

CUSTOMER SERVICE IS OUR GOAL



2024 WHOLESALE CATALOG

*Partnering with you in the
dairy industry.*

888-880-3933

3772 East Newport Road, Gordonville, PA 17529

OPEN: Monday - Friday 7:30am - 4:30pm est

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www.ezmilking.com

Fax: 877-204-7628



Partnering with you in the dairy industry.

PRODUCT DISCLAIMER – 2024

This catalog is a listing of E-Zee's NEW, and some REBUILT, items. NOTICE: The majority of new items are replacements or copies of original products. In most cases they will be identified with the word "replacement." Some rebuilt items use some of our replacement parts. These replacements are not original to the manufacturer and have not been licensed by, recommended by, or endorsed by the manufacturer. All trademarks and service marks are the property of their respective owners.

E-Zee Milking Equipment, LLC is not an authorized dealer or representative for DeLaval®, Conewango®, Universal®, Germania®, Westfalia®, Surge®, IBA®, Bou-Matic®, Thomsen® and Mueller®. *DeLaval®, Universal®, and Germania® are registered trademarks of DeLaval Inc.

** Surge® and Westfalia® are registered trademarks of GE A Westfalia-Surge Inc. ***Bou-Matic® is a registered trademark of Bou-Matic LLC. IBA® is a registered trademark of IBA, Inc. Thomsen® a registered trademark of Thomsen. Mueller® is a registered trademark of Paul Mueller Company.

RETURNED GOODS

All returned items need to have a copy of the invoice, from when the items were originally purchased, and a completed RMA form, [see page 146](#). Items returned **within 2 months** from the invoice date and in new condition, will not have a restocking charge applied. Anything returned from **2-6 months there is a 10%** restocking charge. **6 months - 1 year 20%, over 1 year 50%**. E-Zee will not be responsible for any shipping costs on incorrect orders that were placed **without** our part number.

TERMS

Our terms are net 30 days with approved credit. If you cannot supply us with a good credit history, your order will either have to be sent COD, or paid with a credit card before it is shipped. Credit card fees may apply.

PLEASE NOTE:

Regular orders that are **under \$35.00** are subject to a \$5.00 handling charge. Drop shipped orders that are **under \$50.00** are subject to a \$5.00 handling charge

WARRANTIES

E-Zee's warranty covers all material and workmanship defects at the time of the sale. A 1 year warranty applies to most new products, 18 months on all new circuit boards, from date of sale, and 30 days on used equipment, unless otherwise noted **DISCLAIMER OF WARRANTIES: THE PRODUCTS ARE SOLD WITH NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND NO WARRANTY OF MERCHANTABILITY – THERE ARE NO OTHER WARRANTIES (WHETHER EXPRESS OR IMPLIED) OF ANY KIND** other than E-Zee's obligation to either replace the defective product(s), or issue a full credit for any defective product that is received by E-Zee Milking Equipment, LLC at 3772 East Newport Road, Gordonville, PA 17529 or any of our E-Zee locations, and accompanied by a copy of the original invoice. If any product is not capable of replacement (as E-Zee in its sole discretion may determine), E-Zee will issue a full credit for that product's actual purchase price (not including shipping and handling costs, if any) to the purchasing customer. E-Zee is not responsible for any extra labor charges, that you may incur, on any warranty work. We will not be responsible for any damages, loss, expenses incurred or any other consequential damages, of any kind, that arise from misuse or the inability to use or install any of our products correctly. All products are sold with the understanding that the end user will test these products in actual use and determine the adaptability of their intended use.

ORDERING/SHIPPING/PRICING

We will try to ship all orders the same day we receive them, providing we receive them by 12:00 Noon (EST), or if it requires air shipping, or if you ask us to prioritize an order that is urgent. Any special orders or orders without part numbers may need at least one extra day to process. [See page 145 for our order form.](#)

NOTE: Prices are subject to change without notice.

Watch for the little **blue ovals** that will direct you to an illustration in the back.



And look for our "E-ZEE Milking Logo" throughout the catalog, for the items we are making in-house.

Main Sales Division / Takeoff Division **888-880-3933**
Pump Division – **John Lapp** **888-304-6276**
Circuit Board Repairs – **Omar Esh** **888-768-3928**
Receivers & Stainless Welding – **Dustin Snyder** **800-768-0887**

Complete Flo Star® Claws Vented – Udel

14391	5/8" ID	Standard claw	with valve
14392	5/8" ID	Standard claw	without valve
14393	5/8" ID	Classic claw	with valve
14394	5/8" ID	Classic claw	without valve

Complete Flo Star® Claws Non-Vented – Udel

14395	5/8" ID	Standard claw	with valve
14396	5/8" ID	Standard claw	without valve
14397	5/8" ID	Classic claw	with valve
14398	5/8" ID	Classic claw	without valve

Udel Claw Tops

14429	Standard top, vented
14430	Standard top, non vented
14451	Classic top, vented
14450	Classic top, non vented

Flo Star® Bases

14425	Claw base with valve hole
14426	Claw base without valve hole

Original Flo Star® Claw Parts

04048	Claw top, MAX, non vent , (BM #8512527)
04049	Claw top, MAX, vented , (BM #8512527)

Rubber Parts

14440	Bowl gasket
14431	Top seal for Standard claw
14437	Top seal for Classic claw
14448	Shutoff valve
14445	Shutoff clip
14405	N/S small center seal, with insert
14406	Small o-ring for bumper shaft
14414	Bumper for Classic claw
14415	Bumper for Standard claw

Miscellaneous Claw Parts

14402	Nut, for valve
14449	Valve handle
14403	Washer, for claw valve
14409	Spring, for valve
14410	Stainless top knob
14411	Star lock washer, for top knob
14412	Stainless L hanger
14447	Sleeve
14435	Stainless CIP hanger, L bracket

Illustration pg. 149

Complete Flo Star® Claws Vented – Radel

14381	5/8" ID	Standard claw	with valve
14382	5/8" ID	Standard claw	without valve
14383	5/8" ID	Classic claw	with valve
14384	5/8" ID	Classic claw	without valve

Complete Flo Star® Claws Non-Vented – Radel

14385	5/8" ID	Standard claw	with valve
14386	5/8" ID	Standard claw	without valve
14387	5/8" ID	Classic claw	with valve
14388	5/8" ID	Classic claw	without valve

Radel Claw Tops

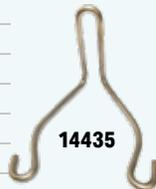
14463	Standard top, vented
14461	Standard top, non vented
14467	Classic top, vented
14465	Classic top, non vented



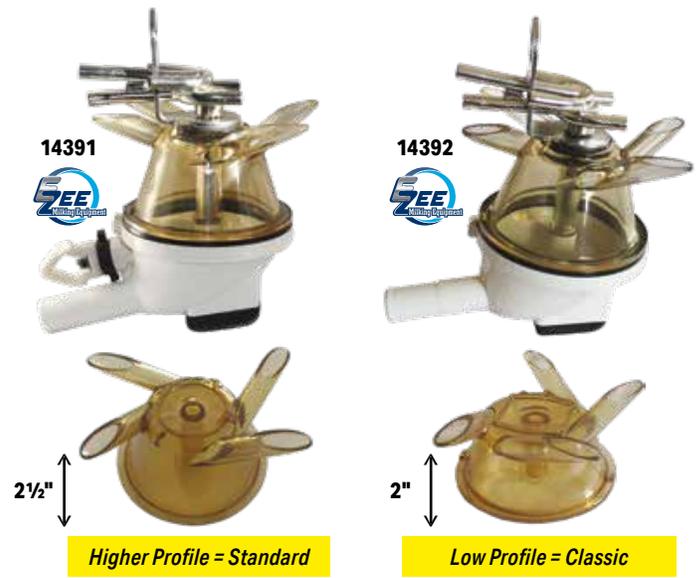
14414



14411



14435



Higher Profile = Standard

Low Profile = Classic

New Style Claw Kits

N/S Kits include rubber seal & Insert
Kits will work for both Classic and the Standard claws

14421 6 Piece N/S claw kit,
for claw without valve and All Flo Star® Max claws

INCLUDES:

- #1 - 14405 - Rubber seal with insert
- #2 - 14440 - Bowl gasket
- #3 - 14431 - Top seal for standard
- #4 - 14437 - Top seal for classic
- #5 - 14406 - Silicone o-ring
- #6 - 14411 - Star washer for hanger



14420 9 Piece N/S claw kit,
for claw with valve

INCLUDES:

- #1 - 14405 - Rubber seal with insert
- #2 - 14440 - Bowl gasket
- #3 - 14431 - Top seal for standard
- #4 - 14437 - Top seal for classic
- #5 - 14406 - Silicone o-ring
- #6 - 14449 - Star washer for hanger
- #7 - 14445 - Shut off clip
- #8 - 14409 - Spring
- #9 - 14448 - Shut off valve



Valve Kit

14443 Valve kit for Flo-Star®

INCLUDES:

- #1 - 14449 - Valve handle
- #2 - 14402 - Nut
- #3 - 14403 - Washer
- #4 - 14409 - Spring
- #5 - 14445 - Shut off clip
- #6 - 14447 - Sleeve for shutoff
- #7 - 14448 - Shut off valve



300cc Claws with Radel Bowl

Illustration pg. 148

Complete Claws vented, **without valves**

	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Stainless Air Chamber</i>
13304	9/32"	x	9/32"	Side to side
13305	9/32"	x	9/32"	Back to front
13306	3/8"	x	1/4"	Back to front
13307	3/8"	x	9/32"	Back to front
13314	1/4"	x	1/4"	Back to front
	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Plastic Air Chamber</i>
13300	9/32"	x	9/32"	Side to side
13312	9/32"	x	9/32"	Back to front



Complete Claws vented, **with valves**

	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Stainless Air Chamber</i>
14326	9/32"	x	9/32"	Side to side
14327	9/32"	x	9/32"	Back to front
14328	3/8"	x	1/4"	Back to front
14329	3/8"	x	9/32"	Back to front
14333	1/4"	x	1/4"	Back to front
	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Plastic Air Chamber</i>
14300	9/32"	x	9/32"	Side to side
14331	9/32"	x	9/32"	Back to front

To order a claw with a non-vented top, just add **-NV** to the part # – for example: **13304-NV**

300e Claws with Radel Bowl

Complete Claws vented, **without valves**

	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Stainless Air Chamber</i>
14201	9/32"	x	9/32"	Side to side
14202	9/32"	x	9/32"	Back to front
14203	3/8"	x	1/4"	Back to front
14204	3/8"	x	9/32"	Back to front
14206	1/4"	x	1/4"	Back to front
	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Plastic Air Chamber</i>
14200	9/32"	x	9/32"	Side to side
14205	9/32"	x	9/32"	Back to front



Complete Claws vented, **with valves**

	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Stainless Air Chamber</i>
14254	9/32"	x	9/32"	Side to side
14259	9/32"	x	9/32"	Back to front
14255	3/8"	x	1/4"	Back to front
14256	3/8"	x	9/32"	Back to front
14258	1/4"	x	1/4"	Back to front
	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Plastic Air Chamber</i>
14253	9/32"	x	9/32"	Side to side
14257	9/32"	x	9/32"	Back to front

To order a claw with a non-vented top, just add **-NV** to the part # – for example: **14201-NV**

Air Chambers, ONLY
For 300cc & 300e

	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Stainless Air Chamber</i>
14320	9/32"	x	9/32"	Side to side
14324	9/32"	x	9/32"	Back to front
14321	3/8"	x	9/32"	Back to front
14323	3/8"	x	1/4"	Back to front
14336	1/4"	x	1/4"	Back to front
14337	9/32"	x	1/4"	Back to front*

*air tubes parallel with milk nipples

	<i>Twin</i>	<i>x</i>	<i>Air</i>	<i>Plastic Air Chamber</i>
14309	9/32"	x	9/32"	Side to side
14335	9/32"	x	9/32"	Back to front



14320



14309

Bowls, ONLY – For 300cc & 300e

13350 Bowl, (Radel), *without valve*

14350 Bowl, (Radel), *with valve*

Bowl Kits – For 300cc & 300e

13360 Kit, *without valve*

INCLUDES: Radel bowl, bowl gasket, small center seal, & rubber bumper

14360 Kit, *with valve*

INCLUDES: Radel bowl, bowl gasket, small center seal, rubber bumper, shutoff valve & shutoff clip

Stainless Top Hanger with Hook

The Kleen Flo® claws are also available with the Surge® style hooks.

To order claws with the hooks use the regular part # plus **#14347**.

Also add \$14 to the cost of the claw.

*If ordering separately order part **14346***



Claw Top Kits – For 300cc



13319

with Plastic Air Chamber – specify size and style needed

13319 Top kit, for claw without valve

14319 Top kit, for claw with valve

with Stainless Air Chamber – specify size and style needed

13320 Top kit, for claw without valve

14349 Top kit, for claw with valve

Claw Top Kits – For 300e



13319-1

with Plastic Air Chamber – specify size and style needed

13319-1 Top kit, for claw without valve

14319-1 Top kit, for claw with valve

with Stainless Air Chamber – specify size and style needed

13320-1 Top kit, for claw without valve

14349-1 Top kit, for claw with valve

Claw Bowl Kits – For 300cc & 300e



13374

with Plastic Air Chamber specify size and style needed

13374 Bowl kit, for claw without valve hole

14372 Bowl kit, for claw with valve hole

with Stainless Air Chamber specify size and style needed

13370 Bowl kit, for claw without valve

14370 Bowl kit, for claw with valve

Rubber Parts Kits – For 300cc & 300e

13325 Kit, for claw without valve

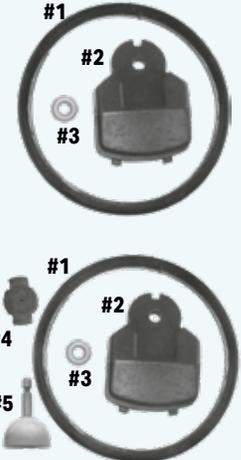
INCLUDES:

- #1 – 14305 Bowl gasket,
- #2 – 14306 Rubber bumper
- #3 – 14307 Small gray center seal

14355 Kit, for claw with valve

INCLUDES:

- #1 – 14305 Bowl gasket,
- #2 – 14306 Rubber bumper
- #3 – 14307 Small gray center seal
- #4 – 14302 Shutoff clip
- #5 – 14351 Gray shutoff



Miscellaneous Parts For 300cc & 300e

14315 Stainless top vented, for 300cc

14340 Stainless top non vented, for 300cc

14316 Stainless top vented, for 300E

14314 Stainless top non vented, for 300E

14346 Stainless top hanger, with hook, for 300cc

14312 Stainless top bracket, with loop, for 300cc

14317 Stainless top nut (replaces plastic one)

14313 Black plastic nut

14304 Bolt holder, for shut off

13308 Bolt, for claw without valve

14308 Bolt, for claw with valve

14318 Stainless flat tab, for bolt holder

14302 Shut off clip

14306 Rubber bumper

14307 Small gray center gasket

14325 Stainless top bracket w/o loop, shorter profile, for 300cc

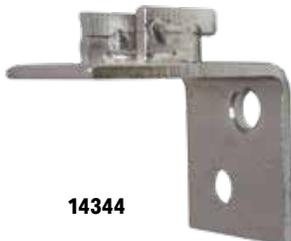
14352 Black rubber shut off valve

14351 Gray shut off valve

14322 Light weight claw hanger, for 300cc

14343 Lock washer, for 300cc claw

14344 Stainless CIP bracket



14344



14313



14312



14325



Super Lite Claws

- 10876** Complete claw with valve & with 10895 bowl
- 10875** Complete claw without valve & with 10894 bowl
- 10887** Claw top kit – less bowl (air chamber, gaskets, hanger and screws)

Parts For Original Super & Super Lite Claws

- 10873** Bowl gasket, for original Super claw
- 10881** Bumper, for Super claw
- 10884** Air chamber, for Super Lite claw
- 10899** Gasket, for Super Lite air chamber
- 10885** Top stainless hanger with loop, for Super Lite
- 10883** Screw, for Super Lite claw top
- 10882** Clear plastic vent, for Super claw (larger vent)
- 10864** Shutoff clip
- 10862** White shutoff
- 23105** Rubber Y, to convert to single pulsation
- 23106** Plastic insert, for rubber Y

Super Bowl, ONLY

- 10894** Super bowl, without valve hole
- 10895** Super bowl, with valve hole (interchanges with the white shutoff)

Super Bowl Kit

- 10896** Kit, without valve hole (Bowl, gasket and bumper)
- 10897** Kit with valve hole (Bowl, gasket, bumper & shutoff) (interchanges with the white shutoff)

Parts for E-Zee's Super Claw Only

These parts DO NOT interchange with the original

- 10878** Complete Super bowl kit
- 10890** Super bowl, only, with valve hole
- 10891** Thicker gasket with lip
- 10861** Shutoff

Complete Alternating Flow-View Style Claws

- 10867** Flow-View claw, with **10860** bowl

Replacement and Original Parts For Flow-View Claws

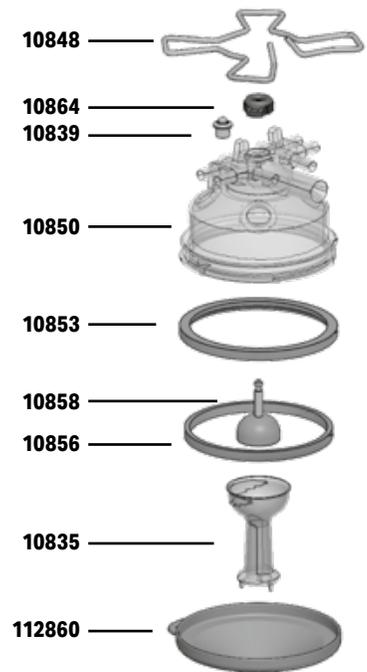
- 10869** Stainless top, only
- 10863** Complete Flow-View bowl kit, 180cc (bowl gasket, bumper, shutoff and shutoff clip)
- 10860** Bowl only, for DL style Flow-View claw, 180cc
- 10865** Bowl gasket, for replacement Flow-View bowl, only
- 10871** Bowl, with bumper
- 10866** Bowl gasket, for Original bowl
- 10861** Shutoff, for Flow-View bowl, not for original claw
- 10864** Shut off clip
- 10870** Bumper, for Flow-View claw, not for original claw
- 10888** White vent, for original O/S, (smaller vent)

Replacement Parts for New Style Harmony®

- 10840** Complete New Style Claw, with valve and used base
- 10845** Complete claw kit, (top, liner support, gaskets, shutoff, shutoff clip and vent)
- 10850** Replacement tops
- 10825** Top, with valve hole plugged (Not Pictured)
- 10828** Kit, without valve hole, (support, both gaskets, and top)
- 10864** Shutoff clip
- 10856** Inner gasket
- 10853** Outer gasket
- 10848** Liner support
- 10839** Vent (w/ plastic bubble – can interchange w/OS)
- 10858** Shutoff for bowl
- 10835** Center milk tube
- 112860** Used original stainless base
- 10851** Takeoff loop (Not Pictured)
- 10829** Plug, to convert claw with shutoff hole to without hole (Not Pictured)

Replacement Parts for Old Style Harmony®

- 10857** Thick shutoff clip
- 10854** Outer gasket for bowl
- 112855** **USED** liner support
- 10837** Vent (w/flat round plate w/hole)
- 10852** Side clip



Tidal-Flo®



- 64579** Complete claw, die cast base & T-F style top, with black manifold
- 64575** Complete claw *without tee*, die cast base and T-F style top, with clear spacer (requires a loose air tee – not shown)



Replacement Parts



- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 64580 Bowl, vented 64581 Bowl, non vented 64585 Gasket 64572 Top stainless plate with loop, countersunk holes 64556 Top loop screw with flat head, v shaped 64583 Top spacer, for claw bowl | <ul style="list-style-type: none"> 64564 Small side spacer for claw bowl (use 2 per claw) 64551 Side bolt 64552 Lock nut 64563 Knurled nut 64582 Stainless die cast bottom, only 64584 Black manifold |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

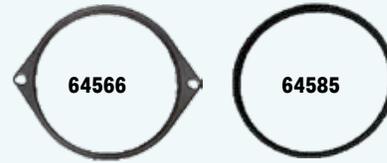
Full-View®

Also called Sta Rite

64590



For Parlor or Herringbone Systems



- 64590** Old style bowl, vented
- 64591** New style bowl, non-vented
- 64592** New style bowl, vented
- 64585** Gasket
- 64566** Gasket for light Universal® claw
- 64563** Knurled nut
- 64582** Stainless die cast bottom, only

64592



- Back nipples are closer
- Less squawking
- Less slippage

Replacement Parts for Germania® and California Claws

- 10041** Lathe cut window
- 10042** Molded window
- 10044** White gaskets
- 10046** Window clips
- 10048** White plugs, for Germania®, 5/8"
- 10049** White plugs, for Germania®, 3/4"
- 10052** Stainless CIP U-hook, to weld onto GM style claw 1" x 1 1/8" ID

SEE PAGE 8 for our full line of air tees, including the wider 3/4" version.



10042

Replacement Claw Parts for BouMatic® and/or IBA®

- 10021** Window, for BM or IBA®
- 10023** Gray window gasket, for BM or IBA®
- 10031** Rubber pad, for bottom unload BM style claws (Currently only available for standard/herringbone body claws)
- 21917** O-Ring for ss shutoff on 10495 claw
- 21919** Tab gasket for ss shutoff on 10495 claw
- 21912** O-ring, for valve on 5/8" BM barrel claw (2 needed)
- 10034** Tab gasket, for valve on 5/16" BM barrel claw (1 needed)
- 10027** Window clip, for BM or IBA®
- 10028** White top plug, for 5/8" BM or IBA®
- 10049** White top plug, for 3/4" BM or IBA®

Replacement Parts For Westfalia® Barrel Claws

- 10062** Window
- 10064** Window gasket
- 10058** Bumper, for standard claw with smooth sides
- 10059** Bumper, for back flush with grooves to hold glass
- 10055** Stainless valve (replaces the plastic)
- 10056** O-ring, for stainless or plastic valve

Replacement Parts For Beco® Claws

- 10066** Window
- 10068** Window gasket

- 10019** Window removal tool for barrel claw

Bottom Unload Claws



11470

Back to front
for Surge® barbed, as pictured

11472

Air tee for oval claw, 5/8" x 3/32" smooth,
(not pictured)



11483

3/32" single tee



11480

3/32" side to side tee



11445

3/32" for BM Flo-Star®
Classic Claw (flared)



11440

1/4" back to front tee

11420

3/32" back to front tee

Top Unload Claws



11460 1/4" back to front tee, standard for GM

10340 3/32" back to front tee, standard for GM

10160 1/4" back to front tee, for IBA®, shorter width

10170 3/32" back to front tee, for IBA®, shorter width



11487 1/4" x 3/8" for Surge®

11488 1/4" x 3/8" for Surge®, with extended
tube for parallel style claws



10350 3/32" side to side standard version

10353 3/32" side to side for 3/4" claw, wider version

10140 1/4" side to side for IBA® shorter version

10150 3/32" side to side for IBA® shorter version

Replacement Parts for Surge® Claws

10442 Window for Oval and Eclipse ~ Molded style

10449 Black window gasket for Oval claw (standard size)

10441 White window gasket for Oval claw (thicker than original)

10447 Flat window clip for Oval claw

10448 CIP hook for Eclipse claw

64601 Repair kit for valve (see Orbit® below)

Replacement Claw Parts For Orbit®

64587 Top only, with nuts

64588 Complete kit (Includes: top, nuts, screws, gasket, and the rubber grommet)

64589 Gasket

64605 Rubber grommet for top

64603 Tabbed o-ring for shutoff

64604 Silicone o-ring for valve

64601 Repair kit for valve (Includes: 1-64603 and 2-64604)

64610 Insert nut for top

64612 Screw for top



Inserts are already included in our tops.



10001NP Standard claw, *without valve*

Original one-line system milker uses a milk hose and no pulsation hose. The unique vacuum balancing claw equalizes vacuum on both sides of the liner to ensure stress free healthy milking.



10019NP Repair Kit for standard claw

10067NP MLX claw, *without valve*

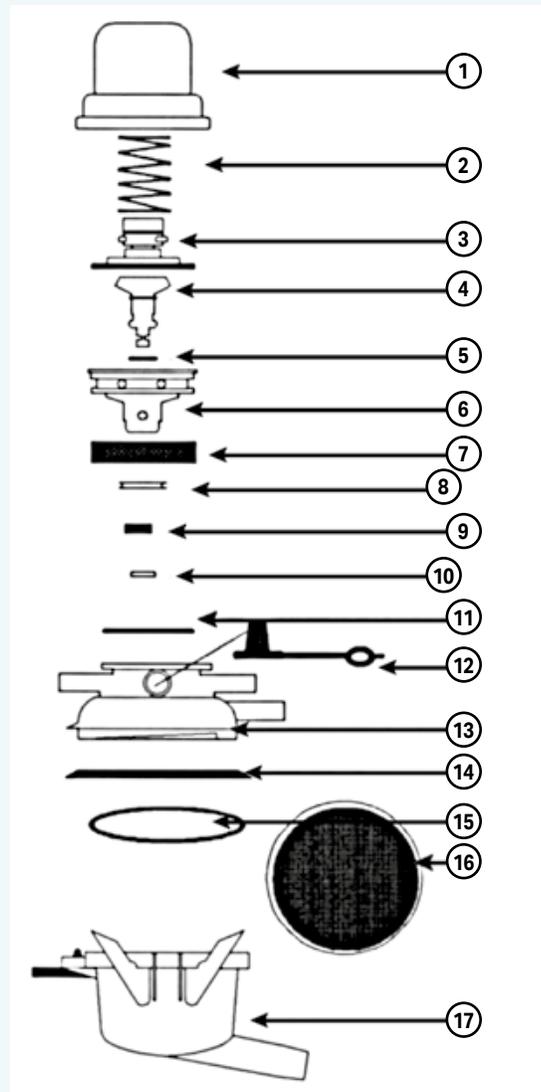
MLX (multiple line system) uses both a milk hose and pulsation hose. A solid rubber diaphragm separates the middle and base where an air bleed hole is located on the side under the claw hook.



10107NP Repair Kit for MLX Claw

*Standard claws consist of one milk line with NO vent.
MLX claws consist of two lines and have a bleed hole vent.*

- | | | | |
|----|------------------|--------------------------|-------------------------|
| 1 | MZ10006NP | Dome | |
| 2 | MZ10007NP | Pulsator spring | |
| 3 | MZ10005NP | Diaphragm complete | |
| 4 | MZ10022NP | Bobbin only | |
| 5 | MZ10009NP | Bobbin o-ring | |
| 6 | MZ10010NP | Bobbin housing | |
| 7 | MZ10028NP | Air filter | |
| 8 | MZ10015NP | Bobbin housing seal | |
| 9 | MZ10011NP | Bobbin valve | |
| 10 | MZ10012NP | Bobbin clip | |
| | 10008NP | Pulsator bobbin complete | Includes: #4-#10 |
| 11 | MZ10014NP | Middle o-ring | |
| 12 | MZ10002NP | Wash plug with Strap | |
| | | | |
| 13 | MZ10016NP | Standard middle | |
| 13 | MZ10068NP | MLX middle shown | |
| 14 | MZ10030NP | Claw protector seal | |
| 15 | MZ10017NP | Square base o-ring | |
| 16 | MZ10069NP | MLX Diaphragm | |
| | | | |
| 17 | MZ10013NP | Standard claw base | |
| 17 | MZ10070NP | MLX standard bowl | |





The FulFlo claws are much like our original claw but are smokey blue/gray in color and have a deeper base with 3/4" milk outlets.

Standard claws consist of one milk line with NO vent.
MLX claws consist of two lines and have a bleed hole vent.

- 12000NP** Standard claw *without valve*

- 12100NP** Standard claw *with valve*

- 12300NP** Standard claw *with ShutOff for Parallel Parlor*

- 12500NP** MLX claw *with valve*



12500NP

- 1 **MZ10006NP** Dome

- 2 **MZ10007NP** Pulsator spring

- 3 **MZ10005NP** Diaphragm complete

- 4 **MZ10022NP** Bobbin *only*

- 5 **MZ10009NP** Bobbin o-ring

- 6 **MZ10010NP** Bobbin housing

- 7 **MZ10028NP** Air filter

- 8 **MZ10015NP** Bobbin housing seal

- 9 **MZ10011NP** Bobbin valve

- 10 **MZ10012NP** Bobbin clip

- 11 **MZ10014NP** Middle o-ring

- 12 **MZ10002NP** Wash plug *with Strap*

- 13 **MZ12005NP** Standard middle

- 13 **MZ12405NP** MLX middle (shown)

- 14 **MZ10030NP** Claw protector seal

- 15 **MZ10017NP** Square base o-ring

- 16 **MZ10069NP** MLX diaphragm

- 17 **MZ12010NP** Standard bowl

- 17 **MZ12110NP** Standard bowl *with Shutoff (shown)*

- 17 **MZ12210NP** Parallel bowl

- 17 **MZ12310NP** Parallel bowl *with Shutoff*

- 17 **MZ12410NP** MLX bowl

- 17 **MZ12510NP** MLX bowl *with Shutoff*

- 17 **MZ12610NP** MLX parallel bowl

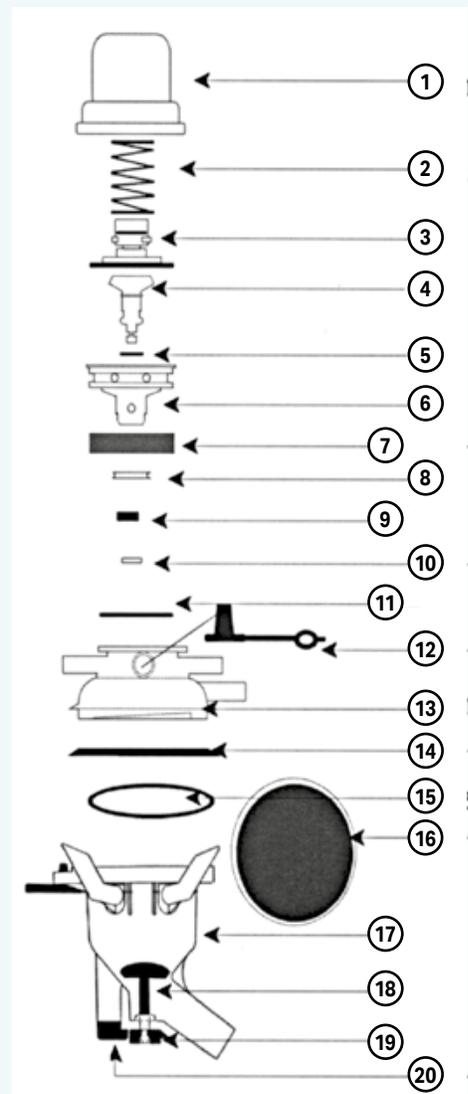
- 17 **MZ12710NP** MLX parallel bowl *with Shutoff*

- 18 **MZ12016NP** Shutoff valve

- 19 **MZ12017NP** Shutoff button

- 20 **MZ12015NP** Rubber foot

- MZ10031NP** Rubber hook



Replacement Shells



10010

- 10010** Rolled edge 06 style
- 10013** for WF
- 10009** for BM
- 10015** Surge® "C" style
- 64533** Plastic shell
- 64529** Stainless weight for plastic shell
- 10017** Jet-Flo shell
- MZ10047NP** Light – 7.9 oz
- MZ20705NP** Heavy – 10.9 oz

Replacement Air Tubes



25150



25155

- 25150** 9" x 3/32" ID fits DL
- 25151** 7 1/2" x 3/32" ID fits DL
- 25153** 8" x 3/16" ID fits Surge®
- 25154** 7 1/2" x 1/4" ID fits BM
- 25155** 9" x 3/32" Clear air tube

Easy Inflation Changers

- 61799** Air Operated for larger dairies
- 61776** Inline exhaust valve
- 61780** 1 1/2" x 5 Spring return cylinder
- 61782** 1 1/16" x 1 Spring return cylinder
- 61783** 1 1/2" x 1 Spring return cylinder
- 61786** 3 Way foot switch
- 61791** 2" x 2" Clamp A, 1" black UHMW
- 61792** 1 1/2" x 2" Clamp B, 1" black UHMW

Significantly speeds up and simplifies inflation changing and therefore a big labor saver. Proven track record – over 60,000 inflations pulled on prototype over a 2 year period.



61799

Sold as sets of 4 ~ Case = 25 sets

Conewango®

25076 ID-T1

Compatible with:
Milk Rite TLC-D1

25077 ID-T1-V – vented
Compatible with:
Milk Rite TLC-D1-V

- **Narrow Bore**
- **Gentle Massage**

Phthalate Free



1,200 MILKINGS For 06 Shell

25072 ID-01A

Compatible with:
Milk Rite 01BU
Kleen Flo® 01

- **Narrow Bore**
- **Lower Vacuum**

Phthalate Free

Compatible with Milk Rite®

Conewango®

25073 ID-08E

Compatible with:
Milk Rite 01AU
Milk Rite 01AU-LT
Milk Rite 08EU-LT

- **Medium/ Narrow Bore**
- **Lower Vacuum**

Phthalate Free

For SS BM Shell

25086 IB-LB

Compatible with:
Milk Rite BM 400M

Conewango®

25087 IB-LB-V – vented

Compatible with:
Milk Rite BM 400M-V

Phthalate Free

25003 01

Compatible with:
DL 01, DL 01M, DL WC-01, Conewango ID-01D



MZ10522NP

Red plastic
inflation plug

18101 Plastic inflation plug

Other Inflations

Genuine NuPulse® Long Life Inflations

3000 MILKINGS

MZ10055NP FulFlo Super – designed to fit larger 3/16" OD milk inlet of the FulFlo bowl

MZ10058NP FulFlo Short Inflations – Same as MZ10055NP but stem is 3/4" shorter than the other NP liners

MZ10057NP NuPulse Super Inflations – fits bowls with milk inlets 1/2" OD

MZ10050NP Smith 16 Inflations – Small Bore – Designed to fit milk inlets 7/16" OD – Also for NP goat claws

Conewango®

25081 IS-S3

Compatible with:
25054, TLC-2000, IBA Pro Square-S, IBA ProSquare-SPX

25082 IS-S3 Vented

Compatible with:
25054, TLC-2000, IBA Pro Square-S, IBA ProSquare-SPX

25083 IS-S4

Compatible with:
25055, TLC-SB2000, IBA Pro Square-B, IBA ProSquare-BPX

25084 IS-S4 Vented

Compatible with:
TLC-SB2000, IBA Pro Square-B, IBA ProSquare-BPX



NOTE: We Have Special Pricing on Rolls of Tubing
 When ordering please specify if you want by the "roll" or by the "foot" quantity
 (foot price is 20% more)

Clear Plastic (Blue Tinted) Glitex Tubing – Phthalate Free

For Milk and Vacuum Lines

Part #	ID	Type	Available In
25230	9/32"	single	100' roll
25229	3/8"	single	100' roll
25232	1/2"	single	100' roll and 500' reel
25234	9/16"	single	100' roll and 500' reel
25235	5/8"	single	100' roll and 500' reel
25236	3/4"	single	100' roll and 400' reel
25239	7/8"	single	50' roll and 300' reel
25237	1"	single	50' roll
25238	1 1/2"	single	50' roll
25241	2"	single	50' roll
25226	1/4"	twin	100' roll
25227	9/32"	twin	100' roll and 500' reel
25228	3/8"	twin	100' roll



Pre-Cut Tubing

25143	37" x 9/32"	Rubber twin pulsation hose
25141	6' x 1/2"	Rubber vacuum hose
25147	32" x 9/16"	Clear milk hose
25145	32" x 5/8"	Clear milk hose
25144	32" x 3/4"	Clear milk hose
25149	32" x 5/8"	Rubber milk hose
25148	32" x 5/8"	Silicone milk hose
25146	32" x 3/4"	Silicone milk hose

Miscellaneous Tubing

20161 3/16" Plastic tubing –
 3/16" ID x 9/16" OD x 1/16" Wall –
 sold by the foot

Rubber Blue Stripe – Phthalate Free

For Milk and Vacuum Lines

Part #	D	Type	Wall
25123	1/4"	single	
25112	1/2"	single	1 3/64
25114	9/16"	single	7/32
25115	5/8"	single	7/32
25117	3/4"	single	1/4
25118	7/8"	single	1/4
25121	9/32"	single	
25120	9/32"	twin	



Replacement Milk Tubes



25180	MT-80	5 1/2"	fits BIO®
25190	MT-90	7"	fits BIO®
25183	1020U	5 1/4"	fits BM
25187	04TS	5"	fits WF

Blue Silicone Tubing



25104	5/8" Blue Silicone tubing – 5MM sidewall – 100' roll
25104-1	5/8" Blue Silicone tubing – HD 6MM sidewall – 100' roll
25108	3/4" Blue Silicone tubing – 6MM sidewall
25108-1	3/4" Blue Silicone tubing – HD 7MM sidewall

Silicone Tubing



25102	7/16" – 5MM sidewall – 100' roll
25105	5/8" – 5MM sidewall – 100' roll
25105-1	5/8" – HD 6MM sidewall – 100' roll
25106	3/4" – 6MM sidewall – 100' roll
25106-1	3/4" – HD 7MM sidewall – 100' roll
25107	7/8" – 6MM sidewall – 100' roll

Kleen Flo® Ultra Tubing



25124-1	Kleen Flo® Ultra tubing – 5/8" ID X 1" OD – 65' roll
25125-1	Kleen Flo® Ultra tubing – 3/4" ID X 1.25" OD – 65' roll

NOTE: Has black lining instead of white

Hose Reinforcement Springs

DOES NOT FIT RUBBER OR ULTRACLEAN TUBING



- 17574** Hose Reinforcement Spring for 5/8" tubing
- 17575** Hose Reinforcement Spring for 3/4" tubing

Stainless Nipples for Milk Hose



Custom Sizes Are Available

- 99890** 2 1/2" x 5/8" id - 3/4" od
- 99892** 2" x 3/4" id - 7/8" od
- 54630** 4" x 5/8" id - 3/4" od
- 54631** 4" x 3/4" id - 7/8" od
- 54632** 4" x 7/8" id - 1" od



Squeeze Clamps

- 21904** Stainless for 1/16" hose
- 21905** Stainless for 5/8" hose
- 21906** Stainless for 3/4" hose
- 21900** Black Plastic for 5/8" and 3/4" hose



5/8" Plastic Shutoff

- 21910** Plastic shutoff, *non vented*
- 21903** Plastic shutoff, *vented*
- 21907** Tab gasket
- 21908** O-ring

3/4" Plastic Shutoff

- 21925** Plastic shutoff, *non vented*
- 21928** Plastic shutoff, *vented*
- 21912** Bottom o-ring
- 21917** Top o-ring

Stainless Shutoff Parts

- 21919** Tab gasket, for 5/8" shutoff
- 21917** O-ring, for 5/8" shutoff
- 21915** Tab gasket, for 3/4" shutoff
- 21909** O-ring, for 3/4" shutoff

Hose Clips and Rings



D255657NP
Triple hose clip



D255658NP
Double hose clip



17570
1 3/8" ID Rubber Hose Ring,
for 3/4" tubing



17572
Blue Silicone Hose Ring,
for 5/8" tubing



17573
Green Silicone Hose Ring,
for 3/4" tubing

Replacement Westfalia® Stallcock and Parts



- 23865** Auto stallcock assembly
- 23866** Stainless ball
- 23867** Cap, for auto stallcock
- 23868** Housing
- 23871** Sealing grommet, for auto stallcock connector
- 23860** Connector assembly, with clip and gasket
- 23861** Rubber washer
- 23862** Clip
- 23863** Tube
- 23864** Plastic bushing, for WF clip on stallcock, connection for 1/2" hose
- 23869** Auto stallcock complete, with original new style connection
- 23832** Wire cover
- 05529** Electrical kit to add to stallcock (7051-3200-030 WF)

Replacement Surge® Stallcock Parts



- 23929** Stallcock kit, (3 screws)
- 23928** Red tipped banana plug
- 23935** Hex socket for installing banana plug
- 23942** 2" pad for stallcock
- 43412** Rubber cap
- 43413** Ball for square stallcock
- 43415** Ball for round stallcock

Replacement Delaval® Stallcocks and Parts

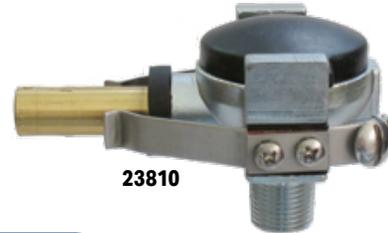


Illustration pg. 150

- 23808** Stallcock, without clips
- 23809** Single stallcock
- 23810** Alternating stallcock
- 23880** Rubber ball
- 23882** Stainless insert
- 23885** Rubber cap
- 23887** Electrical insulator
- 23888** Plastic plate
- 23892** Stainless plate
- 23893** Stainless contact arm (aka spring, side clip)
- 23895** Large screw
- 23896** Square nut
- 23897** Flat washer
- 23898** Small side screw, with tooth washer
- 23899** Ground screw
- 23875** Front seal
- 21922** Plastic hose ferrule
- 21921** Brass hose ferrule

Replacement Heavy Duty BouMatic® Stallcocks and Parts



- 43260** Thread on heavy-duty stallcock *Illustration on pg. 150*
- 43260-1** Thread on heavy-duty stallcock, **NEW IMPROVED**
- 43238** Rubber cap
- 18067** Inside seal
- 43236** Stallcock kit, for BM
- 43236-1** Stallcock kit, for BM **NEW IMPROVED**
- 43239** Ball
- 43237** Gasket, for bottom of clamp on stallcock
- 43268** Replacement 2" & 3" clamp on stallcock for BM; With New Improved kit

Lever Stallcocks

- 23855** Straight 3/8" stallcock (turns 9:00 to 6:00)
- 23856** Straight 1/2" stallcock (turns 3:00 to 6:00)
- 23857** Angle 1/2" stallcock (turns 9:00 to 6:00)



Turning positions are figured as the thread in part at 12:00

Illustration pg. 154

23031
Complete adaptor
for D#95 to DL bucket lid



- 23032** O-ring for adaptor
- 23027** Check valve for adaptor
- 23028** Chamber gasket for adaptor
- 23056** Adaptor housing, only, (no parts)
- 23029** Rubber top grommet for lid adaptor
- 23040** Plastic top slide for lid adaptor



23036
Adaptor
for D#95 to DL
stallcock



23041
Adaptor
for D#95 to Surge®
square nipple stallcock

23043
Adaptor
for D#95 to Surge®
round nipple stallcock



23051
Adaptor
for D#95 to BM stallcock

23038
Adaptor with white plastic sleeve
for D#95 to parlor (permanent mount)

23037
Plastic sleeve
only



23039
Adaptor
only



23022
Adaptor
for D#95 to WF style lid



23054
Adaptor
for D#95 to Surge® bucket lid



23046
Adaptor
for D#95 to
UN stallcock



23039
Adaptor only
for D#95 to parlor adaptor



23016 Adaptor for D#95 to BM style lid

23059
Top rubber grommet

- 23015** Check valve
- 23017** Bottom gasket
- 23018** Top grommet

Replacement Adaptor and Parts for HP® Pulsators to DL Lids



- 23025** Complete chamber
for HP to DL lid, with check valve
- 23030** Chamber only
- 23028** Chamber gasket
- 23023** Check valve

Illustration pg. 154

Replacement Parts for DV 300



- 23033** Adaptor
for D#95 to DV300
- 23034** O-ring
for DV300 adaptor
- 23035** Rubber grommet

- 98695** Sensor jar, (Radel)
- 98693** 5/8" vertical sensor lid
- 20165** Shutoff diaphragm, for sensor top
- 20164** Gasket, for sensor top
- 20152** O-ring rebuild kit
- 20161** 3/4" tubing, for DV300 sensor
- 119842** USED bellow
- 119843** USED filter
- 03290** Diaphragm, inside (95868901 DL)
- 20170** Stainless handle for DV300 –
replaces plastic one
- 20173** Stainless bracket
for bucket mount DV300



20170



98695

D#95 Pulsators and Parts

(parts interchange with LL90')



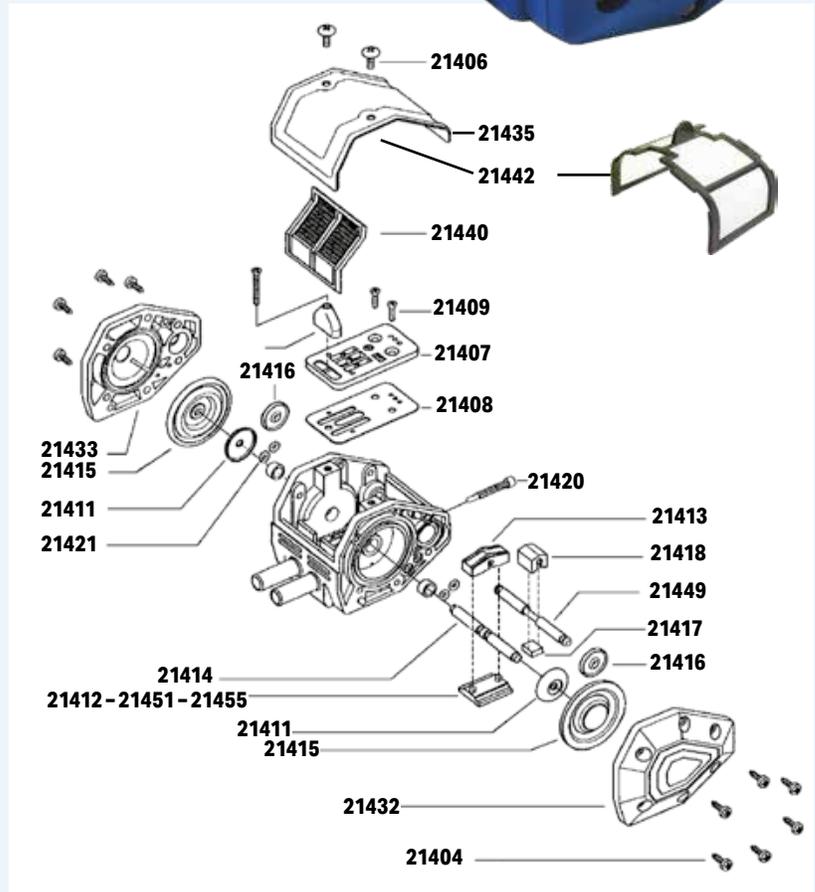
D#95 Pulsators

- 20360 60:40 Pulsator
- 20365 65:35 Pulsator
- 20370 70:30 Pulsator
- 20372 50:50 Pulsator 90 ppm for goats

Parts for D#95

- 21412 60:40 slide, only
- 21455 65:35 slide, only
- 21451 70:30 slide, only
- 21452 50:50 slide, only

- 21453 White felt filter, for D#95 (pack of 12)
- 21457 White felt filter, for D#95 (1 piece)
- 21442 New style D#95 filter holder
- 23102 White silicone plug, for single pulsation
- 21404 Side cover screw
- 21406 Top cover screw
- 21407 Base plate
- 21408 Gasket, for base plate
- 21411 Plastic plate, for diaphragm
- 21413 Slide holder, for large slide
- 21415 Large diaphragm
- 21416 Small diaphragm
- 21417 Small pilot slide
- 21418 Slide holder, for small pilot slide
- 21420 Speed screw
- 21421 Small side o-ring
- 21432 Side cover, left side
- 21433 Side cover, right side
- 21435 Top cover
- 21440 Plastic filter holder
- 21449 Shaft, for small pilot slide
- 21450 D#95 Allen wrench, for speed control



PULSATION

Complete Rebuild Kits for D#95

- 20661 60:40 kit
- 20662 65:35 kit
- 20663 70:30 kit
- 20664 50:50 kit

INCLUDES:

- 21415 - Large diaphragm
- 21416 - Small diaphragm
- 21421 - Small slide o-ring
- 21408 - Gasket for base plate
- 21413 - Large slide holder
- 21418 - Small slide holder
- 21417 - Small pilot slide
- 21457 - White felt filter

And either a:

- 21412 - 60:40 ratio slide
- 21455 - 65:35 ratio slide
- 21451 - 70:30 ratio slide

or

- 21452 - 50:50 ratio slide



- 20660 Diaphragm kits for ITP®, D#95 and BRK®
- INCLUDES:**
- 21415 Large diaphragms
- 21416 Small diaphragms
- 21421 Small slide o-rings



Rubber Parts for HP®100 or 102

20142	Diaphragm
20149	Plate gasket
20149-1	Plate gasket, <i>thin</i>
98669	Small inner seal

Illustration pg. 151

Changeover Arm Parts

20155	Complete changeover arm for HP®102
20153	Changeover arm spring for HP®102
20157	Changeover arm spring for HP®100
20156	Button for HP® 100 & 102 changeover arm
20143	Hairpin clip for HP® 100 & 102 changeover arm
20151	Bushing for HP® 100 & 102 changeover

Changeover Slide Holder Parts

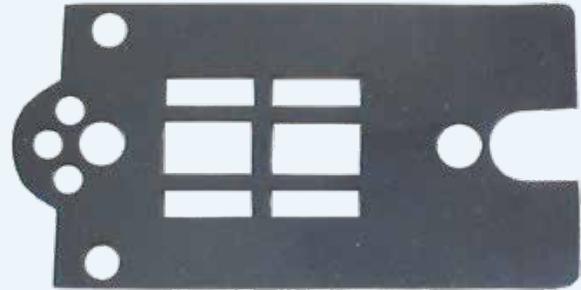
20159	New style changeover slide for HP® 102
20148	Short pin for HP® 102 changeover slide holder
20162	Brass bushing for HP® 102 changeover slide holder
20147	Changeover slide for HP® 100 & 102
20144	Long pin for HP® 100 & 102 changeover slide holder
20163	HP102 changeover slide holder

Miscellaneous Parts

20141	HP® pulsator nipple, for HP®100 or 102
20146	Brass body bushing, for HP®100 or 102
20145	E-clip, for HP®100 or 102
20154	Pulsator oil, for HP®100 or 102
20167	Shaft, for HP102
20168	Pulsator bridge, for HP102
20169	Stainless cover, for HP®102



20142



20149

PULSATION

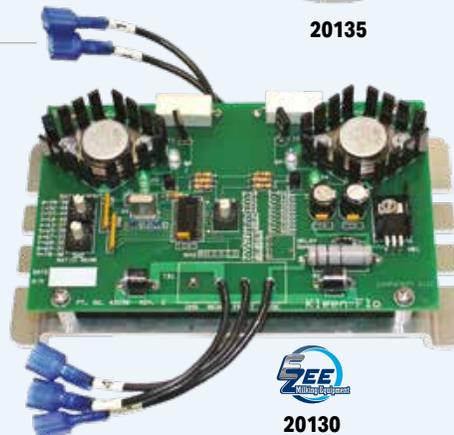
Replacement Magnetic Parts

20130	Magnetic pulsator board, 16VDC output
20137	Fly guard
20139	Piston cap
33017	Deflector
20133	Spring
20135	Magnet for DL single shot
20134	Insulating plate
117601	Rebuilt magnetic pipeline pulsator with NEW 20135 magnet
117661	Rebuilt magnetic bucket pulsator with NEW 20135 magnet

Illustration pg. 153



20135

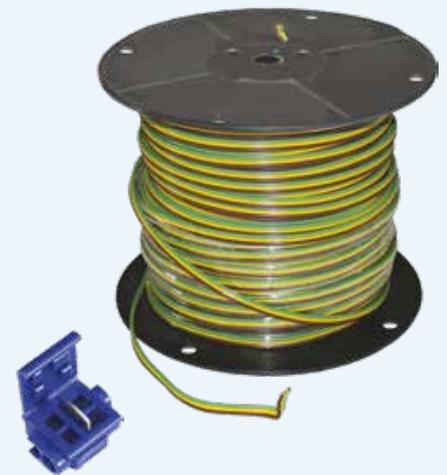


20130

With Short Circuit Protection!

Pulsation Wire

43560	12 Gauge wire, single 12/1, <i>green</i>
43563	14 Gauge wire, single 14/1, <i>green</i>
43564	14 Gauge wire, double 14/2, <i>black & red</i>
43565	14 Gauge wire, triple 14/3, <i>brown, yellow & green</i>
43570	Moisture-resistant splicer for pulsation wire



43570

SOLD BY THE FOOT AND REEL (500')

Available Ratios:

**50:50, 60:40, 61:39, 62:38, 63:37, 64:36,
65:35, 66:34, 67:33, & 70:30**

**16 adjustable position speeds from
60 to 190 PPM Runs 10 Pulsators**

Delatron® Pulsators

Illustrations pg. 152

(SC) Stallcock/Stanchion, can be moved from stall to stall ~ (B) Bayonet/Parlor, for permanent mount



SC BOARD STYLE



43361

- 43361 60:40 200SC, 12V AC/DC pulsator
- 43366 65:35 200SC, 12V AC/DC pulsator
- 43371 70:30 200SC, 12V AC/DC pulsator



B BOARD STYLE



43363

- 43363 60:40 200B, 12V AC/DC pulsator
- 43368 65:35 200B, 12V AC/DC pulsator
- 43373 70:30 200B, 12V AC/DC pulsator



USES MASTER CONTROLLER



43350

- 43350 100B pulsator, 12VDC
- 43352 100B pulsator, 24VDC
- 43355 100SC pulsator, 12VDC

Replacement 12V AC/DC Circuit Boards

- 43360 60:40, with cover
- 43364 60:40, without cover
- 43365 65:35, with cover
- 43369 65:35, without cover
- 43370 70:30, with cover
- 43374 70:30, without cover
- 43375 Quick connect, with cover – fits all ratios
- 43380 50:50, with cover, for goats, 12VDC 90PPM

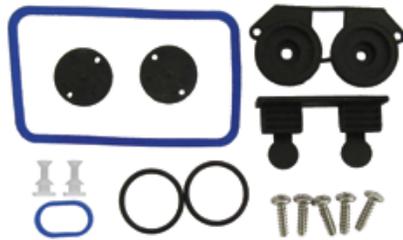


43375



43360

Wires soldered directly to circuit board for improved performance.



98961 15 piece repair kit, for new style Delatron

98968 Replacement 2 piece rebuild kit, for N/S Delatron

Repair Kits



98960 12 pc Repair Kit, for "new style" Delatron®

INCLUDES:

- 98946 – top rubber diaphragm for N/S
- 98941 – white axles
- 98947 – bottom stopper with flappers
- 98971 – base plate screws
- 98974 – coil o-rings
- 98976 – base mount o-ring



98965 Repair Kit, for "old style" Delatron®

INCLUDES:

- 98943 – top rubber diaphragm for O/S
- 98941 – white axles
- 98947 – bottom stopper with flappers
- 98971 – base plate screws
- 98974 – coil o-rings
- 98976 – base mount o-ring

Delatron® Cover Kit and Parts

- 98950 Cover kit
- 98950-1 Cover, only
- 98950-2 Cover, for Delatron 200SC
- 98955 Rubber boot, with stainless screw for 98950 cover
- 98951 Blue cover gasket
- 98952 Fresh air nipple, only
- 98953 Fresh air screen, only
- 98954 Blank plug, replaces screen
- 98949 Grommet, for wiring harness
- 98948 Screw, for cover
- 98978 Top plug



98955

Reinforces the top cover of the pulsator, therefore preventing or maybe even eliminating breakage.

Does not work with Original New Style Delatrons



98950

- 43341** Replace/Master pulsation controller, 12VDC
- 43342** Master pulsation board, 12VDC
- 43343** Transformer, 12VDC for Master controller
- 43345** Transformer, 24VDC for Master controller
- 43346** Replace/Master pulsation controller, 24VDC
- 43347** Master pulsation board, 24VDC
- 99972** Box with clear lid, for pulsation controller
- 43335** Connector plug for Delatron Master controller 3 position, green, fits new style board
- 43338** Replacement dip switch for control box
(For old style board with orange terminal blocks, 60:40 and 70:30 and for new style board with green terminal blocks, 60:40, 65:35 and 70:30)
- 43337** 30V Capacitor, 30000UF, for 43341 & 43346
- 43336** Capacitor mounting clamp
- 99718** Acme® transformer, with 30 amp breaker switch, 500 watts, 12 volt – DC or AC
- 43393** 5 Amp Breaker, for 43341 & 43346 controller
- 43394** 15 Amp Breaker, for older style 43341 & 43346 controller
- 43340** Power Supply, for 12VDC AC-DC; 12V; 10A; 88-132/176-264VAC In
- 43344** Power Supply, for 24VDC AC-DC; 24V; 5A; 88-132/176-264VAC In



- Greatly improved regulated power supply
- Simpler wiring: input can be switched via the voltage selector switch
- Voltage to stallcocks or pulsators is regulated
- Output voltage is adjustable for higher longer wire runs
- New power supplies can be purchased individually, to install into existing systems
- With short circuit protection!

10 Ratios from 50:50 to 70:30

16 adjustable position speeds from 60 to 190 PPM

Runs 20 Pulsators Voltage input 120

PULSATION

Delatron® Replacement Parts

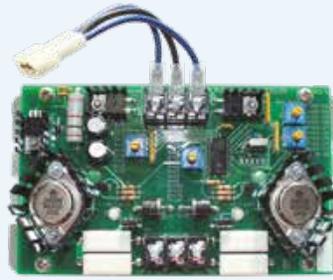


- 43310** Base, for bayonet pulsator
- 43311** Bayonet base kit Illustration pg. 153
- 43308** Threaded bayonet base mount
- 43313** Bayonet bracket
- 43320** Base, for stallcock pulsator
- 43322** Stallcock base kit Illustration pg. 153
- 43324** Base slide for stallcock, with wear guards & contacts
- 43327** Right hand contact pin, for stallcock mount
- 43328** Left hand contact pin, for stallcock mount
- 43331** Right hand guard, for stallcock mount
- 43332** Left hand guard, for stallcock mount
- 43305** White base plate
- 98971** Screw, for white base plate
- 98976** Base o-ring, for 100B & 200B
- 43307** Rubber bumper, for bayonet bracket
- 43398** Fresh air nipple, with grommet
- 43302** Blue base clip

- 98669** Seal, for bayonet base mount
- 43359** Cover, for 43361, 43366 & 43371
- 43356** Cover, for 43363, 43368 & 43373
- 43357** Wire & connector, for Delatron 200B pulsator – 54" for Stanchion
- 43357-1** Wire & connector, for Delatron – 200B pulsator – 72" for bucket
- 98700** 2-strand 18GA power wire
- 98699** 3-strand 18GA power wire
- 98956** Wiring harness, for Delatron 100's, 18" **Custom Lengths Available**
- 98957** Wiring harness, for Delatron 100's, 5'
- 43315** 12 volt DC coil (black)
- 98395** 24 volt DC coil (red)
- 98974** Coil o-ring
- 43317** Magnetic plate, for coil
- 98703** Flag terminal

120 or 240 volt pulsation plastic box comes with a 12-unit Kleen Flo® circuit board for BouMatic® pulsation.

*18-month limited warranty.



- Powered by 48VCT transformer
- Will work for goats & sheep
- Ratios are individually adjustable
- With short circuit protection!

Available Ratios: 50:50, 60:40, 61:39, 62:38, 63:37, 64:36, 65:35, 66:34, 67:33, & 70:30
16 adjustable position speeds from 60 to 190 PPM
Runs 12 Pulsators

- 43200** Kleen Flo® B pulsation controller, 24VDC output
- 43205** Kleen Flo® B pulsation controller, LESS circuit board
- 99971** Box with clear lid, for pulsation controller

- 43195-67** Kleen Flo® pulsation board, 67 PPM, 22VDC output
- 43195** Kleen Flo® pulsation board
- 43201** Transformer, for 120 or 240 volt
- 43197** Wiring harness, for #43195 & 43195-67 board, connects board to transformer
- 43198** Wiring harness, for #43201 Transformer, connects board to transformer

PULSATION

Illustration pg. 155

The parlor model pulsator includes a rubber front protector seal and a threaded ½" pipe to mount the pulsator on the line.



43186



43245



43240

BouMatic® Style Replacement Pulsators

- 43185** Stanchion barn model, less fresh air
- 43184** Stanchion barn model, with fresh air
- 43186** Parlor model, with fresh air, pipe and plug
- 43187** Parlor model, less fresh air, with pipe and plug

Replacement Parts for BM Pulsators

- 43215** Black coil, for BM pulsator, *HI FLO*
- 43217** Black coil, for BM pulsator, *standard*
- 43216** Pulsator base kit
- 43229** Dust cap, for old style pulsator
- 43218** Foam seal, for kit
- 43219** Nut/plug, for bottom of pulsator base
- 43249** Rubber side plug, for BM style pulsator base
- 43248** Front rubber nipple protector
- 43223** Stainless cover, for standard pulsator

- 43222** Cover for pulsator, with stainless fresh air nipples, Includes: O-rings
- 43226** O-ring, only - sold individually
- 43251** Spring, for BM style pulsator nipple
- 43252** Long screw, for BM style pulsator
- 43253** Medium screw, for BM style pulsator
- 43254** Short screw, for BM style pulsator
- 43255** Star washer, for BM style pulsator screw
- 43245** Repair kit for BM style pulsator, 18 pieces
INCLUDES:
2 pistons, 2 coil seals, 1 front seal, foam filter, 4 screws, 4 washers, 2 side plugs, 1 dust cap and spring
- 43240** Repair kit for BM style pulsator, 5 pieces
INCLUDES:
2 pistons, 2 coil seals, 1 front seal
- 43232** Coil seal
- 43233** Front nipple seal
- 43231** Piston assembly
- 43241** Cap, for piston

Replacement Repair Kit for BM Evolution Pulsator



43700

- 43241** Cap, for piston
- 43706** Pulsator base kit
- 43707** Coil o-ring
- 43708** Adaptor o-ring
- 43709** Side plug



98939 5 piece repair kit for blue Model 87, 5000 or 6000 pulsators

INCLUDES:

2 piston assemblies, 2 teardrop gaskets and 1 stallcock seal.

98937 Teardrop gasket

98936 Stallcock seal

98935 Complete piston (2 needed)

43241 Bottom piston cap (2 needed)

98934 Top plug for UN style piston

98932 Plastic nut

43656 55:45 Board, *only for blue UN pulsator*

43655 55:45 Base, *only for blue UN pulsator*

43660 60:40 Board, *only for blue UN pulsator*

43661 60:40 Base, *only for blue UN pulsator*

43683 Cover kit

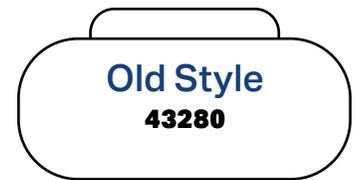
43665 Blue coil, *for UN*

43650 60:40 pulsator, *for UN*

43652 55:45 pulsator, *for UN*

Strangko® Pulsator Rebuild Kits

Please check your coil shape before ordering



LL90® Pulsators and Parts For Interpuls®

21454 Replacement Molded Filter, *for LL90®*



21454

Complete replacement rebuild kit for LL90®

20670 60:40

20671 60:35

20672 70:30



For Fresh Air System

43550 Pulsation Fresh Air Filter for 3" PVC line

43553 Clear cover for fresh air filter

17830 Replacement filter cartridge only

PULSATION

Illustrations pg. 156 & 157



43160



43156



43115

43175

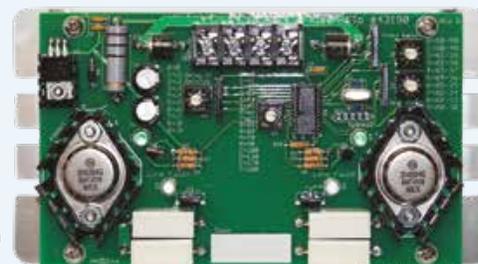
43178



43106



43105



43190

10 Ratios from 50:50 to 70:30

16 adjustable position speeds from 60 to 190 PPM

Runs 12 Pulsators

43160 SQUARE nipple pulsator, *standard*

43165 ROUND nipple pulsator, *standard*

43155 PARLOR style pulsator, *standard*

43156 PARLOR style pulsator, *fresh air*

43115 Black coil

43151 Spring for square & round nipple pulsator

43153 Spring for original square nipple pulsator

43162 Square nipple base with pin

43167 Round nipple base with pin

43157 Parlor style pulsator base

43171 Rubber side plug, *for Surge pulsator base*

43124 Center contact pin for parlor pulsator

43135 Side contact pin for square nipple

43145 Side contact pin for round nipple

43125 Side contact pin for parlor style

43105 Repair kit for pulsator, *4 piece kit*

43106 Repair kit for parlor pulsator, **INCLUDES: flat & lock washers**

43173 Threaded bottom plug

43137 Standard cover

43175 Square nipple pulsator seal

43178 Round nipple pulsator seal

43104 Piston, *with rubber parts*

43107 Bottom cap, *for piston*

43108 Top cap, *for piston*

10600 Fresh air cover for alternating pulsators, **INCLUDES: 2 o-rings**

43102 O-Ring, *for piston kits*

10601 O-Ring, *for fresh air cover*

43118 Cover screw

43250 Medium screw

43252 Long screw

43255 Star washer

43149 Knob, *for parlor pulsator*

Miscellaneous Replacement Parts

85365 60 PPM resonator for circuit board

43110 Push in bulb, *for pulsation box, newer style*

91819 Turn in bulb, *for pulsation box*

43111 Rectifier, 50 amp, *for pulsation box*

43112 Rectifier, 35 amp, *for pulsation box*

43114 Breaker switch, *for pulsation box*

43113 Breaker switch, *for large gray pulsation box*

43101 Repair kit, *for old style bucket pulsators*

43192 Kleen Flo® S pulsation controller, *COMPLETE, 24VDC output*

43190 Kleen Flo® S pulsation board, *24VDC output*

99972 Box with clear lid, *for pulsation controller*

43194 Transformer, *for Surge pulsation box, 120volt*



43192



Replacement Parts for Visotron® & Autotronic®

17515 Rebuild kit for Visotron®

INCLUDES:

17512 dome gasket, 17514 piston cap, 17516 coil o-rings, 17526 o-ring for mount or lid base, 23871 sealing grommet for auto stallcock connector, 91831 push button cover

17514 Piston cap only, for Visotron® and Autotronic®

17516 Coil o-ring, for Visotron® and Autotronic®

17512 Dome gasket, for Visotron®

17518 Hangers, for Visotron®, heavy-duty

17511 Wire, for Visotron®, 40" section

91228 Replacement contact probe for WF power hose

91819 Bulb, for Visotron®

91830 Push button

91831 Push button cover

99716 20 AMP 24 Volt Acme transformer



17515



91228

Original Visotron® Parts

05755 Hose for Visotron®, per foot (7051-2635-018)

05765 Red lamp assembly (0005-3768-900)

05768 Red lens (0005-1342-910)

09115 Toggle switch cover (0005-3380-700)

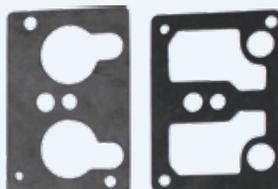
09116 Toggle switch (0005-4169-000)

05780 5/8" Front cover (7051-5446-220)

Replacement Parts for Autopuls® and Stimopuls® Pulsators



17500



17502



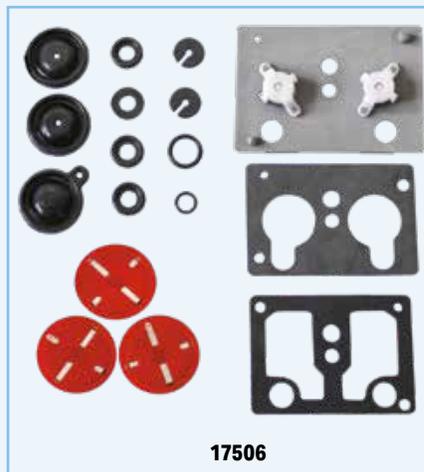
17504



17491



17525



17506



17493



91900

17525 Mounting bases for Autopuls® and Stimopuls®

17517 Hangers for Stimopuls®, heavy-duty

17504 Check valve plate

17506 Rebuild kit, for Apex pulsator

17507 O-ring for inline WF Pulsator filter screen

17508 O-ring for inline WF Pulsator filter housing

17500 Rebuild kit for Autopuls® and Apex pulsators

17500-1 Rebuild kit, for Stimopuls M & P

17500-2 Rebuild kit, for Stimopuls M & P - APEX style

17500-3 Rebuild kit, for Autopuls M & P

17500-4 Rebuild kit, for M & P APEX style

17560 Replacement plate gasket for VacuPuls pulsator

91900 Diaphragm with Anchor for Apex

17491 Felt gasket, for Autopuls®

17493 Felt gasket, for Stimopuls®

17501 Gasket kit for Autopuls® and Stimopuls®

INCLUDES:

solenoid plate gasket, bottom sealing plate gasket, and top sealing plate gasket

17502 Gasket 2 pcs kit, for Stimopuls MA takeoff

09566 Inline filters, for pulsation hose (pack of 2), (7051-9926-000)

Replacement Parts for Vacupuls® Pulsators

17520 Filters (pack of 12)

17541 Screw, for cover

17542 Longer screw, for cover

17543 Disc, for GOLD

17545 Disc, for STANDARD

17548 Disc, for SMALLEST HOLE

17550 Diaphragm, large

17552 Diaphragm, small

17555 O-ring

20145 E-clip

17558 Seat screw

17557 End cap screw



17520

Original Vacupuls® Parts

05660 60:40 Pulsator (7041-2700-600)

05667 67:33 Pulsator (7041-2700-560)

05640 60:40 Slide (7041-2711-020)

05633 67:33 Slide (7041-2711-040)

05611 Magnet (7041-9926-020)

05615 Slide seat (7041-2719-090)

05617 Side cover (7041-2718-160)

05618 Cover (7041-2718-050)

05619 Filter holder (7041-2187-010)

05620 Changeover (7041-2215-030)

05609 Plastic Cir clip (7041-2745-020)

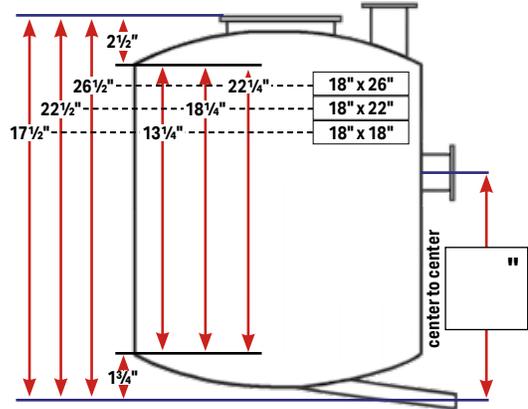
05622 Control slide (7041-2711-050)

All receivers come with a lid and 1½" probe hole
 Drawings available upon request
 Any questions call Dustin @ 800-768-0887

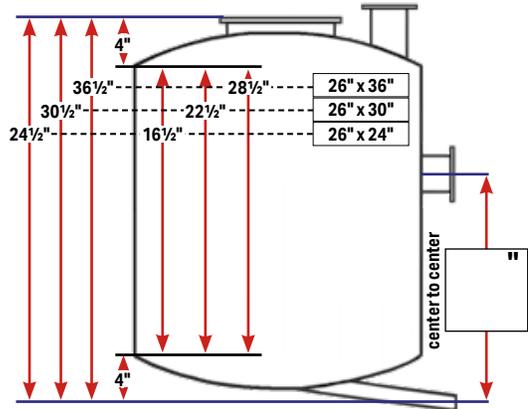
To order a custom receiver, please fill out all applicable information on the form and then sign and return to us.

- 20105** 18" x 18" receiver, fixed bottom, without trap outlet
- 10087** 18" x 22" receiver, fixed bottom, with 3" trap outlet at 4:30
- 20095** 18" x 22" receiver, fixed bottom, without trap outlet
- 20263** 18" x 26" receiver, fixed bottom, without trap outlet,
with 1½" milk pump outlet
- 20264** 18" x 26" receiver, fixed bottom, without trap outlet,
with 2" milk pump outlet
- 20290** 26" x 24" receiver, fixed bottom, without trap outlet
with 1½" milk pump outlet
- 20291** 26" x 30" receiver, fixed bottom, without trap outlet
with 2" milk pump outlet
- 20292** 26" x 24" receiver, fixed bottom, without trap outlet
with 2" milk pump outlet
- 20293** 26" x 36" receiver, fixed bottom, without trap outlet
with 2" milk pump outlet
- 20280** Master number for Standard ferruled inlet
Please add on: **-1.5, -2, -2.5, -3 or -4*** after Master part#
to get right size and price
- 20284** Master number for ferruled inlet with 45° elbow
Please add on: **-1.5, -2, -2.5, -3 or -4*** after Master part#
to get right size and price
- 20287** Master number for Parallel inlets welded on custom receivers
Please add on: **-1.5, -2, -2.5, -3 or -4*** after Master part#
to get right size and price
- *For example: 20280-1.5*
- 20289** Master number for trap outlet welded on receiver
Please add on: **-3 or -4** after Master part# to get right size and price

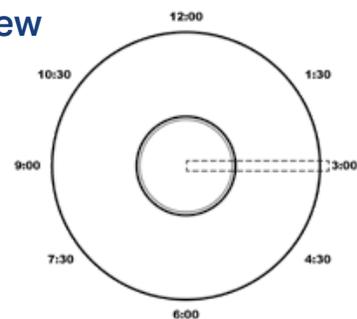
18" Side View



26" Side View



Top View



RECEIVER GROUPS

- 18" x 18"** =
16 Gallons/60 Litres
- 18" x 22"** =
21 Gallons/79 Litres
- 18" x 26"** =
26 Gallons/98 Litres
- 26" x 24"** =
48 Gallons/181 Litres
- 26" x 30"** =
61 Gallons/230 Litres
- 26" x 36"** =
75 Gallons/284 Litres

Date _____ PO# _____

Business &/or Contact Name _____

Phone# _____ Fax# _____

Receiver Part# _____ Milk Pump Outlet Size _____

Signature _____

	Part # of Inlet	Side/Top	Location	Size
A				
B				
C				
D				
E				
F				

Receiver Options

20400 – Option 1

INCLUDES:

- 10084** 18" x 22" – 3" corner receiver with 45° 3" inlets
- 10086** Clear lid with gasket
- 20225** 3" poly trap and bend
- 20199** Stainless stand with adjustable milk pump plate
- 54323** 3" clamp
- 54329** 3" gasket

20402 – Option 2

INCLUDES:

- 10085** 18" x 22" – 3" receiver with straight inlets at 3:00 & 9:00
- 10086** Clear lid with gasket
- 20225** 3" poly trap and bend
- 20199** Stainless stand with adjustable milk pump plate
- 54323** 3" clamp
- 54329** 3" gasket

20403 – Option 3

INCLUDES:

- 10087** 18" x 22" – 3" blank receiver with 3" trap outlet
(see page 30 for custom order form - custom ferruled inlets can be added)
- 10086** Clear lid with gasket
- 20225** 3" poly trap and bend
- 20199** Stainless stand with adjustable milk pump plate
- 54323** 3" clamp
- 54329** 3" gasket

Need a complete receiver group?

Order one part number from the "Receiver Options" column, and one part number from the "Motor Options Column."



Motor Options

20406 – Option 1

E-Zee 1 HP group

with variable speed drive (Dual rated 1 & 3 Phase)

INCLUDES:

- 10402** Wall mount milk pump with Sterling 3 phase 1 HP motor
- 35150NP** ImPulse CL 2HP VSD, 230V, Dual Rate 1 & 3 Ph
- 34902NP** 24" Continuous Level Probe & Float Assembly
- 10417** Milk pump flapper valve
- 78460** Drain assembly with 1½" elbow and drain tubing
- 17130** Heavy-duty 1½" clamp
- 54320** 1½" V-insert clamp
- 54326** 1½" gasket

20407 – Option 2

1 HP DL style group (1 phase)

INCLUDES:

- 10434** Wall mount milk pump with Sterling 1 phase 1 HP motor
- 20324** Kleen Flo® Liquid level control box (DL style)
- 20349** 19" DL style probe assembly
(please specify if you need another size – also available 20345 – 16" or 20346 – 22½")
- 10416** Milk pump flapper valve
- 78460** Drain assembly with 1½" elbow and drain tubing
- 17130** Heavy-duty 1½" clamp
- 54320** 1½" V-insert clamp
- 54326** 1½" gasket

**If you need 3 phase please order part 20298
LLC only available in single phase input.**

20408 – Option 3

1 HP BM style group (1 phase)

INCLUDES:

- 10186** 4" Milk pump assembly with Sterling 1 phase 1HP motor
- 20307** Kleen Flo® Liquid level control box (BM style)
- 20010** Probe assembly with float
- 10417** Milk pump flapper valve
- 78460** Drain assembly with 1½" elbow and drain tubing
- 17130** Heavy-duty 1½" clamp
- 54320** 1½" V-insert clamp
- 54326** 1½" gasket

**If you need 3 phase please order part 20294
LLC only available in single phase input.**

20409 – Option 4

2 HP Kleen Flo® T Style receiver group with variable speed drive (for single or 3 phase)

INCLUDES:

- 59708** Kleen Flo® T-Style #4 milk pump
- 21502** SS motor, 5/8" keyed, 2 HP, 3 phase, Sterling 3600 RPM
- 10416** Check valve, for D style milk pump
- 78460** Drain assembly with 1½" elbow and drain tubing
- 17130** Heavy-duty 1½" clamp
- 54320** 1½" pipeline clamp
- 54326** 1½" tri clamp pipeline gasket
- 35150NP** ImPulse CL 2HP VSD, 230V, Dual Rate 1 & 3 Ph less Probe
- 35002NP** 24" Liquid Level Probe & Float Assy ImPulse III

NOTE: If you need three phase power, please order the specified part numbers which will include the correct three phase components.

All fixed bottom receivers come with a horizontal outlet and are 16 gauge stainless.
Please see page 24 for our blank receiver order form.



- 10085** 18" x 22" receiver with 3" x 3" x 3" straight inlets @ 3:00 & 9:00 and trap outlet @ 4:30

- 10084** 18" x 22" receiver with 3" x 3" x 3" 45° inlets @ 1:30 & 7:30 and trap outlet @ 4:30

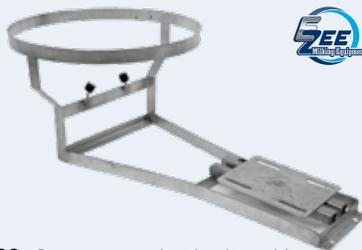
- 10087** 18" x 22" receiver, with blank inlets and trap outlet @ 4:30

- 20116** 18" x 18" fixed bottom receiver with 3" x 3" x 3" 45° inlets @ 1:30 and 7:30 and trap outlet @ 4:30



- 20189** Receiver stand without milk pump plate, for 18" receivers

- 20186** Receiver stand without milk pump plate, for 26" receivers



- 20199** Receiver stand with adjustable milk pump plate, for 18" receivers

- 20187** Receiver stand with adjustable milk pump plate, for 26" receivers

- 20193** Leg set to make receiver stands adjustable (Not included with receiver stands)



- 20196** Angle brackets to convert to a highline receiver stand

Miscellaneous Replacement Receiver Parts

- 20180** SS stand for 27000 receiver jar

- 20181** 7" SS clamp for 27000 Surge receiver

- 05290** Gasket- 7" for 27000 Receiver

- 19910** SS motor mount bracket for UN receiver panel



Receiver Lids
 (lids come with gasket)

10086	7" lid, with 1 1/2" probe hole	7" ID	8" OD
10076	7" lid, without probe hole	7" ID	8" OD
10074	6 1/2" lid, with 1 1/2" probe hole	6 3/8" ID	8" OD
20295	10" lid, with 1 1/2" probe hole	9" ID	10" OD
20297	10" lid, without probe hole	9" ID	10" OD
25199	Gasket for 7" lid	6 3/8" ID	7 7/8" OD (1047)
25196	Gasket for 6 1/2" lid	6 3/16" ID	7 7/8" OD (1041)
20299	Gasket for 10" lid	8 1/2" ID	9 5/8" OD



10086



- 10610** Blue coated stand for swivel receiver, for lowline

- 10620** Blue stand for highline swivel bottom receiver



- 10088** Swivel bottom only - with horizontal outlet

- 10089** Swivel bottoms only, with vertical outlet

NOT SHOWN:

- 10091** Half moon plate for swivel bottom receiver

- 10092** Stainless wing nut for swivel bottom receiver

- 10093** Stainless set screw for swivel receiver wingnut

- 10079** Gasket for swivel bottom

- 10613** Cushion for mounting 18510 stainless bracket to 10620 stand

- 10615** Adaptor plate to mount various milk pumps to DL Bracket

- 10618** Grommet for mounting glass jar to 118510 bracket

3" White Rippled Moisture Trap and Parts

Illustrations pg. 158



20225

- 20225** Complete assembly, with bend as seen in picture
- 20230** Complete assembly, with beaded 3" ferrule on J-bend for Surge®
- 58605** Complete assembly, without bend
- 20223** Hose clamp, (4 needed)
- 20224** Stainless J Bend, only, with tri clamp ferrule
- 20231** Stainless J Bend, only, with Surge® style ferrule
- 20412** White moisture trap body
- 20413** PVC sleeve
- 20415** 4½" ID pipe sleeve, for top vacuum port
- 20417** 3¾" ID pipe sleeve, for side port
- 18037** Duckbill drain
- 20227** Rubber cover, for white ripple trap
- 23250** 4" plastic trap ball

Stainless Vertical Moisture Traps



22500

A Comparable Stainless Replacement or the White Rippled Moisture Trap

22510

22535

Trap Assemblies

- 22507** 12 Quart Trap Assembly, with 3" Clamp X Thread 180° trap bend
- 22509** 16 Quart Trap Assembly, with 3" Clamp X Thread 180° trap bend
- 22508** 16 Quart Trap Assembly, with 3" Clamp X Thread 90° trap bend

Traps Less Trap Bend

- 22500** 12 Quart Trap Assembly, with Clear Plastic Cover with Gasket, Stainless Cage with Ball, Check Valve and PVC Adaptor
- 22505** 16 Quart Trap Assembly, with Clear Plastic Cover with Gasket, Stainless Cage with Ball, Check Valve and PVC Adaptor

Parts for Vertical Moisture Traps

- 22510** Stainless 180° Trap Bend Clamp x Thread
- 22515** Stainless 90° Trap Bend Clamp x Thread
- 22520** Stainless 45° Trap Bend 3" SS Flange x Thread
- 22530** Stainless Body for 16 Quart Trap
- 22533** Stainless Body for 12 Quart Trap
- 22535** Clear plastic cover, with 3" holes, and gasket
- 22537** Stainless Cage
- 22539** PVC Adaptor, for 3"
- 20183** Moisture trap check valve
- 20299** Gasket only, for Clear Plastic Cover
- 23250** 4" Plastic trap ball

Surge® Style Moisture Trap



22550

16 quart stainless trap replacement for 2" Surge® highline



22555

3" threaded fitting to 2" Surge ferrule



22556

3" x 2" Sch 40 PVC Reducer



12" x 24" Horizontal Moisture Traps

- 20200** 3" thread x clamp Moisture trap with 4" plastic ball, lid and gasket
- 20205** 4" thread x clamp Moisture trap with 5" plastic ball, lid and gasket
- 20252** 3" clamp x clamp Moisture trap with 4" plastic ball, lid and gasket
- 20257** 4" clamp x clamp Moisture trap with 5" plastic ball, lid and gasket

12" x 18" Horizontal Moisture Traps

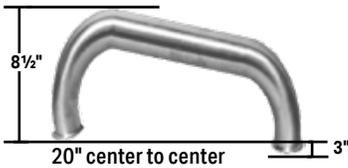
- 20258** 3" thread x clamp Moisture trap with 4" plastic ball, lid and gasket

Moisture Trap Parts

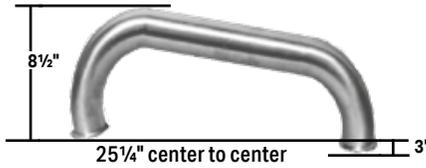
- 20204** Lid, with gasket, for horizontal trap
- 20202** Gasket, only, for horizontal moisture trap, 11" ID - 13" OD
- 20203** Lid, with gasket, for horizontal trap, w/o stainless tab
- 99978** 4" Ball cage with clamp
- 99979** 3" Ball cage with clamp

Moisture Trap Float/Balls

- 23253** 4" stainless trap ball, for 3" trap
- 23250** 4" plastic trap ball, for 3" trap
- 23251** 5" plastic trap ball, for 4" trap
- 23252** 6" plastic trap ball



20212
Trap Bend for 3" horizontal trap,
shorter version



20210
Trap Bend for 3" horizontal trap



20215
Trap Bend for 4" horizontal trap

Miscellaneous Parts



10625
Check valve
for 3" DL Trap



10163
Rubber drains
for 2" DL moisture trap



20183
Check valve assembly
for Surge® moisture trap



10500

- 20234** Gasket, for 2" blue BM moisture trap, 6 1/2" ID
- 10161** Gasket, for 2" DL trap - 6 1/4" ID
- 10630** Trap gasket, for 3" DL fiber glass trap head - 10" ID
- 21070** White gasket, for all UN plastic style traps
- 10500** 3" Stainless trap bend, for 3" fiberglass DL style blue head trap

Custom Moisture Trap

- 20249** Blank horizontal moisture trap with lid, 12 x 18
- 20250** Blank horizontal moisture trap with lid, 12 x 24
- 20275** 3" NPT threaded outlet welded on moisture trap
- 20276** 4" NPT threaded outlet welded on moisture trap
- 20278** 4" Tri clamp inlet welded on moisture trap
- 20278-1** 4" Tri clamp outlet welded on moisture trap
- 20279** 3" Tri clamp inlet welded on moisture trap
- 20279-1** 3" Tri clamp outlet welded on moisture trap

SEE PAGE 142
for Custom Moisture Trap Order Form

Special part numbers can be assigned to your custom variable speed, multi float probe assemblies, making your future orders, of the same float probe assembly, more convenient.

See examples (at right) of some we have already created.

Please call for more details.



- 45706** Variable speed probe assembly, *Float positions: 2.5", 5.5" and 10" with collar, 21" to top of jar*
- 45706-1** Variable speed probe assembly, *Float positions: 2.5", 5.5" and 10" with clips, 21" to top of jar*
- 45708** Variable speed probe assembly, *Float positions: 2.5", 5.5" and 10" with collar, 28" to top of jar*
- 45708-1** Variable speed probe assembly, *Float positions: 2.5", 5.5" and 10" with clips, 28" to top of jar*
- 45709** Variable speed probe assembly, *Float positions: 3", 5.5" and 8" with collar, 30" to top of jar*
- 45709-1** Variable speed probe assembly, *Float positions: 3", 5.5" and 8" with clips, 30" to top of jar*
- 45710** Variable speed probe assembly, *Float positions: 3", 7" and 11" with collar, 30" to top of jar*
- 45710-1** Variable speed probe assembly, *Float positions: 3", 7" and 11" with clips, 30" to top of jar*



SEE PAGE 141 for Custom Probes

Kleen Flo® **EMERGENCY** Liquid Level Control

Emergency Liquid Level Control is controlled by adjusting timer knobs, which eliminates the need for a sensing probe or level control board, creating less down time in the event of liquid level control failure.

Motor "ON" time and "OFF" times can be independently adjusted from **5 to 60** seconds.

No probes required. For temporary use only.

PORTABLE

WALL MOUNT



61587
Emergency LLC



61586
Emergency LLC

Battery Operated Liquid Level Monitor



20050

For color chemical drums. Lights up when chemical is out.

Note:
Nine volt battery not included.

RECEIVER GROUPS



Direct Replacement for 3 Probe System That Works with Your Existing Controller

This New Stainless Steel Probe Design is more sanitary because it has no clips or collars. The sanitary welded float stopper at the bottom will not allow the float to fall off.

This unique design allows the reed switch to be replaced, without replacing the entire probe and can also be sent back for repair.

- Green common wire
- Green and white bottom switch
- Green and black top switch

Kleen Flo® Single Float Probe Assemblies

- 20042** 16" x 1/2" Probe
- 20044** 19" x 1/2" Probe
- 20047** 22" x 1/2" Probe

Kleen Flo® Single Float Probe Assemblies with Box

- 20341-1** 16" x 1/2" Probe with 20324 box
- 20342-1** 19" x 1/2" Probe with 20324 box
- 20343-1** 22" x 1/2" Probe with 20324 box

Kleen Flo® 4x4 Box with Single Float Probe

- 20439** Kleen Flo® LLC 4 x 4 style, 240 v, with 20042 Probe
- 20439-1** Kleen Flo® LLC 4 x 4 style, 240 v, with 20044 Probe
- 20439-2** Kleen Flo® LLC 4 x 4 style, 240 v, with 20047 Probe
- 20459** Kleen Flo® LLC 4 x 4 style, 120 v, with 20042 Probe
- 20459-1** Kleen Flo® LLC 4 x 4 style, 120 v, with 20044 Probe
- 20459-2** Kleen Flo® LLC 4 x 4 style, 120 v, with 20047 Probe

Replacement Parts

- 20042-2** Reed switch assy, for 20042
- 20044-2** Reed switch assy, for 20044
- 20047-2** Reed switch assy, for 20047
- R03530NP** SS Float - 1.4"



RECEIVER GROUPS

Kleen Flo® Probe Assembly

- 20032** 16" float probe assembly, with collar and 1 1/2" probe holder
- 20032-1** 16" float probe assembly, with clip and 1 1/2" probe holder
- 20034** 19" float probe assembly, with collar and 1 1/2" probe holder
- 20034-1** 19" float probe assembly, with clip and 1 1/2" probe holder
- 20036** 22" float probe assembly, with collar and 1 1/2" probe holder
- 20036-1** 22" float probe assembly, with clip and 1 1/2" probe holder

Replacement Parts

- 20030** Stainless Float
- 20016** Clip
- 20018** Stainless steel collar, 5/16" ID - 5/8" OD - 5/16" width
- 10094** Rubber 1 1/2" probe holder
- 10095** Rubber 2" probe holder
- 20013** Rubber grommet for probe
- 10100** Sleeve for 10101 probe holder to go into 2" hole, fits glass only

- Green common wire
- Green and white bottom switch
- Green and black top switch



Dry contact float probe systems eliminate pitting on probes. Works for any 3 probe LLC system. Works especially well in systems with excess foam.

Kleen Flo® Liquid Level Control for DeLaval®



20324



**Heavy-Duty
Water-Tight
Stainless Latches**
for easy opening



20334



- 120/240VAC Input and output via on board selector switch
- Remote indicator LEDs – Power and Relay
- Heavy-duty user replaceable motor relay ~ 25amps @ 250VAC
- Easy disconnect switch wires

20333 3-probe LLC Control Board, **ONLY**, replacement for **NEW** style DeLaval® plastic liquid level box

20334 2-probe or single reed LLC Control Board, **ONLY**, replacement for DeLaval® plastic liquid level box

20324 LLC Box complete, less probe assembly

20325 Fuse, Cartridge, Time Delay, 15 A, 250 V, ¼" x 1¼", MDA Series

20341 Complete LLC Box & Probe Assembly, with 20345, 16" probe assembly

20342 LLC Box complete, with 20349, 19" probe assembly

20343 LLC Box complete, with 20346, 22½" probe assembly

20322 Plastic box, with mounting plate, but no board

99973 Box only with lid, for LLC's

20350

3-probe LLC Control Board with mounting plate, replacement for OLD style DeLaval® stainless liquid level box

Misc. Replacement Parts for DeLaval® LLC

For new style box

For old style box

10166 Relay

10167 Relay

20328 Switch

20329 Switch

RECEIVER GROUPS



Probe Assemblies, FDA Grade Nylon Coating

20345 16" probe assembly, 3 probe, plastic cover (Includes: 2 – 20336 and 1 – 20335 probe rods)

20345-1 16" probe assembly, 3 probe, stainless cover (Includes: 2 – 20336 and 1 – 20335 probe rods)

20349 19" probe assembly, 3 probe, plastic cover (Includes: 2 – 20339 and 1 – 20337 probe rods)

20349-1 19" probe assembly, 3 probe, stainless cover (Includes: 2 – 20339 and 1 – 20337 probe rods)

20346 22½" probe assembly, 3 probe, plastic cover (Includes: 2 – 20338 and 1 – 20336 probe rods)

20346-1 22½" probe assembly, 3 probe, stainless cover (Includes: 2 – 20338 and 1 – 20336 probe rods)

Probe Rods		
	Overall Length	From bottom of probe rod to bottom of grommet
20335	10"	8"
20336	16"	14"
20337	12½"	10½"
20338	22½"	20½"
20339	19½"	17½"

Misc. Parts for Probe Assemblies

20340 1½" rubber probe holder for 3 probe assembly

20355 Stainless cover, only

20356 Plastic cover, only



20356

**E-Zee's Kleen Flo® 4x4
Liquid Level Control**

*Circuit board is designed for 3 probe system.
It is constructed with the strong screw type connectors.*



20430



Water Tight Control Box



240 Volt Input

- 20430 240 circuit board only (needs contactor)
- 20319 Contactor, 240 volt coil
- 20431 Control box, with mounting plate and board (no probes)
- 20434 Control box, with 20345 - 16" probe assembly
- 20436 Control box, with 20349 - 19" probe assembly
- 20438 Control box, with 20346 - 22½" probe assembly

120 Volt Input

- 20450 120 circuit board only (needs contactor)
- 20320 Contactor, 120 volt coil
- 20451 Control box, with mounting plate and board (no probes)
- 20454 Control box, with 20345 - 16" probe assembly
- 20456 Control box, with 20349 - 19" probe assembly
- 20458 Control box, with 20346 - 22½" probe assembly

- 20332 Plastic box with mounting plate, less board
- 99973 Box only with lid, for LLC's
- 20425 Optional red and green LED kit
- 20490 Snap track, for 20430, 20451 and 20471
- 20486 Momentary On/Off Switch
- 20487 Milk/wash/off toggle switch
- 99976 2 Amp breaker



20425

*The above level control and circuit board are also available for 12 VOLT.
Please use the part numbers listed below.*

- 20471 12 volt DC control box with board, (no probes)
- 20470 2 volt DC board only (needs contactor)
- 67620 Heavy-duty 12 volt DC relay #120-901

RECEIVER GROUPS



20395

*New style replacement board,
with SnapTrack, for Surge® LLC,
designed to replace the Surge® 28000
liquid level control board*

10726

*Pump down switch,
for Surge LLC control box*

Replacement Box for BouMatic® Receiver Groups



20075 Complete LLC Control box

INCLUDES:

Air injector board, LLC board, and Kleen Flo®
12 pulsation board Input Voltage 240

20079 Complete LLC Control box

INCLUDES:

Air injector board, LLC board, and **USED** 5-dip BouMatic® pulsation board

20083 LLC Control box, *LESS pulsation board*

20069 Small transformer, for BM master control panel,
120 or 240V AC input / 24V AC output

20060 Circuit board for BM air injector

20061 Wiring Harness for 20060 air injector board



20060



20061

Kleen Flo® Liquid Level Control

Designed for a Float probe system • 240 volt input • Water-tight control box

20307 Kleen Flo® LLC, 240 volt, with board, less probe assembly

20305 Kleen Flo® LLC, 240 volt, with board and 20010 float probe assembly

20305-1 Kleen Flo® LLC, 240 volt, with retainerless float probe assembly

20321 Contactor, for 20307, 24 volt AC

99973 Box only, with lid, for LLC's

20313 Circuit board, float style, interchanges with original

20316 Wiring harness, for 20313 LLC board

20304 Kleen Flo® LLC, **12 VOLT**, with board and 20010 float probe assembly

20308 Control box, **12 VOLT**, with board, less probe assembly

20486 Momentary On/Off Switch

20487 Milk/wash/off toggle switch

99976 2 Amp breaker



20313



20316



Retainerless Probe Assembly for BM

This New Stainless Steel Probe Design is more sanitary because it has no clips or collars. The sanitary welded float stopper at the bottom will not allow the float to fall off.



- 20011** Retainerless probe assy for BM, Complete with Junction Box, Reed Switch & New Style Float
- 20305-1** Kleen Flo® LLC, 240 volt, with retainerless float probe assembly and 20307 box

Replacement Parts

- 20011-2** Normally Closed reed switch assembly
- 20011-1** Stainless rod only, for 20011



RECEIVER GROUPS

Replacement BM Float Style Probe Assembly and Replacement Parts



- 20010** Probe assembly complete, with reed switch, with Junction box, collar and new style float
- 20010-1** Probe assembly complete, with reed switch, with Junction box clip and new style float

Replacement Parts

- 20020** 42" Reed switch, for new style plastic or stainless float probe
- 20020-1** 60" Reed switch, for new style plastic or stainless float probe
- 20025** Reed switch, for old style stainless float probe
- 20019** 1½" long insert, for reed switch
- 10094** Rubber 1½" probe holder, with ¼" hole
- 10095** Rubber 2" probe holder, with ¼" hole
- 10101** Rubber 1½" probe holder, with ½" hole
- 20012** Stainless rod only, for float style probe
- 20014** Junction box, for BM style probe
- 20016** Clip, for Kleen Flo® probe assembly
- 20018** Stainless steel collar, for Kleen Flo® probe assembly
- 20030** Stainless float, for BM probe, with clip
- 04113** Hairpin clip, for BM style probe (2 needed)

Seal Kit for Ben Anderson®

- 59895 INCLUDES:**
- 59894 Carbon seal
 - 14757 Ceramic seal
 - 59886 O-ring
 - 14766 New style body gasket
 - 59899 4" gasket (old style)



Seal Kit for N/S Ben Anderson®

- 14768 INCLUDES:**
- 14757 Ceramic and rubber seal
 - 14770 Rotating head assembly
 - 14766 New style body gasket



1 HP Kleen Flo® and Ben Andersen® Seal Assembly

- 14810 INCLUDES:**
- 14770 Rotating head assembly
 - 14757 Ceramic seal assembly



Seal Kit for External Thomsen®

- 59750 INCLUDES:**
- 59771 Rotary seal assembly
 - 59770 Ceramic seal
 - 59794 Housing o-ring for #4
 - 59795 Housing o-ring for #5
 - 59796 Housing o-ring for #6
 - 59765 Impeller clip



Seal Kit for Internal Thomsen®

- 59760 INCLUDES:**
- 59762 Teflon seal
 - 59793 O-ring
 - 59761 Spring
 - 59794 Housing o-ring for #4
 - 59795 Housing o-ring for #5
 - 59796 Housing o-ring for #6
 - 59765 Impeller clip



Seal Kit for Sta-Rite®

- 59890 INCLUDES:**
- 59887 Shaft seal
 - 59888 Head gasket
 - 59886 O-ring (standard)
 - 59885 O-ring (larger)



Seal Kit for Old Style Surge®

- 10795 INCLUDES:**
- 10717 Carbon seal
 - 10718 Green grommet
 - 10716 Small e-clip
 - 10417 Tri clamp flapper
 - 10418 Surge style flapper
 - 10713 Large 4" head gasket
 - 54326 1½" Gasket



Seal Kit for New Style WF Surge®

- 10705 INCLUDES:**
- 10712 Ceramic seal
 - 10724 Rotary seal assembly
 - 10716 Small e-clip
 - 10713 Large 4" head gasket
 - 10723 Set screw
 - 10721 Stainless collar
 - 10722 PVC sleeve



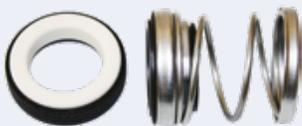
Seal Kit for SP-41

- 10750 INCLUDES:**
- 14756 Ceramic seal with rubber
 - 10755 Teflon seal
 - 59793 O-Ring
 - 10754 Spring



Classic Milk Pump Seal Kit

- 59970 INCLUDES:**
- Rotating head assembly
 - Ceramic seal assembly



Seal Kit For BouMatic® and Kleen Flo® B Style

- 10190 INCLUDES:**
- Ceramic seal
 - Carbon seal



Seal Kit For Kleen Flo®

- 14775 INCLUDES:**
- 14102 Head gasket
 - 14756 Ceramic seal assembly
 - 14770 Rotating head assembly



Seal Kit for D-Style DeLaval®

- 10395 INCLUDES:**
- 10428 Rubber seal
 - 10426 Ceramic seal
 - 10427 4" O-ring



Wall Mount

1 HP

- 10432** D-style Kleen Flo® milk pump, with 1 HP Magnetek single phase motor
- 10434** D-style Kleen Flo® milk pump, with 1 HP Sterling S/S 1 phase motor
- 10402** D-style Kleen Flo® milk pump, with 1 HP WEC S/S 3 phase motor
- 10411** D-style Kleen Flo® milk pump, less motor (for 1 HP)

1½ HP

- 10502** D-style Kleen Flo® milk pump, less motor, (for 1½ HP)

Floor Mount

1 HP

- 10437** D-style Kleen Flo® milk pump, with 1 HP Magnetek single phase motor
- 10401** D-style Kleen Flo® milk pump, with 1 HP Sterling S/S 1 phase motor
- 10403** D-style Kleen Flo® milk pump, with 1 HP WEC S/S 3 phase motor
- 10413** D-style Kleen Flo® milk pump, less motor (for 1 HP)

1½ HP

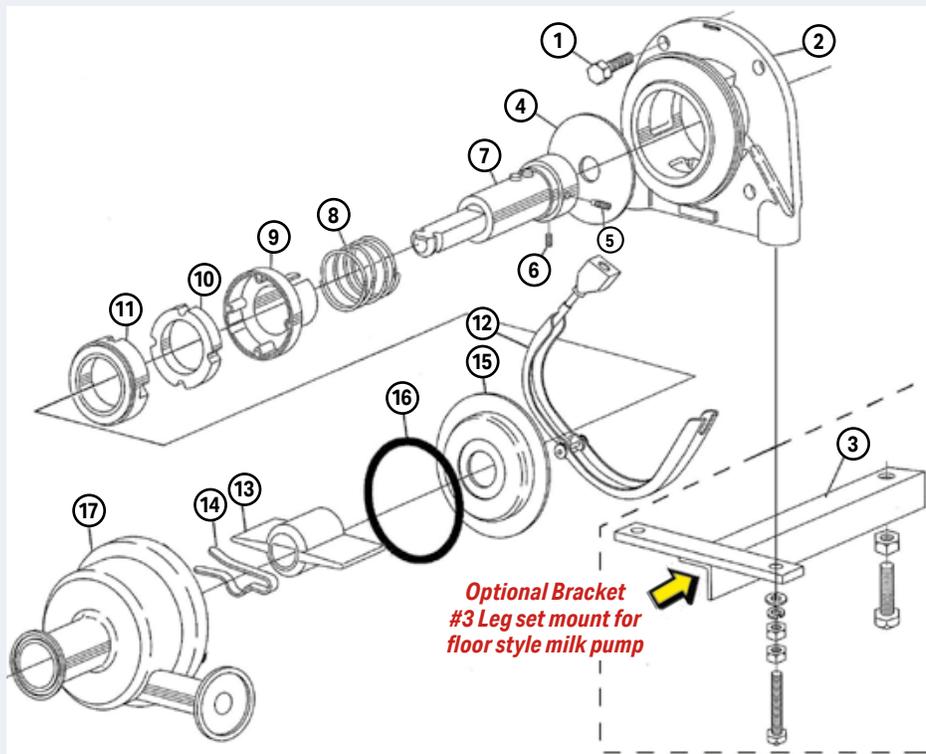
- 10404** D-style Kleen Flo® milk pump, with 1½ HP WEC S/S single phase motor
- 10405** D-style Kleen Flo® milk pump, with 1½ HP Sterling 3 phase motor
- 10503** D-style Kleen Flo® milk pump, less motor (for 1½ HP)

Parts for D-Style Kleen Flo® Milk Pump

Illustration pg. 159

- 1 **10422** Housing mount bolt, ¾ x 1"
- 2 **10431** SS mount, for milk pump housing
- 3 **10433** SS adjustable T-brackets, converts highline to floor mount
- 4 **10424** Rubber shaft slinger
- 5 **10398** Set screw, keyway style
- 6 **10399** Set screw, standard style
- 7 **10213** Shaft, new style
- 8 **10429** Spring
- 9 **10425** Stainless collar
- 10 **10428** Rubber seal
- 11 **10426** Carbon seal

- 12 **10423** Housing clamp
- 12a **10430** Washer, for clamp pin
- 13 **10391** SS impeller, for 1 HP
- 13a **10392** Plastic impeller, for 1 HP
- 13b **10393** SS impeller, for 1½ HP
- 14 **10394** Shaft clip
- 15 **10210** Backplate
- 16 **10427** 4" o-ring
- 17 **10520** SS housing, for 1 HP
- 17a **10421** SS housing, for 1½ HP



Replacement Rebuild Kit for D-Style Kleen Flo® #10395

INCLUDES:

- 10428** (#10) rubber seal
- 10426** (#11) carbon seal
- 10427** (#16) 4" o-ring

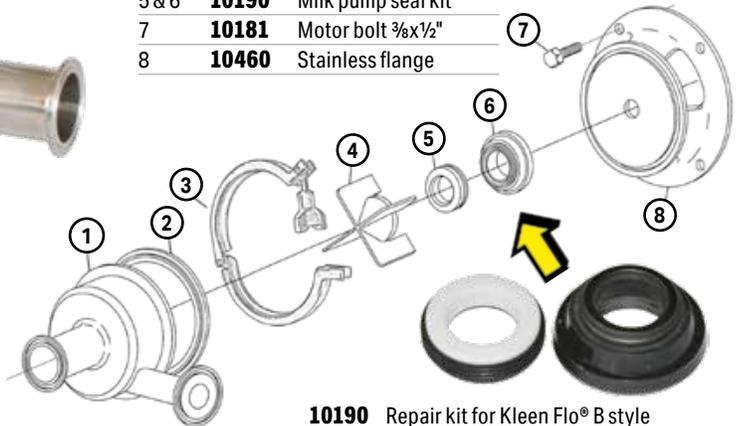


10395

Illustration pg. 159



- 1 **10180** Stainless housing
- 2 **54325** 4" Tri clamp gasket
- 3 **17232** 4" Heavy-duty clamp
- 4 **10510** Stainless impeller
- 5 & 6 **10190** Milk pump seal kit
- 7 **10181** Motor bolt 3/8x1/2"
- 8 **10460** Stainless flange



10190 Repair kit for Kleen Flo® B style and BouMatic® Milk Pumps
INCLUDES: Ceramic and Carbon Seals

- 10185** 4" replacement B-style Kleen Flo® milk pump, with 1 HP MAGNETEK single phase motor
- 10184** 4" replacement B-style Kleen Flo® milk pump, less motor
- 10186** 4" replacement B-style Kleen Flo® milk pump, with 1 HP STERLING single phase motor
- 10187** 4" replacement B-style Kleen Flo® milk pump, with 1 HP STERLING 3 phase motor

Replacement Ben Anderson® Style Milk Pump and Parts

Illustration pg. 162



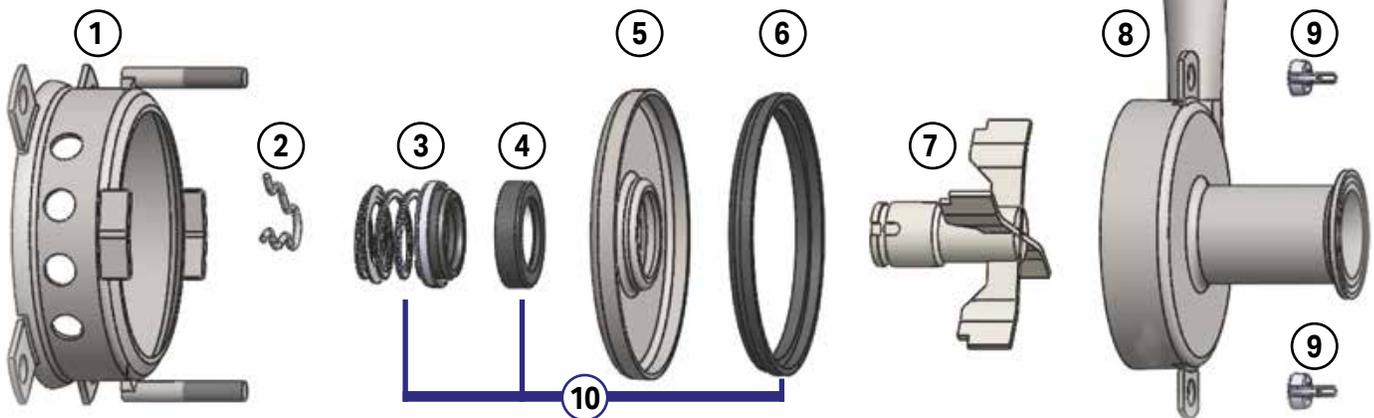
59910 Ben Anderson milk pump, with 4 blade impeller 1 1/2 x 1 1/2



14768 Repair kit for new style Anderson pump

- 1 **59911** Adaptor
- 2 **14758** Cotter pin clip
- 3 **14770** Rotating head assembly
- 4 **14757** Ceramic and rubber seal
- 5 **59913** Backplate
- 6 **14766** New style body gasket

- 7 **59912** Impeller
- 8 **59915** Housing
- 9 **59917** Wingnut
- 10 **14768** Repair kit for new style Anderson pump,
INCLUDES: #'s 3, 4 & 6



Illustrations pgs. 160-161



- These are direct replacement and interchange with original Thomsen®
- A quality built pump suitable for most applications.
- Known to be a dependable milk pump in the dairy industry.
- Additional configurations available upon request.
- All pumps listed are without motors.
- Pumps can be ordered and shipped fully assembled with motor.
- Left/Right hand discharge determined by facing inlet.

Please call our Pump Division at 1-888-304-6276 for technical support.

Part#	Model	Inlet	Outlet	Impeller	Shaft	Discharge	RPM	Seal	Motor
1HP									
59700	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Standard	3450	Ext.	56-C
59701	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Reduced	3450	Ext.	56-C
1½ HP									
59704	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Standard	3450	Ext.	56-C
59705	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Reduced	3450	Ext.	56-C
2 HP									
59708	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Standard	3450	Ext.	56-C
59710	#4	1.5"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Standard	3450	Ext.	145-TC
59707	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Reduced	3450	Ext.	56-C
59706	#4	1.5"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Reduced	3450	Ext.	145-TC
59709	#4	2"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Standard	3450	Ext.	56-C
59711	#4	2"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Standard	3450	Ext.	145-TC
59730	#4	2"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Reduced	3450	Ext.	145-TC
59712	#4	2"	2"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Standard	3450	Ext.	145-TC
59703	#4	2"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Reduced	3450	Ext.	56-C
2 HP Lefthand Discharge									
59732	#4	1.5"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Reduced	3450	Ext.	56-C
59733	#4	1.5"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Reduced	3450	Ext.	145-TC
59736	#4	1.5"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Standard	3450	Ext.	145-TC
59731	#4	2"	1.5"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Reduced	3450	Ext.	145-TC
59734	#4	2"	1.5"	3 ⁷ / ₈ "	5 ⁸ / ₈ "	Reduced	3450	Ext.	56-C
59735	#4	2"	2"	3 ⁷ / ₈ "	7 ⁸ / ₈ "	Reduced	3450	Ext.	145-TC
<i>Note: 1.5" x 1.5" left hand housing now available in full discharge upon request</i>									
2 HP									
59713	#5	2"	1.5"	4 ¹ / ₈ "	7 ⁸ / ₈ "	Standard	3450	Ext.	145-TC
59714	#5	2"	2"	4 ¹ / ₈ "	7 ⁸ / ₈ "	Standard	3450	Ext.	145-TC



NOTE: #4 pumps are available with a reduced discharge port to use a rubber flapper check valve

Illustration pg. 160

Part#	Model	Inlet	Outlet	Impeller	Shaft	Discharge	RPM	Seal	Motor
3HP									
59715	#5	2"	1.5"	4 $\frac{3}{8}$ "	7 $\frac{1}{8}$ "	Standard	3450	Ext.	145-TC
59717	#5	2"	2"	4 $\frac{3}{8}$ "	1 $\frac{1}{8}$ "	Standard	3450	Ext.	182-TC
59718	#5	2"	2"	4 $\frac{3}{8}$ "	7 $\frac{1}{8}$ "	Standard	3450	Ext.	145-TC
59719	#5	2"	1.5"	4 $\frac{7}{8}$ "	1 $\frac{1}{8}$ "	Standard	3450	Ext.	182-TC
59723	#6	2"	1.5"	4 $\frac{5}{8}$ "	7 $\frac{1}{8}$ "	Standard	3450	Ext.	145-TC
59721	#6	2"	1.5"	4 $\frac{7}{8}$ "	7 $\frac{1}{8}$ "	Standard	3450	Int.	145-TC
59720	#6	2"	2"	4 $\frac{7}{8}$ "	7 $\frac{1}{8}$ "	Standard	3450	Int.	145-TC
59722	#6	2"	2"	5 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	Standard	1800	Int.	182-TC
59728	#6	2"	2"	5 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	Threaded	1800	Ext.	182-TC
59729	#6	2"	2"	5 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	Threaded	1800	Int.	182-TC
5HP									
59680	#5	2"	2"	4 $\frac{3}{8}$ "	1 $\frac{1}{8}$ "	Standard	3450	Ext.	184-TC
59716	#5	2"	2"	4 $\frac{7}{8}$ "	1 $\frac{1}{8}$ "	Standard	3450	Int.	184-TC
59726	#6	2"	2"	5 $\frac{3}{8}$ "	1 $\frac{1}{8}$ "	Standard	3450	Int.	184-TC
59727	#6	2"	2"	5 $\frac{1}{8}$ "	1 $\frac{1}{8}$ "	Threaded	3450	Int.	184-TC
59740	#8	3"	2"	6 $\frac{7}{8}$ "	1 $\frac{1}{8}$ "	Threaded	3450	Int.	184-TC
59741	#8	3"	2"	6 $\frac{7}{8}$ "	1 $\frac{1}{8}$ "	Standard	1800	Int.	184-TC
7$\frac{1}{2}$HP									
59739	#8	3"	2"	7 $\frac{5}{8}$ "	1 $\frac{1}{8}$ "	Threaded	1800	Int.	215-TC
59742	#8	3"	2"	7 $\frac{5}{8}$ "	1 $\frac{3}{8}$ "	Standard	1800	Int.	213-TC
59745	#8	3"	2"	7 $\frac{5}{8}$ "	1 $\frac{3}{8}$ "	Threaded	1800	Int.	213-TC
10 HP									
59743	#8	3"	2"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Standard	1800	Int.	215-TC
59746	#8	3"	2"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Threaded	1800	Int.	215-TC
59747	#8	3"	2"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Thrd x Clamp	1800	Int.	215-TC
59748	#8	3"	2"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Clamp x Thrd	1800	Int.	215-TC
59738	#8	3"	2.5"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Standard	1800	Int.	215-TC
59744	#8	3"	3"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Standard	1800	Int.	215-TC
59749	#8	3"	3"	7 $\frac{7}{8}$ "	1 $\frac{3}{8}$ "	Clamp x Thrd	1800	Int.	215-TC



The Difference Between Reduced Discharge and Standard (Full Discharge)

- The reduced discharge allows a rubber check valve flapper to seal directly on the end of the outlet
- The standard discharge requires an in-line ball check valve
- The reduced discharge option is only available in the #4 pump
- Pumps #5, #6, and #8 are available in full discharge clamp or thread

Reduced Discharge



Requires rubber check valve

Standard (Full Discharge)



Requires in-line ball check valve

QUESTIONS? Contact John Lapp in our Pump Division: 888-304-6276

Adaptors



59775



59801

- 59775 For #4, 56-C/145-TC
- 59774 For #5, 56-C/145-TC
- 59777 For #5, 182-T/184-T
- 59776 For #6, 56-C/145-TC
- 59773 For #6, 182-T/184-T
- 59801 For #8, 215-T

Shafts



59786

For internal or external seal

- 59784 For #4, #5 & #6, - 5/8"
- 59786 For #4, #5 & #6, - 7/8"
- 59785 For #6, 1 1/8"
- 59766 For #8, 1 1/8"
- 59769 For #8, 1 3/8"

Set Screws



59792



59829

- 59792 For shaft, standard
- 59829 For shaft, for keyway - in 5/8" & 3/4"

Seal Kits



59750



59760

- 59750 For #4, #5 & #6, external seal
- 59756 For #4, #5 & #6, external seal w/ s/s wear ring
- 59760 For #4, #5 & #6, internal seal
- 59767 For #8, external seal
- 59763 For #8, internal seal
- 59770 Ceramic wear ring, for #4, #5 and #6
- 59771 Rotary seal, for #4, #5 and #6

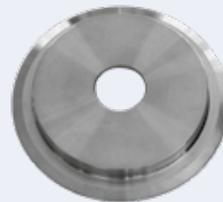
Clamps



59789

- 59789 For #4
- 59628 For #5
- 59827 For #6
- 59799 For #8
- 59535 T-Bolt, for clamp
- 59536 T-Handle, for clamp

Backplate



59782



59783

- 59782 For #4, external seal
- 59787 For #5, external seal
- 59791 For #6, external seal
- 59778 For #8, external seal
- 59783 For #4, internal seal
- 59828 For #5, internal seal
- 59797 For #6, internal seal
- 59768 For #8, internal seal

O-rings



59794
59795
59796

- 59794 For #4
- 59795 For #5
- 59796 For #6
- 59540 For #8

Impellers



59578



59657



59671

59576	For #4, 3 $\frac{3}{8}$ "
59577	For #4, 3 $\frac{3}{8}$ "
59578	For #4, 3 $\frac{3}{8}$ "
59651	For #5, 4 $\frac{1}{8}$ "
59652	For #5, 4 $\frac{3}{8}$ "
59650	For #5, 4 $\frac{5}{8}$ "
59654	For #5, 4 $\frac{7}{8}$ "

59662	For #6, 3 $\frac{3}{8}$ "
59659	For #6, 4 $\frac{3}{8}$ "
59660	For #6, 4 $\frac{5}{8}$ "
59655	For #6, 4 $\frac{7}{8}$ "
59656	For #6, 5 $\frac{1}{8}$ "
59658	For #6, 5 $\frac{3}{8}$ "
59657	For #6, 5 $\frac{5}{8}$ "

59664	For #8, 6 $\frac{1}{8}$ "
59667	For #8, 6 $\frac{3}{8}$ "
59668	For #8, 7 $\frac{1}{8}$ "
59669	For #8, 7 $\frac{3}{8}$ "
59670	For #8, 7 $\frac{5}{8}$ "
59671	For #8, 7 $\frac{7}{8}$ "

Impeller Clips

59765	For #4, #5 & #6
59764	For #8



59765

Housing/Head

Inlet / Outlet



59788-1



59800



59840

59788	For #4, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	clamp
59788-1	For #4, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	left hand discharge, clamp
59790	For #4, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	left reduced discharge, clamp
59825	For #4, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	reduced discharge, clamp
59826	For #4, 2" x 1 $\frac{1}{2}$ "	clamp
59822	For #4, 2" x 1 $\frac{1}{2}$ "	reduced discharge, clamp
59821	For #4, 2" x 2"	left reduced discharge, clamp
59823	For #4, 2" x 1 $\frac{1}{2}$ "	left reduced discharge, clamp
59780	For #4, 2" x 2"	clamp
59836	For #5, 1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "	clamp
59798	For #5, 2" x 2"	clamp
59800	For #5, 2" x 1 $\frac{1}{2}$ "	clamp

59824	For #6, 2" x 2"	clamp
59834	For #6, 2" x 1 $\frac{1}{2}$ "	clamp
59835	For #6, 2" x 2"	threaded
59832	For #8, 3" x 3"	clamp
59837	For #8, 3" x 2 $\frac{1}{2}$ "	clamp
59830	For #8, 3" x 2"	clamp
59833	For #8, 3" x 3"	threaded
59831	For #8, 3" x 2"	threaded
59839	For #8, 3" x 3"	threaded x clamp
59840	For #8, 3" x 2"	clamp x threaded
59841	For #8, 3" x 2"	threaded x clamp



Premium Efficient Stainless Steel Motors
Can be used on variable speed drives. Exceeds the demands of the dairy industry.
 Worldwide motors are built to handle high-pressure wash downs.

THREE PHASE – 208-230/460 Volt
 3450 RPM with base

21500	1 HP	5/8 keyed shaft	56 C
21501	1½ HP	5/8 keyed shaft	56 C
21502	2 HP	5/8 keyed shaft	56 C
21503	2 HP	7/8 keyed shaft	145TC
21535	3 HP	7/8 keyed shaft	145TC



Sterling Premium Stainless Steel Motors

THREE PHASE – 208-230/460 Volt
 3450 RPM with base

21598	1 HP	<i>Surge® replacement milk pump motor</i>	
21574	1 HP	<i>Threaded shaft motor for BM and UN</i>	

1800 RPM with base

21515	1 HP	5/8 keyed shaft	56 C
21516	1½ HP	5/8 keyed shaft	56 C
21517	2 HP	5/8 keyed shaft	56 C
21518	2 HP	7/8 keyed shaft	145TC

SINGLE PHASE – 120/240 Volt
 3450 RPM with base

21544	1 HP	5/8 keyed shaft	56 C
21545	1½ HP	5/8 keyed shaft	56 C

SINGLE PHASE – 240 Volt only / Reversible
 3450 RPM with base

White Epoxy coated Wash Down Duty with Stainless C-Face mount

21597	1 HP	<i>Surge® replacement milk pump motor</i>	
21575	1 HP	<i>Threaded shaft motor for BM and UN</i>	



21544



21575

**ROLLED STEEL MOTORS
 RUN COOLER THAN STAINLESS**

1 Year Warranty

C-Face Motors for Milk Transfer Pumps
Sterling Premium Stainless Steel Motors

Can be used on variable speed drives. Exceeds the demand of the dairy industry.

Sterling motors are built to handle high-pressure wash downs!
AVAILABLE IN 5 to 10 HP

THREE PHASE – 208-230/460 volt

With Base • Stainless Steel – TEFC

21538	3 HP	3600 rpm	1 1/8" keyed shaft	182-TC
21539	3 HP	1800 rpm	1 1/8" keyed shaft	182-TC
59850	5 HP	3600 rpm	1 1/8" keyed shaft	184-TC
59851	5 HP	1800 rpm	1 1/8" keyed shaft	184-TC
59853	7 1/2 HP	1800 rpm	1 3/8" keyed shaft	213-TC
59855	10 HP	1800 rpm	1 3/8" keyed shaft	215-TC



59853

Sterling Wash Down Duty Motors

THREE PHASE – 208-230/460 volt

With Base • White Epoxy Painted • TEFC

59842	5 HP	3600 rpm	1 1/8" keyed shaft	184-TC
59843	5 HP	1800 rpm	1 1/8" keyed shaft	184-TC
59845	7 1/2 HP	1800 rpm	1 3/8" keyed shaft	213-TC
59847	10 HP	1800 rpm	1 3/8" keyed shaft	215-TC



(PUMP NOT INCLUDED)

59847

Sterling Tank Washer Motors

SINGLE PHASE – 120/240 Volt

21578	3/4 HP motor with 56-J threaded shaft, 1 phase			
21579	1 1/2 HP motor with 56-J threaded shaft, 1 phase			
21579-WB	1 1/2 HP Sterling Stainless Steel 1 phase motor with base			
21619	Weld-on base for Sterling Stainless motor, 56-C			



21578



3 Phase Motors



**NEMA
Premium**

FEATURES

- Aluminum body motor
- Runs cooler than a stainless motor
- Washdown duty with a stainless steel shaft
- Inverter rated with a 15:1 constant torque for VFD use
- C-Face
- 208-230/460 Volt

Part #	HP	RPM	Frame
59861	1	3600	56-C
59872	1	1800	56-C
59862	1.5	3600	56-C
59863	2	3600	56-C
59864	2	3600	145-TC
59871	3	3600	56-C
59865	3	3600	182-TC
59866	3	1800	182-TC
59867	5	3600	184-TC
59868	5	1800	184-TC
59869	7.5	1800	215-TC
59870	10	1800	215-TC

2 Year Warranty



Single Phase Motors

FEATURES

- High efficiency dual cap design
- Stainless steel nameplate
- Powder-coated RAL7024 – graphite gray
- Full die-cast aluminum frame
- Solid state switch
- C-Face



21556

SINGLE PHASE – 120/240 Volt

21550	1 HP	5/8 keyed shaft	3450 RPM
21551	1½ HP	5/8 keyed shaft	3450 RPM
21556	2 HP	5/8 keyed shaft	3450 RPM
21557	2 HP	7/8 keyed shaft	3450 RPM



C-Face Motors for Milk Transfer Pumps

- TEFC
- 3 phase
- 208-230/460



59811	3 HP	3600 RPM	1 1/8" shaft	182-TC
59812	3 HP	1800 RPM	1 1/8" shaft	182-TC
59810	5 HP	3600 RPM	1 1/8" shaft	184-TC
59815	5 HP	1800 RPM	1 1/8" shaft	184-TC
59817	7 1/2 HP	1800 RPM	1 3/8" shaft	213-TC
59818	10 HP	1800 RPM	1 3/8" shaft	215-TC



Extra High Torque Farm Duty Motor

- 1.15 Service Factor
- TEFC
- Single phase
- 1800 RPM



59803	3 HP	1 1/8" shaft	184-TC
59805	5 HP	1 1/8" shaft	184-TC
59807	7 1/2 HP	1 3/8" shaft	215-TC
59809	10 HP	1 3/8" shaft	215-TC

A Motor Designed by A.O. Smith / Magnetek for Dairy Milk Pumps

FEATURES

- Wash Down Duty Motor
- Stainless Steel Shaft
- Weatherproof
- Permanent Split Capacitor
- TENV
- 3600 RPM
- Single Phase – **240 Volts ONLY**

FOR DELAVAL® MILK PUMPS

21583	1 HP	5/8" keyed shaft	B-583
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FOR BOUMATIC® MILK PUMPS

21584	1/2 HP	threaded shaft	B-584
21585	3/4 HP	threaded shaft	B-585
21586	1 HP	threaded shaft	B-586



21586

1 Year Warranty

MILK PUMPS & PARTS

ImPulse CL

The ImPulse CL milk pump controller system is an adjustable probe level VSD system. The ImPulse CL is a continuous level variable speed milk pump system using a 4-20ma signal with 1" resolution and is available in four sizes. The CL allows you to have different min/max speed settings for milk and wash which allows you to optimize your milk cooling capabilities and can be customized for each receiver. The CL offers an optional overflow alarm feature to alert you if the receiver starts to flood or if there are trip codes, as well as a clean-in-place (CIP) feature for positive displacement milk pumps.



Continuous Speed Milk Pump Controllers - Less Probe

Part#	HP	Volts	Phase
35150NP	2HP	230	Dual Rate 1 & 3
35160NP	2HP	460	3
35155NP	3HP	230	Dual Rate 1 & 3
35165NP	3HP	460	3
35170NP	5HP	460	3

Continuous Level Probe & Float

34902NP	24" length - 18" read range
34903NP	30" length - 24" read range
34904NP	40" length - 34" read range
34906NP	60" length - 54" read range
R03402NP	Sensing strip for 24" probe
R03403NP	Sensing strip for 30" probe
R03404NP	Sensing strip for 40" probe
R03406NP	Sensing strip for 60" probe
R03530NP	SS Float 1.4"
10101	Rubber 1 1/2" probe holder with 1/2" hole, for ImPulse CL and III

Control Relays - 6amp 250V

P29753NP	220V AC/DC
P29752NP	120V AC/DC
P29751NP	24V AC/DC
P29750NP	12V AC/DC

Miscellaneous Parts

29700NP	Shielded Power Cable for VSD - 16 AWG, 4 Conductor, 12A Cont - per foot
29710NP	18/2 Shielded control cable, per foot
R35505NP	Deluxe overflow alarm, amber strobe
R35506NP	Deluxe overflow alarm, red strobe
R35510NP	Economy overflow alarm, red LED & audible tone
R03517NP	IDEC rotary DP-DT switch
R03518NP	IDEC push button momentary DP-ST switch

Probe Assemblies and Parts for ImPulse III

35002NP	24" Probe assembly
35003NP	30" Probe assembly
35001NP	40" Probe assembly
35006NP	60" Probe assembly
R03509NP	1.5" SS Float with Magnet, 1.5" OD x 1.5" ID x 0.555" ID

Impulse CL Replacement Inverters (Less Keypad)

R03630NP	2HP 230V CL Inverter Only 1 & 3 Phase
R03631NP	3HP 230V CL Inverter Only 1 & 3 Phase
R03632NP	2HP 460V CL Inverter Only 3 Phase
R03633NP	3HP 460V CL Inverter Only 3 Phase
R03634NP	5HP 460V CL Inverter Only 3 Phase



R35505NP



35002NP



WD4X

Milk Pump Phase Converter

FEATURES

- Installs between the current LLC board and the motor.
- This inverter can be used on any LLC system without the need to change the probe or LLC board.
- Single Phase motors can be a challenge because of repetitive start up in a milk receiver system.
- Installing this inverter means you can now use a 3-phase motor on a single phase system, thus eliminating switch and capacitor problems and also provides a soft start.
- Motor speed can be adjusted to reduce milk flow speed to better maximize the benefits of a plate cooler.



21682

Inverter for milk pump motor
Single phase input to 3 phase output, up to 2 HP motor, WD4X, Nema 4 enclosure

Definite Purpose Contactors



20320

2 Pole

Part#	FL Amps	Coil Voltage
20319	30	208-230
20320	30	110-120
20321	30	24

FEATURES

- Cushioned, isolated coil reduces vibration & noise
- Large terminals for easy wiring
- Universal mounting backplate



20309

3 Pole

Part#	FL Amps	Coil Voltage
20317	30	110
20318	40	240
20312	40	110
20311	50	240
20310	50	110
20309	50	24
20314	60	220
20315	60	110

Surge



10730 Milk Pump housing,
with Surge ferrule - right hand

10732 Milk Pump housing,
with Tri clamp ferrule - right hand

10733 Milk Pump housing,
with Surge ferrule - left hand

10734 Milk Pump housing,
with Tri clamp ferrule - left hand



10729
4 Blade Impeller,
for Surge® milk pump



10725
New Style backplate
for Surge® Milk Pump

BouMatic



10511
Impeller
for 3" Boumatic® milk pump

SP-41



59901
Shaft for SP-41 milk pump, 5/8" keyed



59905 Replacement shaft
for SP-51 milk pump, 7/8" keyed

59906 Replacement shaft
for SP-51 milk pump, 5/8" keyed

59904 Replacement retaining pin
for SP-51 milk pump shaft

Sta-Rite



59892
3 Blade Impeller
for Sta-Rite® milk pump



59886
O-ring
for U/N, Sta-rite® & Ben Anderson® milk pumps

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Universal



59882
Backplate
for U/N milk pump



59880
Seal for U/N milk pump



59881
Housing gasket
for U/N milk pump



59886
O-ring
for U/N, Sta-rite® & Ben Anderson® milk pumps

Transfer Hose and Fittings

Hose and fittings custom made to size and specification.
Available in 1.5", 2", 2.5" and 3" Tri-Clamp Bevel Seat with nut.

Please call 1-888-304-6276 for a quote

FEATURES & ADVANTAGES:

- Extreme Flexibility – Designed for maximum flexibility, bends easy around tanks and equipment
- Temperature range – Low -22 degrees (F) / High 226 degrees (F)
- Smooth cover – Designed for easy cleaning, no gaps or crevices for dirt or bacteria to hide
- Can be used for CIP with the pressed-on KOA sanitary fittings.



59820
Stainless steel cart
for 3 to 10 HP



59860
Stationary pump stand
for 5 to 10 HP motors



KOA Fittings
Every KOA Sanitary Fitting
is certified to meet the 3-A
Sanitary Standard for
Sanitary Fittings.

Economy Hose and Fittings

PVC clear standard hose with white helix
smooth wall – max temp. = 130 degrees



59501

Hose

59500	1.5"
59501	2"

T-Bolt clamps

59503	1.5"
59504	2"



59480

Fittings

59469	1½" bevel seat adapter, with nut x 1½" flared hose end
59470	2" bevel seat adapter, with nut x 2" flared hose end
59471	3" bevel seat adapter, with nut x 2" flared hose end
59472	3" bevel seat adapter, with nut x 3" flared hose end
59479	1½" tri-clamp adapter x 1½" flared hose end
59480	2" tri-clamp adapter, x 2" flared hose end
59481	3" tri-clamp adapter, x 2" flared hose end
59482	3" tri-clamp adapter, x 3" flared hose end

- 78470** 4" Vacuum Drain Valve
- 78471** Diaphragm for 4" drain valve
- 78473** 3/8" Clear hose for vacuum drain valve (per foot)
- 78474** 7/16" Clear hose for vacuum drain valve (per foot)
- 78460** 1 1/2" elbow with 3/8" ID nipple and drain valve assembly
- 78459** 2" elbow with 3/8" ID nipple and drain valve assembly

Drain Valve Elbows

- 78465** 1 1/2" elbow with 3/8" ID bottom outlet
- 78466** 1 1/2" elbow with 1/2" ID bottom outlet
- 78467** 1 1/2" elbow with 5/8" ID bottom outlet
- 78431** 1 1/2" elbow with 1/2" ID left handed outlet
- 78432** 1 1/2" elbow with 1/2" ID right handed outlet
- 78433** 1 1/2" elbow with 5/8" ID right handed outlet
- 78433-1** 1 1/2" elbow with 5/8" ID left handed outlet
- 78437** 1 1/2" elbow with 1/2" ID parallel outlet
- 78434** 2" elbow with 1/2" ID left handed outlet
- 78435** 2" elbow with 1/2" ID right handed outlet
- 78439** 2" elbow with 1/2" ID parallel outlet
- 78462** 2" elbow with 3/8" ID bottom outlet
- 78463** 2" elbow with 1/2" ID bottom outlet for drain valve
- 78464** 2" elbow with 5/8" ID bottom outlet for drain valve



- Works with a 3/8" ID hose
- Overall diameter 4 1/2"
- Bottom nipple is 3/8" OD



Plastic Pneumatic Hose Shutoffs

- 21880** For 5/8" ID with plastic barb connection
- 21882** For 5/8" ID with 5/32" connection
- 21890** For 3/4 - 7/8" ID with 5/32" connection
- 21892** For 3/4 - 7/8" ID with 1/4" connection
- 21895** Rubber Boot for pneumatic hose shutoff
- 21896** Holder for pneumatic hose shutoff
- 21897** 3 pc repair kit for pneumatic hose shutoffs

- 78483** Large pinch clamp valve, vacuum operated, for 3/8" to 7/8" rubber or silicone hose
- 78484** Rubber boot cover for 78483 drain valve
- 78485** Large pinch clamp valve, vacuum operated, with 1 1/2" elbow with 5/8" nipple
- 78488** Rubber Strap, for Black Plastic Drain Valve
- 78487** U-cup seal, for high capacity black plastic drain
- 78476** Diaphragm only, for stainless pinch valve
- 78450-1** 1 1/2" elbow, with 3/8" ID nipple, with 78483 pinch clamp valve
- 78454-1** 1 1/2" elbow, with 5/8" ID nipple, with 78483 pinch clamp valve



1 1/2" Milk Pump Flapper Valves

- 10415** Stainless flapper valve seat for milk pump check valve
- 10416** Rubber check valve for D style milk pump
- 10418** Rubber check valve for Surge®
- 10417** Small tri-clamp rubber check valve
- 10419** Large tri-clamp rubber check valve



- Ball Sizes:**
- For 1 1/2" valve 1 3/8"
 - For 2" valve 1 7/8"

Stainless Milk Pump Check Valves & Replacement Parts

- 10438** 1 1/2" SS check valve, with pin & ball
- 10438-1** 1 1/2" SS check valve, with rubber coated ss ball
- 10439** Ball only, for 1 1/2" check valve assembly
- 10439-1** Rubber coated SS ball, for 1 1/2" check valve 10436 - Retaining clip, for 1 1/2" milk pump check valve
- 10465** 2" SS check valve, with pin & ball
- 10467** Ball only, for 2" check valve
- 10466** Retaining clip, for 2" milk pump check valve



Restrictor Discs

- 10468** Stainless 1 1/2" restrictor disc, with 1/8" pilot hole
- 10469** Stainless 2" restrictor disc, with 1/8" pilot hole

Kleen Flo® Milk Filter Assemblies

These side discharge filter assemblies are sold complete with the o-ring, flat white gasket and heavy duty clamp.

All Kleen Flo® milk filter assemblies are closed bottom strainers, and require the sock filter

3 x 23½" Side Discharge Filter

- 10320** 3" x 23" x 1½" Filter assembly
 - 10322** 3" x 23" Stainless filter insert
 - 10321** 3" x 23½" Stainless filter body
 - 10318** O-ring for 3 x 23½"
 - 10319** White flat seal gasket for 3 x 23½"
 - 54328** 2½" Pipeline gasket
 - 10132** 2½" heavy duty clamp
-
- 10317** Replacement silicone o-ring for BM side discharge 1.725" id x 2.145" od .210 wall

4⅞" Side Discharge Filters for 17" & 33"

- 20738** 4⅞" x 17" x 1½" Filter assembly
- 20733** 4⅞" x 33" x 1½" Filter assembly
- 20752** 4⅞" x 33" x 2" Filter assembly
- 20728** 4⅞" x 33" Stainless filter insert
- 20742** 4⅞" x 17" Stainless filter insert

WHITE GASKET STYLE

Parts for 4" Side Discharge Filter

- 20731** White flat seal gasket for 4"
- 20732** Two tabbed o-ring for 4"
- 54325** 4" Pipeline gasket
- 17232** 4" Heavy-duty clamp



Stainless Front End Filter Dispensers



20794



20748

Spring Loaded Hinges

- 20794** For 2¼" x 24" up to 3" x 23½" filters
- 20745** For up to 4⅞" x 36" filters
- 20748** For up to 4⅞" x 17" filters
- 20747** Black knob for filter dispenser
- 20746** SS spring for filter door dispenser



20746

Filter Assemblies

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- 38590** 6" inline filter assembly, 5/8" ID ports
- 38591** 6" inline filter assembly, 3/4" ID ports
- 38594** Spring, for 6" assembly
- 38595** 6" inline filter body, only

- 38600** 12" inline filter assembly, 5/8" ID ports
- 38601** 12" inline filter assembly, 3/4" ID ports
- 38604** Spring, for 12" assembly
- 38605** 12" inline filter body, only

- 38610** 24" inline filter assembly, 5/8" ID ports
- 38612** 24" inline filter assembly, 3/4" ID ports
- 38614** 24" inline filter assembly, 7/8" ID ports
- 38616** Spring, for 24" assembly
- 38617** 24" inline filter body, only



19547
1" rubber filter grommet
(Used in our assemblies)



19549
1 1/2" rubber filter grommet

Parts for Open Bottom Straight Through Filters



20737
Top rubber discharge cap for 4 7/8" tube filter, *O/S smooth version*



20734
Top discharge cap for 4 7/8" tube filter



20736
Bottom discharge cap for 4 7/8" tube filter, *N/S ribbed*



20735
Bottom discharge cap for 4 7/8" tube filter, *O/S smooth*

Stainless Light Duty Strainer

- 20780** Light Duty Stainless Strainer
INCLUDES:
inside mesh strainer, o-ring and box of 100 filter disks

- 20781** O-Ring

- 20782** Stainless screen

- 20783** 6 1/2" filter disk for milk strainer (box of 100)

- 20784** Stainless ring with handle for #20780 strainer



COMES WITH A BOX OF FILTERS

Great For The Hobby Farmer!

Sold in Case Lots Only

Ultra Flow

81000	2" x 24" Socks	D588	100 per box / 6 boxes per case
81001	2 1/4" x 12" Socks	D584	100 per box / 12 boxes per case
81002	2 1/4" x 24" Socks	D589	100 per box / 6 boxes per case
81003	2 1/2" x 24" Socks	D590	100 per box / 6 boxes per case
81004	2 3/4" x 23 1/2" Socks	D591	100 per box / 6 boxes per case
81005	3 1/4" x 22" Tubes	D522	100 per box / 10 boxes per case

Low Pressure

81007	2 1/4" x 12" Socks	D567	100 per box / 12 boxes per case
81008	2 1/4" x 24" Socks	D568	100 per box / 12 boxes per case

Filter Rolls & Strips

81020	18" x 200' Rolls, Non Gauze	D610	1 roll per box / 6 boxes per case
81021	12" x 15" Strips	D666	100 per box / 10 boxes per case

Disks

81023	6" Non-Gauze	D107	100 per box / 36 boxes per case
81024	6 1/2" Non-Gauze	D110	100 per box / 36 boxes per case
81027	15" Milk Transfer System	D532	100 per box / 10 boxes per case

Break Proof Tubes

81031	4 7/8" x 17"	D547	50 per box / 10 boxes per case
81032	4 7/8" x 33 1/2"	D538	50 per box / 9 boxes per case
81033	4 7/8" x 36"	D539	50 per box / 6 boxes per case

Break Proof Socks

81036	2" x 24"	D576	100 per box / 6 boxes per case
81037	2 1/4" x 12"	D579	100 per box / 12 boxes per case
81038	2 1/4" x 24"	D577	100 per box / 6 boxes per case
81039	3" x 23 3/8"	D572	100 per box / 6 boxes per case
81043	4 7/8" x 33 1/2"	D548	50 per box / 9 boxes per case
81044	4 7/8" x 36"	D549	50 per box / 9 boxes per case
81045	4 7/8" x 17"	D546	50 per box / 10 boxes per case

FREE SHIPPING
ON 25 OR MORE CASES
KENAG PRODUCTS
IN USA ONLY



Sold in Case Lots Only

Tuffy Pipeline Socks

81300	2 1/4" x 6"	4199.0635	100 per box / 10 boxes per case
81301	2 1/4" x 12"	4153.0636	100 per box / 12 boxes per case
81302	2" x 24"	4179.0637	100 per box / 6 boxes per case
81303	2 1/4" x 24"	4185.0637	100 per box / 6 boxes per case
81304	2 3/4" x 23 1/2"	4174.0630	100 per box / 5 boxes per case
81305	3" x 23 1/2"	4175.0630	100 per box / 5 boxes per case
81307	4 7/8" x 17"	4197.0666	50 per box / 9 boxes per case
81308	4 7/8" x 28"	4190.0666	50 per box / 9 boxes per case
81309	4 7/8" x 33 1/2"	4192.0666	50 per box / 9 boxes per case
81310	4 7/8" x 36"	4194.0666	50 per box / 9 boxes per case

End-O-Line

81312	3 1/4" x 12" Flannel Socks	4231.8066	50 per box / 9 boxes per case
81317	2 3/16" x 24" Flannel Pipeline Socks	4182.8030	600 per box / 1 boxes per case

Tuffy Pipeline Sleeves

81318	3 5/16" x 22 1/4"	4603.0630	100 per box / 5 boxes per case
81319	4 7/8" x 17"	4196.0666	50 per box / 9 boxes per case
81320	4 7/8" x 33 1/2"	4643.0666	50 per box / 9 boxes per case
81321	4 7/8" x 36"	4605.0666	50 per box / 9 boxes per case

Tuffy Discs

81323	4 9/16"	4198.0649	200 per box / 18 boxes per case
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Filter - Clean Discs

81324	6 1/2"	4103.1444	100 per box / 36 boxes per case
81325	Half Case 6 1/2"	4103.1441	100 per box / 18 boxes per case
81328	15"	4121.1435	100 per box / 10 boxes per case

Fast Stuff Roll

81329	12" x 200'	5224.0701	1 per box / 6 boxes per case
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Perfect-Fit

81334	24" Coil & Retainer Kit, Tri-Clamp	4801.0072	1 per box / 1 box per case
81336	Retainer Only, Tri-Clamp	4804.0099	1 per box / 1 box per case



Eco Plate Coolers

Part#	Description	Milk cooled per hour (Gals. Lbs.)		Gallons of water needed for max. gallons of milk
21010	31 - Plate Single Pass	450	3,870	1,350
21012	55 - Plate Single Pass	950	8,170	2,850
21014*	55 - Plate Dual Pass	450	3,870	1,350

Eco Parts

21016	Eco plate, with gasket
21018	Eco Inlet/outlet gasket
20807	Bracket, for Plate Cooler
21017	Eco Plate gasket, only



- A more economical, all stainless, plate cooler
- Dual water ports for better cooling efficiency*
- Bracket included
- 1" NPT water
- 1½" Tri clamp milk inlets

Plate Cooler Parts



10685



20825



40114-1NP

21026	¾" EZ external water solenoid valve,	120V AC
21027	1½" EZ external water solenoid valve,	120V AC
21028	1" EZ solenoid valve,	24V DC
21028-1	1" EZ solenoid valve,	12V DC
21029	1" EZ solenoid valve,	24V AC
21030	1" EZ solenoid valve,	120V
21031	1" EZ solenoid valve,	240V
40114NP	¾" Dema solenoid valve NPT,	120V AC
40122NP	¾" Dema solenoid valve NPT,	230V AC
21032	Coil only, for EZ solenoid valve,	120V

40114-1NP	Stainless Water Valve 1" NPT Port,	120V AC
40114-2	Diaphragm kit for water valve	
21033	Coil only, for EZ solenoid valve,	240V
21042	Coil wire connector, for 1" solenoid valve	
21044	Wire connector, for coil on a 1" solenoid valve	
21034	Rebuilt kit, for EZ ¾" & 1" solenoid valve	
20825	Stainless 1½" woven mesh screen	
10685	Stainless 1½" perforated screen/gasket	
20849	5 oz. tube of 1099 adhesive, for plate cooler	

Parts for Skellerup M-Style Plate Cooler

20961	Inlet/outlet gasket, for M-Series plate cooler
20965	Plate with Gasket, for M-Series plate cooler
20963	Plastic spacer ring, for M-Series plate cooler

Dumping Stations & Parts

Parts for Glass Quart Jar Moisture Trap

- 10439** Ball, for trap
- 20237** Glass quart jar, with drain hole
- 20248** Rubber drain check valve

Pumping/Dumping Station and Parts

- 38700** Pumping station, with BA milk pump, 1HP Electric motor
- 38750** Pumping station, with BA milk pump, 1HP Air motor
- 38147** Dumping station wheel, small (requires 1 per station)
- 38149** Dumping station wheel, large (requires 2 per station)
- 38207** Hose dryer motor, 95 CFM
- 10299** 1/2" Collar, for dumping station shaft
- 23251** 5" Dumping station ball
- 23252** 6" Plastic trap ball
- 38205** Dumping station hose hooks

Releaser Jar Parts

- 38213** White cylinder gasket, for 1600 or 1800 releaser
- 38220** Clear elbow with thread, 5/8", for 1800 releaser
- 38215** Blue elbow with 3/8" ID, 1/2" thread, for 1800 releaser
- 38211** Rubber seal, for releaser rod
- 56217** Jar bracket gasket
- 56224** Restrictor with red cap, for Bender releaser
- 56225** Red cap

Check Valves for Releasers and Parts

- 38500** 1" x 1 1/2" x 1" OD assembly, for drain hose
- 38525** 1 1/2" glass to 5/8" ID s/s assembly, for large Bender releaser
- 38527** 1 1/2" glass to 3/4" ID s/s assembly, for large Bender releaser
- 38545** 1 1/2" x 1 1/2" x 1 1/2" tee assembly, for small Bender releaser
- 38532** 1 1/2" Tri-clamp x glass fitting ss check valve body only, for large Bender releaser
- 10419** 1 1/2" Rubber flapper valve, for tri clamp fitting (large)
- 10415** Stainless flapper valve seat, for 1 1/2"



38700 & 38750

INCLUDES:

- 61299** - bracket
- 38612** - inline filter assembly



38612



38207



38100

Stainless moisture trap assembly for Bender Releaser



38532

Sputnik Wheels

- 70104** Air tire for back wheels, standard
- 38145** Bearing for air tire, 3/4"
- 38182** Hard swivel wheel with plate
- 38187** Front wheel with bearing, no plate

Sputnik Miscellaneous Parts

- 38191** Pipe o-ring
- 38190** V-type lid gasket
- 38189** O-ring type lid gasket
- 38192** Grommet
- 38202** 1 1/2" hose clamp with washer, for Sputnik grommet
- 38196** Drain gaskets, 1 1/2" thicker style
- 38196-1** Drain gaskets, 1 1/2" thinner style
- 38197** Drain gaskets, 2" thicker style
- 38197-1** Drain gaskets, 2" thinner style
- 38199** Drain gasket, 3"



78428

Replacement drain tube, for Surge® Fast Flow drain



78414

Replacement rubber drain elbow for DeLaval® Milk Pump

CIPs and Parts

These heavy-duty all stainless CIP racks are designed to fit almost any style of claw, including the 300cc or the Harmony®.

Heavy Duty Rack

- 10240** Heavy-duty CIP rack, *only*
- 10250** Complete assembly, less u-bolts, with WJ-GT cups for O6 shell
- 10252** Complete assembly, less u-bolts, with WJ-S cups for BM, Surge® & UN
- 10255** Complete assembly, less u-bolts, with JC cups for Evolution
- 10256** Complete assembly, less u-bolts, with WJ-G cups
- 10248** U-Bolt assembly, (2" ID x 3" long – 2 needed)

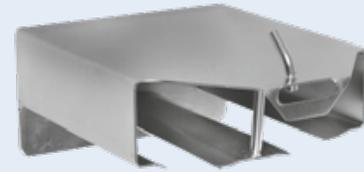
Light-Duty Rack

- 10235** Light-duty wire style CIP rack, *only*
- 10234** Complete assembly, with JC cups for Evolution
- 10236** Complete assembly, with WJ-GT cups for O6
- 10237** Complete assembly, with WJ-S cups for BM & Surge®
- 10239** Complete assembly, with WJ-G cups

Conewango Jetter Cups ONLY

for Heavy-Duty, Light-Duty and Drawer Style CIP Racks

- 25160-1** For DL (WJ-GT), Replaces 7350 & 27325
- 25161-1** For BM, Surge, Vision (WJ-S), Replaces 7330, 7340, & 7322
- 25163-1** For large bore (WJ-G), Replaces 7360
- 25170** For Evolution (JC)

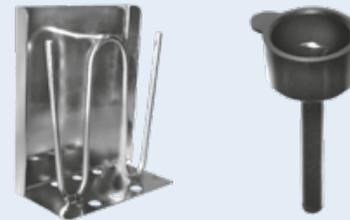


U-bolts to mount the racks are sold separately
2 needed per rack

CIP Rack Assemblies

INCLUDES:

Stainless CIP tee, duckbill drain
and 4 jetter cups



Kleen Flo® Drawer Style CIP Rack and Parts

Compact, high quality, stainless steel Drawer style CIP with excellent drainage. The rubber cups are a sturdy "snap in" style for quick attachment and removal. The bottom slot openings allow exceptional drainage.

- 10261** Complete CIP Rack assembly, with WJ-GT rubber cups for DL, tee and duckbill
- 10262** Complete CIP Rack assembly, with WJ-S rubber cups for BM, tee and duckbill
- 10263** Complete CIP Rack, with JC cups for Evolution
- 10265** Drawer style CIP rack, *only*
- 10268** Black knob, for drawer
- 10269** Stop guide, for drawer
- 25160-1** Jetter cup, for DL (WJ-GT), Replaces 7350 & 27325
- 25161-1** Jetter cup, for BM, Surge®, Vision (WJ-S), Replaces 7330, 7340, & 7322
- 25170** Conewango Jetter cup, for Evolution (JC)



Drawer size
12" long
8½" wide
2¼" deep

Notched Design
Keeps Drawer in Place



10361

CIP Distributor Tee
in line



10364

CIP Distributor
without tee



10360

CIP Distributor Tee,
out of line



54589

Stainless tee
5/8" ID- 3/4" OD

Not Shown

10362

CIP Distributor Tee
Vented 0.078, #47, out of line



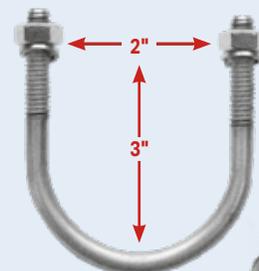
18037
Duckbills



59206

Plastic
Restrictors
for CIP Tee

NEW DESIGN!



10248

Stainless U-Bolts
with nuts and washers
(2 needed per rack)



25168

Old Style Replacement
Jetter Cup
for DL wash rack (7310)

Under Curb Sliding CIP

Illustrations pg. 163

Assembly, with blocks - less Mounting Plate

NEW Part#	Description
10271-49.5MM	49.5MM under curb mount sliding CIP rack
10271-50.5MM	50.5MM under curb mount sliding CIP rack
10271-52MM	52MM under curb mount sliding CIP rack
10271-55MM	55MM under curb mount sliding CIP rack
10271-56.5MM	56.5MM under curb mount sliding CIP rack
10271-57MM	57MM under curb mount sliding CIP rack
10271-59MM	59MM under curb mount sliding CIP rack
10271-Custom	Custom under curb mount CIP rack

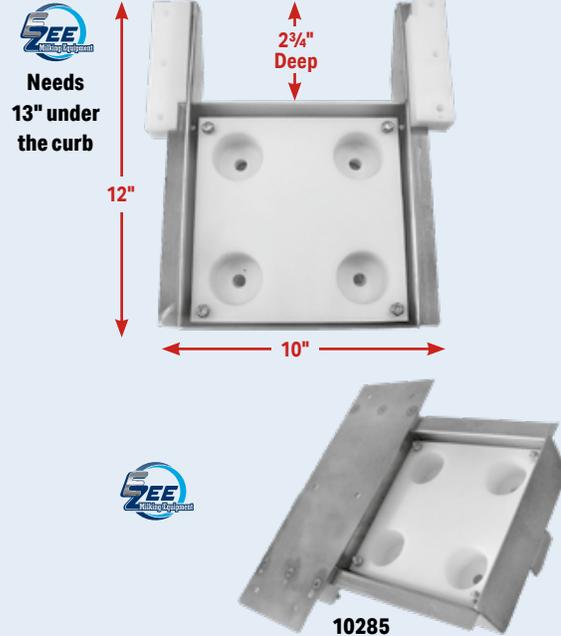
Blocks, Only

10280-49.5MM	49.5MM delrin block for under curb CIP
10280-50.5MM	50.5MM delrin block for under curb CIP
10280-52MM	52MM delrin block for under curb CIP
10280-55MM	55MM delrin block for under curb CIP
10280-56.5MM	56.5MM delrin block for under curb CIP
10280-57MM	57MM delrin block for under curb CIP
10280-59MM	59MM delrin block for under curb CIP

Miscellaneous Parts

10286	Set of 2 mounting slides
10273	Drain assembly, for Drawer or Fold Down CIP rack
10285	Stainless mounting plate, for Under Curb CIP rack

BLOCK Sizes are ACTUAL Sizes



Fold Down CIP

Illustrations pg. 163

Tray Assembly, with blocks

NEW Part#	Description
10291-49.5MM	49.5MM fold down CIP tray
10291-50.5MM	50.5MM fold down CIP tray
10291-52MM	52MM fold down CIP tray
10291-55MM	55MM fold down CIP tray
10291-56.5MM	56.5MM fold down CIP tray
10291-57MM	57MM fold down CIP tray
10291-58MM	58MM fold down CIP tray
10291-59MM	59MM fold down CIP tray
10291-Custom	Custom fold down CIP tray

Blocks, only

10301-49.5MM	49.5MM delrin block for fold down CIP
10301-50.5MM	50.5MM delrin block for fold down CIP
10301-52MM	52MM delrin block for fold down CIP
10301-55MM	55MM delrin block for fold down CIP
10301-56.5MM	56.5MM delrin block for fold down CIP
10301-57MM	57MM delrin block for fold down CIP
10301-58MM	58MM delrin block for fold down CIP
10301-59MM	59MM delrin block for fold down CIP

Miscellaneous Parts

10273	Drain assembly, for Drawer or Fold Down CIP rack
10298	Set of 4 stainless bolts & nuts for fold down & under curb CIP
10299	Stainless collar with setscrew for fold down CIP
10270	Delrin reducer for CIP from 57mm to 51mm
10279	O-ring
10297	Hose reducer, for fold down CIP, 1/2" x 5/8"
10296	Stainless elbow, for Fold Down CIP rack
10300	Setscrew, for Fold Down CIP block



Replacement Blocks for Fold Down GEA® Style Tray

NEW

- 10311 Fold down CIP block for GEA tray, fits Vision Shell - 57MM actual size
- 10312 Fold down CIP block for GEA tray, fits Proflex Shell - 55MM actual size
- 10316 Replacement fold down CIP block for GEA tray, custom size



- 10309 Custom fold down CIP block for GEA tray



Replacement H manifold for DL CIP

- 21775** Plastic H manifold, for fold down CIP for DL
- 21755** White radel CIP Rod, for H manifold
- 21756** Stainless CIP Rod, for H manifold
- 21761** Jetter cup for DL H block, for BM shell (7313)
- 21760-1** Jetter cup for DL H block, for Evolution & 06 shell (WC), Replaces 7312
- 21754** Replacement cable, for H manifold



Hand Sink

- Holds 4.5 gallons
- Dimensions 17¼"W x 16¼"L x 6½"D

- 78280** Complete hand sink, with mounting bracket, faucet and drain
- 78284** Faucet for hand sink
- 21385** Drain assembly, with rubber stopper, 1¼" threads



White Nylon Wash Plugs



3"

- 78405** 4 piece - 3" wash plug set, less tee
INCLUDES: 2 gaskets, 1- short plug and 1- long plug
- 78400** 5 piece - 3" wash plug set
INCLUDES: 1- 3" tee, 2 gaskets, 1- short plug and 1- long plug
- 54329** 3" Pipeline gasket
- 54313** 3" Tri clamp tee
- 78406** Short 3" wash plug
- 78407** Long 3" wash plug



2"

- 78392** 4 piece 2" wash plug set, less tee
INCLUDES: 2 gaskets, 1- short plug and 1- long plug
- 78390** 5 piece 2" wash plug set
INCLUDES: 1- 2" tee, 2 gaskets, 1- short plug and 1- long plug
- 54327** 2" Pipeline gasket
- 54312** 2" Tri clamp tee
- 78394** Short 2" wash plug
- 78395** Long 2" wash plug

Milk Wash Diverter Valves

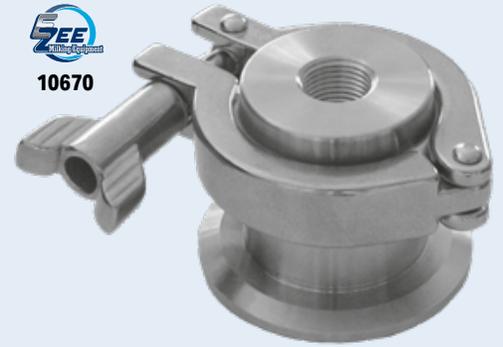


- 78365** Stainless 2"
- 78367** Stainless 2½"
- 78369** Stainless 3"
- 78371** Stainless 4"

Air Blow Valve and Parts

Illustrations pg. 164

- 10668** 1½" Air blow valve, for 1½ check Y, ¾" NPT
- 10670** 2" Air blow valve, for 1½ check Y, ¾" NPT
- 10672** 2½" Air blow valve, for 2" Y check, ¾" NPT
- 10674** Stainless top, for 2" & 2½" air blow valve
- 10677** Spring, for 2" & 2½" air blow valve
- 10678** Stainless clip, for 2" & 2½" air blow valve
- 10685** Stainless 1½" perforated screen/gasket
- 10695** Stainless 2" perforated screen/gasket
- 10681** Rubber shutoff, with stem, for 1½", 2" & 2½" air blow valve
- 10687** 1½" filter (pack of 10), for 2" & 2½" air blow valve
- 10683** Plastic holder, for 2" & 2½" air blow valve
- 17130** 1½" Heavy-duty clamp



10471

Y Check Valves

EPDM Gasket, PTFE Ball, 316L

- 10471** 1.5" Clamp Y ball Check Valves, 316L, Two pc. design
- 10472** 2.0" Clamp Y ball Check Valves, 316L, Two pc. design
- 10483** 1.5" Gasket & orifice for Y check ball
- 10484** 2" Gasket & orifice for Y check ball



10476
1½" Teflon ball
for Y check valve

10478
2" Teflon ball
for Y check valve

Backflush Valve and Parts

Illustrations pg. 164

- 96550** ⅝" Backflush valve
- 96650** ¾" Backflush valve
- 96531** Teflon block, for ⅝"
- 96631** Teflon block, for ¾"
- 96536** Spring
- 96538** Pin
- 96548** Cylinder
- 96541** Right hand plate, for ⅝"
- 96641** Right hand plate, for ¾"
- 96545** Threaded mounting plate
- 96533** Left hand plate, w/ tube, straight, for ⅝"
- 96643** Left hand plate, w/ tube, straight, for ¾"
- 96543-1** Left hand plate, w/ tube, threaded, for ⅝"



7/16 x 20 thread
on teflon block
and cylinder



78495
Honeywell limit switch
for washers



78425
Older style MAC valves
for Surge® Vacuum Wash Control

Tri clamp x Thread

- 17045** 1½" Tri clamp x Thread
- 17046** 2" Tri clamp x Thread
- 17047** 2½" Tri clamp x Thread
- 17048** 3" Tri clamp x Thread

Seals (Black)

- 17051** 1½" Butterfly valve seal
- 17052** 2" Butterfly valve seal
- 17053** 2½" Butterfly valve seal
- 17054** 3" Butterfly valve seal
- 17055** 4" Butterfly valve seal

Miscellaneous

- 17057** Knob for 1½" 2½"
- 17058** Knob for 3" & 4"
- 17059** Wingnut for 1½"- 2½"
- 17060** Wingnut for 3" & 4"

Kleen Flo® Butterfly Valves

3 Locking Positions
304 Stainless



CUSTOM SIZES & CONNECTIONS AVAILABLE BY SPECIAL ORDER ONLY

Ferruled

- 17061** 1½" Tri clamp valve
- 17062** 2" Tri clamp valve
- 17063** 2½" Tri clamp valve
- 17064** 3" Tri clamp valve
- 17065** 4" Tri clamp valve

Weld On

- 17071** 1½" Weld on valve
- 17072** 2" Weld on valve
- 17073** 2½" Weld on valve
- 17074** 3" Weld on valve
- 17075** 4" Weld on valve

- 17078** M6 set screw for Kleen Flo® butterfly valve – 1" thread
- 17079** M8 set screw for Kleen Flo® butterfly valve – 1.25" thread

Kleen Flo® Pneumatic Butterfly Valves

Normally Closed- Normally Open Available Upon Request

Ferruled

- 17161** 1½" Tri clamp valve
- 17162** 2" Tri clamp valve
- 17163** 2½" Tri clamp valve
- 17164** 3" Tri clamp valve
- 17165** 4" Tri clamp valve

Weld On

- 17171** 1½" Weld on valve
- 17172** 2" Weld on valve
- 17173** 2½" Weld on valve
- 17174** 3" Weld on valve
- 17175** 4" Weld on valve



17177

Air hose connection elbow for Pneumatic valve



Seals (Silicone)

- 17051-1** 1½" Butterfly valve seal
- 17052-1** 2" Butterfly valve seal
- 17053-1** 2½" Butterfly valve seal
- 17054-1** 3" Butterfly valve seal
- 17055-1** 4" Butterfly valve seal

Bulk Tank Valves

- 17111** 1½" Bevel seat to thread, includes nut
- 17112** 2" Bevel seat to thread, includes nut
- 17113** 3" Bevel seat to thread, includes nut

Seals (Orange)

- 17091** 1½" Butterfly valve seal
- 17092** 2" Butterfly valve seal
- 17090** 2½" Butterfly valve seal
- 17093** 3" Butterfly valve seal
- 17094** 4" Butterfly valve seal

Replacement Parts for 4 Locking Valves

- 17086** Knob only
- 17085** Set screw, for 4 place locking butterfly valve
- 17087** Handle w/locking Assembly for 1" to 3"
- 17088** Handle w/locking Assembly for 4"

4 Locking Positions
316 Stainless



OTHER SIZES BY SPECIAL ORDER

Manifold Assembly



80000102NP
Model 3 and 12
Manifold Assembly Complete

Kleen Flo® High Capacity Air Injectors and Replacement Parts



This Air Injector is designed for both large and small dairies. It comes with 2 end caps drilled out in different sizes to fit your needs. The diaphragm interchanges with the D/L Air Injector.

Illustration pg. 167

All Stainless Remote

78785



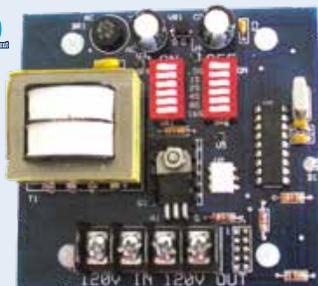
78795

- 78775** Complete Kleen Flo® 120 Volt Air Injector Package
INCLUDES: control box and a 2" stainless remote valve
- 78766** Complete Kleen Flo® 120 Volt Air Injector Package
INCLUDES: control box and a 1½" stainless remote valve
- 78776** Dual Air Injector Package
INCLUDES: 2 - 2" stainless remote valves
- 78767** Dual Air Injector Package
INCLUDES: 2 - 1½" stainless remote valves
- 78785** Vacuum piloted remote air injector valve, 2"
- 78782** Vacuum piloted remote air injector valve, 1½"
- 78778** 120 Volt air injector control box with #78820 board
- 78410** 120 Volt Mac valve solenoid for Delaval® air injector

- 78795** Diaphragm
INCLUDES: Delrin Spool
- 78798** Filter
- 78812** Plastic 1½" end cap, without hole
- 78814** Plastic 2" end cap, without hole
- 78802** Plastic 1½" end cap, with ¾" hole
- 78804** Plastic 1½" end cap, with 1" hole
- 78806** Plastic 1½" end cap, with 1¼" hole
- 78810** Plastic Delrin spool
- 78825** 12 Volt air injector control box, without remote
- 78828** 12 Volt air injector control box, with 2" stainless remote valve
- 67219-1** ¾" OD compression fitting, elbow, ⅛ NPT
- 67217-1** .25" ID - ¾" OD tubing for oil lines
- 99976** 2 AMP breaker
- 04080** Large diaphragm for Cyclone 600
- 04082** Small diaphragm for Cyclone 600

Replacement Circuit Board for Kleen Flo® Air Injector

- Specially designed with "Trombone" systems in mind
- 120 VAC input and output
- ON/OFF Times adjustable from .5 seconds to 31.5 seconds in ½ second increments via on board dip switches



78820

Replacement board for Kleen Flo®, Delaval® or Surge® air injectors

Replacement Board for BM® Air Injector



20060



20061

- 20060** Circuit board for BM air injector
- 20061** Wiring Harness for 20060 air injector board

NuPulse Air Injectors and Replacement Parts

31850NP

NuPulse Whisper Jet Air Injector



- 31700NP** NuPulse Wash Diverter
- D381673NP** Diaphragm, for Diverter and Air Injector
- D498743NP** 2" Valve Assembly, for Whisper Jet
- A31837NP** Model 420 120VAC Humphrey Valve
- A31839NP** Model 420 240VAC Humphrey Valve

Vertical Wash Vats with Lids

Our vertical wash vats are made from heavy-duty 16 gauge stainless steel

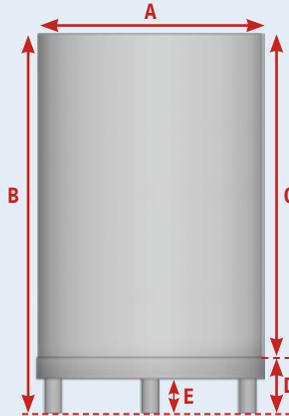
The 4 stainless legs on the bottom of this vat are designed to fit a standard 1½" OD tubing inside them. This allows the vat to be adjusted to whatever height is desired. The drain on these vats consists of a 2" OD, standard tubing (non threaded) and accepts the yellow motorized drains.

Without sight glass

27050	50 gallon
27075	75 gallon
27100	100 gallon
27125	125 gallon
27175	175 gallon
27225	225 gallon

With sight glass

27051	50 gallon
27076	75 gallon
27101	100 gallon
27126	125 gallon
27176	175 gallon
27226	225 gallon



Vertical Wash Vat Measurements

	A	B	C	D	E
50 gal.	26"	36"	27"	9"	7"
75 gal.	26"	41"	38"	3"	1"
100 gal.	26"	57"	48"	9"	7"
125 gal.	31"	50"	40"	9"	7"
175 gal.	31"	66"	57"	9"	7"
225 gal.	38"	59"	50"	9"	8"



27040

- 27004 Leg extensions, for wash vats
INCLUDES: 4 - 18" extensions
- 27040 Stainless cover with hinge, for vertical 50, 75 or 100 gallon wash vats
- 27042 Stainless cover with hinge, for vertical 125 or 175 gallon wash vats
- 27044 Stainless cover, for vertical 225 gallon wash vat

Horizontal Wash Vats

All measurements listed below are from one inside wall to the next inside wall. The width of all vats are 18" and the depth of all vats are 12". When filled with water, 2" from the top, the capacity of them is 0.61 gallons per inch.

Take this times the length of the compartment and it gives you the capacity of the vat.

Single Wash Vats

21370	22"
21378	29"
21371	36"
21372	49"
21373	60"
21374	72"

Double Wash Vats

21364	18" x 18"
21365	22" x 22"
21367	22" x 29"
21380	22" x 36"
21369	22" x 49"
21375	29" x 29"



Made with 22 gauge stainless steel

All horizontal wash vats include a 21385 Stainless Steel drain assembly with rubber stopper. Leg or wall brackets sold separately.

Drain Assemblies – Faucets – Brackets



21388



21389

For 21388 Heavy-Duty Drain, only



78286

Brackets for Single & Double are Sold as a Set of 2

Illustration pg. 164

- 21385 Drain assembly, with rubber stopper, 1¼" threads
- 21382 Lock nut, for wash vat drain
- 21384 Rubber washer, for drain
- 21387 Rubber stopper, for drain

- 21388 Heavy-duty drain assembly, for wash vat
- 21389 Plastic nut, for heavy-duty drain, only
- 78286 Brass mixing faucet, ½" IPS Union Connections

- 21390 Wall brackets – Powder coated steel
- 21390-1 Wall brackets – Stainless steel
- 21392 Leg brackets – Powder coated steel
- 21392-1 Leg brackets – Stainless steel

Measurements listed are from one inside wall to the next inside wall.

The inside width of the deeper vats is 22" and the inside depth is 15½".

The capacity equals 1 gallon per 1 inch.

Single – Deeper Style

- 21355 30" = 30 gals.
- 21356 40" = 40 gals.
- 21357 50" = 50 gals.
- 21358 60" = 60 gals.

Brackets for Deeper Style Vats

Powder-Coated Steel - Sold as a set of 2

- 21397 Wall Brackets
- 21398 Leg Brackets

Call us for Prices on Our Discounted Horizontal Wash Vats – "Seconds" Various Sizes are Available

Vertical Milk/Wash Vat

Vat with Split Lid

27020	85 gal.	16 ga. stainless
27021	115 gal.	14 ga. stainless
27022	150 gal.	14 ga. stainless
27023	195 gal.	14 ga. stainless
27036	225 gal.	14 ga. stainless
27024	275 gal.	14 ga. stainless
27039	400 gal.	14 ga. stainless
27251	500 gal.	14 ga. stainless

Split Lid, only

27005	For 85 gal.	27" dia.
27006	For 115, 150 & 195 gal.	31" dia.
27007	For 225 & 275 gal.	37" dia.
27008	For 400 gal.	48" dia.
27253	For 500 gal.	

Vat without lid

27030	85 gal.	16 ga. stainless
27031	115 gal.	14 ga. stainless
27032	150 gal.	14 ga. stainless
27033	195 gal.	14 ga. stainless
27035	225 gal.	14 ga. stainless
27034	275 gal.	14 ga. stainless
27039-1	400 gal.	14 ga. stainless
27250	500 gal.	14 ga. stainless

Miscellaneous Parts

27001	Anti-swirl device, for milk/wash vat, Vat outlet may need modified for anti-swirl to fit properly
27254	Adjustable 3" feet, for 500 gallon milk/wash vat
27019	Adjustable 2" feet, for 85, 115, 150 & 195 gallon milk/wash vat
27016	1½" spray ball only, with 360° spray pattern
27016-1	Pin and clip, for spray ball
27017	3" tri cap with 1½" x 16" pipe with spray ball
20301	3" Overflow welded on custom milk/wash vat
20302	4" Overflow welded on custom milk/wash vat
27018	Spray ball with 1.5" x 8" pipe, for custom milk wash vat



27016

Vat with Solid Lid

27025	85 gal.	16 ga. stainless
27026	115 gal.	14 ga. stainless
27027	150 gal.	14 ga. stainless
27028	195 gal.	14 ga. stainless
27037	225 gal.	14 ga. stainless
27029	275 gal.	14 ga. stainless

Solid Lid, only

27010	For 85 gal.	27" dia.
27011	For 115, 150 & 195 gal.	31" dia.
27012	For 225 & 275 gal.	37" dia.

Custom Milk /
Wash Vat Order Form
PAGE 144



VAT MEASUREMENTS

	A	B	C	D	E
85 gal.	54"	36"	39"	26"	18"
115 gal.	54"	36"	41"	30"	18"
150 gal.	66"	48"	53"	30"	13"
195 gal.	78"	60"	65"	30"	18"
225 gal.	66"	48"	55"	36"	17"
275 gal.	78"	61"	66"	36"	17"
400 gal.	68"	50"	55"	48"	18"
500 gal.	80"	62"	67"	48"	18"

Please Call Dustin at 800-768-0887 for Custom Vats

Illustration pg. 166

Parts for Mueller® Original & Replacement



86020 Auto drain valve with 1.6 orifice for floor pump
86051 Bonnet, for Drain valve
86021 Drain valve diaphragm



86102 New Style check valve



86099 2" disc, for SS outlet valve
86100 3" disc, for SS outlet valve



86058 1 1/2" plug, for drain valve
86059 2" plug, for drain valve



86077 Celcon leg spacer



86064 1 1/2" sleeve gasket
86065 2" sleeve gasket



86022 Gasket - 6.25" OD x 4.875" ID



86076 Leg spacer, for housing assembly



86061 Replacement Wrench set, for drain valve



86070 1 1/2" x 1 1/2" Rubber adapter

86024 Gasket - 8.25" OD x 6.375" ID



86053 Flow washer, for drain valve, 1.2 GPM



86101 Tubes, for Mueller washer
86104 3/8" ID Kuritec tubing

86071 2" x 1 1/2" Rubber adapter

86054 Flow washer, for drain valve, 1.6 GPM

86072 2" x 2" Rubber adapter

86055 Flow washer, for drain valve, 2.0 GPM

86073 2" x 2.1875" Rubber adapter

86056 Flow washer, for drain valve 86020, 3.0 GPM



59997 Replacement Manway gasket



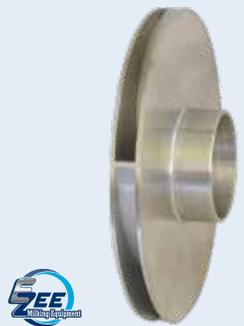
86074 Stainless screen cover, for Mueller tank vent



86075 Stainless inlet cover



86067 Plastic screen cover, for Mueller tank vent



59990 Replacement 3/4 HP stainless impeller, for Mueller
59994 Replacement 1 1/2 HP stainless impeller, for Mueller



59991 Replacement 3/4 HP plastic impeller, for Mueller



86103 Replacement 3/4" x 1" shaft adapter, for Mueller



86040 Replacement Shaft seal assembly, for Mueller



59998 Replacement Hiperform board, for Mueller

Parts for Mueller® Original & Replacement

86079
Shield, for agitator weather Mueller




86080 Shield, for 1" agitator shaft

86081 Shield, for 1 1/4" agitator shaft



86078
Shield, for agitator shaft seal assembly



86083
Kit assembly, for agitator slinger & seal



86082
Shield, for 1" agitator shaft (V&VC)



86089
Tapered pipeline inlet adaptor



86085
Dust cap, for agitator



86088
Drip protector, for 1 1/2" drop pipe



86060
2" Cap with 3/8" hole for dipstick



86087
2" rubber pipeline inlet cap



86084
4.213" Neoprene access cover



86093
Lid, for detergent or acid jar



86096 Lid, with 2 hose connection

86097 Lid, with 3 hose connection



86098
Tee, for detergent jar



86010
72 Minute Wash Timer



86092
240V Coil



86090
240V Dual solenoid valve

Not Shown 86091
240V Single solenoid valve

86095
Detergent jar

86094
Acid jar



59996
Replacement Jar o-ring

Not Shown 86105
O-Ring, for measuring nipple for Mueller

86130
Gear motor, for agitator, Mueller®



86120
Agitator motor, with gear assembly, Sunset®

Not Shown 86125
Agitator motor, only, 110V/230V, 1/2 HP, Sunset®

Fits Mueller & other brands



Illustration pg. 166

Miscellaneous Drain Parts



86038 Complete BM drain valve assembly, with 3/16" hole

86039 Complete BM drain valve assembly, with 1/2" hole



86028 BM Drain valve body bottom, with 3/16" hole

86030 BM Drain valve body bottom, with 1/2" hole



86026
Replacement drain valve diaphragm for BM



86002
O-ring, for UN 1 1/2 HP wash pump



86032
UN Drain valve plunger, rubber



86034
UN Drain valve plunger, plastic

86000
Shaft Seal - for BM 1.5HP pump, BM style

Water Valves for Pipeline Washers

Illustrations pg. 165



Dual Water Valves

Single Water Valves

Coils

22029	120v Heavy-duty dual water valve
22028	240v Heavy-duty dual water valve
87460A	Blue dual water valve, 120v black coils
87462	Blue dual water valve, 24vdc brown coils
87464	Blue dual water valve, 24V pink coils
87478	278 dual water valve, 24V pink coils
87480	278 dual water valve, 24vdc brown coils
87485	N50 dual water valve, 120v 6w coils

22031	120v Heavy-duty single water valve
22030	240v Heavy-duty single water valve
87450	S51 water valve 24vdc brown coil
87447	S-51 water valve, 120V black coil

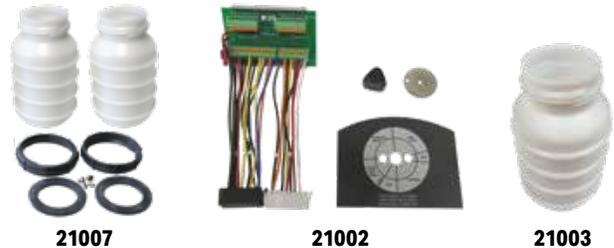
20990	120v Heavy-duty coil
20989	240v Heavy-duty coil
87415	120v black coil
87416	24v pink coil
87417	24vdc brown coil

Repair Kits

22004	Repair kit for water valve 6 piece (does one coil)
87411	S51 repair kit 4 piece (does one coil)

Electrobrain® Washer Parts

21000	Replacement timer interface kit for Electrobrain II, with 120V Bender Timer
21002	Replacement timer interface kit for Electrobrain II, Less Timer
21008	Replacement retrofit kit, for Electrobrain II
21007	Replacement retrofit kit jars, for Electrobrain II
21003	Replacement plastic jar for Electrobrain II washer
21005	Jar gasket
21001	White teflon cam, for jar holder
21009	Interface circuit board for Bender timer to Electrobrain II



Dairy Clean® CIP Systems

Peristaltic Chemical Pumps

The Dairy Pro unit has a timer board for each pump.

The unit needs at least a 5 second trigger from the CIP system and it will run the pump according to the time set on the board.

Max run time is 3½ minutes per pump. Each pump will dispense 32 oz of water to thin chemical per minute.



79332



79361



79370



79390

Dairy Pro 3000®

Dema®

79332	Dairy Pro 3000®, 32 oz dispenser
40115NP	Kleen Flo® Wash 30 oz Min. P.P.U. Dispenser, 120V - 3 Unit Dairy Pro without timer circuit boards
79334	Roller assembly
79335	Tubes
79340	¾" Tubing, for chemical pump (100' roll)
79337	Motor & gearbox
79338	Master circuit board
79339	Slave circuit board
79342	Pump housing
79343	Pro clear face plate with bearing
79336	Bulk ¾" EPDM roller tubing

79354	Roller assembly, for Dema 50 oz
79355	Tubes, for Dema 50 oz
79361	Dema Dispenser without Timer CB, 50 oz, 3-Unit, 24VDC
79362	Dema Dispenser without Timer CB, 50 oz, 3-Unit, 24VDC, with Kleen Flo® Interface
79363	Gear motor kit, for Dema 50 oz - 105 RPM
79364	Large pump single unit, for Dema 50 oz dispenser
79365	Large pump base, for Dema 50 oz
79367	Pump cover, for Dema 50 oz
79357	Dema pump board
79370	Power Interface for 24VDC Dema Pumps
79390	Iodine dispenser complete, 60/15/60 RPM



22060

Kleen Flo® Drain

**Tired of your old drain burning out?
Look no further than the Kleen Flo® Drain!**

- Built to last
- Does not require continuous power to operate
- Can easily be switched from normally open to normally closed
- Drain will stay in the closed position if power is lost

22050 2 way PVC electric ball valve drain, 2", 120VAC, *Normally Open or Normally Closed*

22056 2 way PVC electric ball valve drain, 2", 240VAC, *Normally Open or Normally Closed*

22058 Delrin threading drain adaptor for Kleen Flo drain

22060 Floor stand bracket for Kleen Flo drain



22058

Adapts Kleen Flo drain to wash sink

22066 2 way PVC electric ball valve drain, 2", 24VAC, *Normally Open or Normally Closed*

22075 2 way PVC double acting pneumatic ball valve, 2"



22075



22050

22048 Wire for Kleen Flo® Drains
SOLD SEPARATELY



NOT CSA Approved

Black Motorized Drain
with black splash cover plate flapper style

22023 120 volt Depend-o-drain - **normally open**

22033 24 volt AC Depend-o-drain, standard - **normally open**

We only offer a 30 day warranty on Depend-o-Drains

Depend-O-Drain Drain



Ball Style with gray motor cover are CSA Approved



Gray Motor Cover,
ball valve style

22022 120 volt Depend-o-drain - **normally open**

22032 240 volt Depend-o-drain - **normally open**

22020 120 volt Depend-o-drain - **normally closed**

22019 240 volt Depend-o-drain - **normally closed**

22034 24 volt AC Depend-o-drain, standard - **normally open**



NEW

22010

22045

Parts

22010 Replacement 120V gear box motor with transformer for DOD

67233 2" x 2" flexible coupling

22045 Clear 2" plastic tubing coupling kit for drain, also fits 1½" Drain

Bender Diverters & Washers and Parts



78543



78548

Washers & Parts

78500 #8500 Bender Washer, 120 volt

78501 #8500 Bender Washer, 240 volt

78507 O-ring seal, for jar on Bender Washer

78515 Detergent and acid jar, for 8500 Bender washer

78517 Knob, for 8500 Bender washer

78518 Dial Indicator

78519 Lid Decal

78725 Timer with harness, for Delaval® 3000, 8500 & 9750 washers

78750 Timer only - 120V - #9750 (no harness)

78751 Timer only - 240V - #9750 (no harness)

78750-1 Wiring harness, only for 78750 timer

78569 Pressure switch, for Bender Washer

78510 Detergent top assembly, for 8500 washer

78571 120 VAC resistive heater, for Bender Washer

78572 240 VAC resistive heater, for Bender Washer

78575 Run tee check valve assembly, for Bender Washer

78577 Acid or sanitize jar top assembly, for Bender Washer



Diverters

78540 Bender diverter, 120 volt

78541 Bender diverter, 240 volt

78536 Bender diverter solenoid, 120 volt

78538 Bender diverter solenoid, 240 volt

78542 Stopper rod assembly, for Bender diverters

78543 Plug for stopper rod - fits Bender & BM PW100

78546 Bender diverter gasket (2 needed per diverter)

78548 Bellow for Bender diverter

20487 Milk/wash/off toggle switch, DPDT, On-Off-on

Kleen Flo® Automatic Pipeline Wash System

The Kleen Flo® Wash System will clean any size pipeline milking system. Every segment of every cycle of the Pipeline Washing can be adjusted to the needs of your dairy.

3 Formulas and Up to 7 Cycle Wash Programs For Each
The Controller System has the latest PLC color touch-screen technology with a 4.3" screen that is easy to see and navigate the functions.



E-Zee
40105NP

FEATURES

- The Controller System comes Standard 120 VAC for the output Devices, but can easily be modified to work with 12 V, 24 V, 220 V.
- The 120 VAC Input is surge protected with insurance.
- There are 10 Inputs and 14 Outputs to control many Devices.



E-Zee
40125NP

Main Controller Systems

- 40100** Pipeline Wash Control Panel, with 3-Unit PPU, Pressure Switch, Temp Sensor & 2 Water Valve
- 40103** Pipeline Wash Control Panel, with Pressure Switch and Temperature Sensor
- 40105** Pipeline Wash Control Panel Only, 120VAC 15amp, 15 Fused Outputs, Touch Screen HMI/PLC – Modular Control System

Chemical Dispensers

- 40115** Wash 30 oz Min. P.P.U. Dispenser 120V, 3 Unit Dairy Pro, without timer circuit board
- 79360** Wash 50 oz Min. P.P.U. Dispenser 120V AC 3 Unit Dema, without timer circuit board
- 40118** Bender 3 Jar Chemical Dispenser, for Powered or Liquid Chemicals with Water Valves

Water Valves

- 40114NP** Water Valves ¾" NPT Port, 120V AC
- 40125NP** Enclosure with 2 – ¾" NPT Port 120V AC Dema water valves

SEE PAGE 66 for more water valves

Water Fill Level Switches

- 40107-1** Pressure Switch Assembly, use with the Peristaltic Pump Units
- 40107** Fill Level Switch Assembly, SS Probe Style
- 40108** Pressure Switch Assembly, jar unit, use with Bender Jar Unit

Temperature Sensors

- 40106** Wash Temperature Sensor Assembly
- 40106-1** Milk Temperature Sensor Assembly

Test Kit

- 40117** Wash Control Test & Support Package, **RECOMMENDED** one for each Service Person

Kleen Flo® Eco-Wave

Perfect for smaller to medium sized dairies.
Simplified customizable options.



FEATURES

- All cycles can be set for cold, hot, or mixed water
- Can be configured for normally open or normally closed drain and diverter valves
- Diverter valve can be set with delay
- Chemical pump starts 30 seconds after water fill starts
- Two options for sanitizing: at end of cycle, or delay until preferred time of day
- Sanitizing can be done 1-3 times per day
- All output signals are 120/240 VAC depending on input voltage

40001 Kleen Flo Eco-Wave 120V Automatic Pipeline Washer

Kleen Flo® Eco-Wave Automatic Bulk Tank Controller

The Eco-Wave Bulk Tank Controller is designed to cool and washer with a wide range for adjustable settings.



FEATURES

- Agitator cycles are adjustable
- High temperature alarm
- Up to 6 cycles can be programmed
- Up to 3 rinse cycles
- Wash cycles are adjustable
- Output signals are 120/240 VAC depending on input voltage
- Interface from 120/240 VAC to 24 VAC is available
- Option to manually advance through program for ease of service

- 40020** Kleen-Flo Eco-Wave Bulk Tank Controller
- 40022** Kleen-Flo Eco-Wave Bulk Tank Controller, with interface box to replace Mueller, 24 VAC
- 40024** Kleen-Flo Eco-Wave Bulk Tank Controller, with interface box for Eco-Wave, 240 VAC
- 40025** Power I/O Circuit Board for Eco-Wave Bulk Tank Controller
- 40035** Interface Box to replace existing Mueller Systems, 24 VAC
- 40040** Interface Box for Eco-Wave Bulk Tank Controller, 240 VAC



40012
Manifold for Eco-Wave Bulk Tank Controller

Kleen Flo® 24VDC to 24VAC Interface



40360 Interface board/box for Delaval C125 washer, converts 3 DC outputs to 3 AC outputs



40035



40040



Jet Wash System



- 10090NP** Standard Jet Washer System
INCLUDES:
Jetter, Jetter Mounting Kit, Jetter Hose with Adapter

- 10099NP** MLX Jet Washer System
INCLUDES:
Jetter, Jetter Mounting Kit, Jetter Cap

- 10095NP** Goat Jet Washer System
INCLUDES:
Jetter, Jetter Mtg Kit, Jetter Tee, Jetter Hoses with Adapter

- 10112NP** Jet Washer Only (Does not include accessories)

- 10084NP** Jetter Replacement Kit
INCLUDES:
4 each of Jetter Jet, Jet O-Ring, Jet Circlip & Jet Spacer Ring

Bucket Washers

- 10125NP** Bucket Washer for Standard Cow Claw

- 10126NP** Bucket Washer for Goat Claw

New Style Kleen Flo® Washer

This unit is shipped fully assembled and ready to hook up.
Designed for cleaning milking clusters on a vacuum operated system.

Complete Claw Washer Assemblies

- 56200** Complete 10" claw washer, 6 unit

- 56201** Complete 15" claw washer, 6 unit

- 56201-1** Complete 15" claw washer, 8 unit

- 56201-2** Complete 15" plate cooler washer

Claw Washer Parts

- 56202** Stainless wall bracket, for 10" washer

- 56203** Stainless wall bracket, for 15" washer

- 56209** Weight (2 needed)

- 56210** Clip pin (2 needed)

- 56211** Rod spring

- 56212** Stainless steel float

- 56213** Gasket, for clear sight tube (2 needed)

- 56214** Cylinder, 10"

- 56214-1** Heavy-duty extruded cylinder, 10"

- 56214-2** Glass cylinder, 10"

- 56215** Cylinder, 15"

- 56215-1** Heavy-duty extruded cylinder, 15"

- 56215-2** Glass cylinder, 15"

- 56216** Bottom dome, with 6 - 5/8" ports

- 56235** Bottom dome, with 6 - 3/4" ports

- 56240** Bottom dome, with 8 - 5/8" ports

- 56237** Bottom dome for plate cooler washer, with 1 - 7/8" port

- 56217** Bracket gasket, for under bottom dome

- 56218** Drain hose

- 56219** Check valve assembly, for drain hose

- 56220** Ball only, for drain assembly

- 56221** Clip pin, for drain assembly

- 56377** 5/8" pipeline nipple closure

- 56259** Stainless e-clip, for washer rod

- 56245** Valve guide block, without bushing

- 56252** New style stainless dome, with 2 3/32" hole

- 56267** 15" rod assembly for new style washer, with valve head and rod seal

- 56269** 10" rod assembly for new style washer, with valve head and rod seal

- 56256** New style valve head

- 56261** New style 15" rod, only

- 56263** New style 10" rod, only

- 38215** Blue elbow, with 1/2" thread

- 38211** Rubber seal, for releaser rod

- 56275** Kit to change 15" **old style** washer to **new style**

- 56276** Kit to change 10" **old style** washer to **new style**

Illustration pg. 166



Old Style Washer Parts

- 56204** Yellow elbow

- 56205** Valve guide block

- 56207** Rod assembly, with rubber seal

- 56208** Rubber seal, for rod assembly

- 56230** Valve head, for guide rod

Wash Tubs For Claws
(for bucket systems)

- 56195** 4 unit claw wash tub

- 56199** Stainless hook for claw wash tub

Tubing

NOTICE: Prices for tubing are per foot and subject to change without notice.



16 Gauge

54409	1"	300' per case
54411	1½"	300' per case
54414	2"	300' per case
54416	2½"	300' per case
54418	3"	300' per case
54419	4"	100' per case
54405-2	⅝" ID – ¾" OD	
54406-2	¾" ID – 7⁄8" OD	

12 Gauge

54420-2	6"	
---------	----	--

Cutting & Welding Charges

20281	Cutting tubing
20282	Labor, to weld on ferrules for 1½", 2", 2½"
20283	Labor, to weld on ferrules for 3" & 4"
20285	Labor, for inlet welding ⅝", ⅞", ¾", 7⁄8"
20285-1	Labor charge to weld 1" 54605 ferrule on pipe

**Custom Pipeline Order Form
PAGE 143**

NOTE: All 1" fittings connect with standard 1½" fittings.

90° Elbows – Tri clamp & Tri clamp to Glass

54600	1"
54300	1½"
54302	2"
54301	2½"
54303	3"
54304	4"



54567 1½" tri clamp to glass elbow



90° Elbows – Weld On

54601	1"
54306	1½"
54307	2"
54308	2½"
54309	3"
54305	4"



90° Elbows – Tri clamp to Weld On

54618	1"
54551	1½"
54552	2"
54553	2½"
54554	3"
54555	4"



45° Elbows – Tri clamp to Weld On

54561	1½"
54562	2"
54563	2½"
54564	3"
54565	4"



45° Elbows – Tri clamp

54602	1"	54360	3"
54361	1½"	54365	4"
54362	2"	54365-1	4" 16 gauge
54363	2½"		



45° Elbows – Weld On

54603	1"
54371	1½"
54372	2"
54370	2½"
54373	3"
54374	4"



Special Tri-Clamp Tees



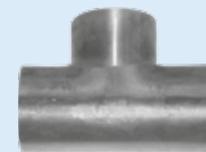
54622	2" x 1" x 2"
54623	2" x 1½" x 2"
54625	3" x 1½" x 3"
54624	2" x 1½" x 1½" x 2"
54626	3" x 1½" x 1½" x 3"
54627	3" x 2" x 3"

Tees – Tri clamp



54609	1"
54310	1½"
54312	2"
54311	2½"
54313	3"
54314	4"

Tees – Weld On



54608	1"
54390	1½"
54391	2"
54392	2½"
54393	3"
54394	4"

Ferrules Roll On



- 54607 1"
- 54330 1½"
- 54332 2"
- 54331 2½"
- 54333 3"
- 54334 4"

Ferrules Long Weld



- 54605 1"
- 54340 1½"
- 54342 2"
- 54341 2½"
- 54343 3"
- 54344 4"
- 54344-1 4" 16 gauge

Ferrules Roll On – for Glass



- 54396 1½"
- 54397 2"

Ferrules Roll On for Surge®



- 54384 1½"
 - 54385 2"
- ### Ferrules Weld On
- 54383 1½"
 - 54386 2"

Ferrules Short Weld



- 54604 1"
- 54350 1½"
- 54352 2"
- 54351 2½"
- 54353 3"
- 54354 4"
- 54354-1 4" 16 gauge

Ferrules Weld On – for Glass



- 54398 1½"
- 54399 2"

Pipeline Clamps – Standard (Also called V-Bend Clamps)



- 54320 1½"
- 54322 2"
- 54321 2½"
- 54323 3"
- 54324 4"

Pipeline Clamps – Heavy-Duty



- 17130 1½"
- 17131 2"
- 17132 2½"
- 17231 3"
- 17232 4"
- 17135 Wingnut, only

End Caps with Nipple

- 61056 1½" with 5/8" nipple ¾" OD
 - 61057 1½" with ¾" nipple 7/8" OD
 - 61058 1½" with 7/8" nipple 1" OD
-
- 61062 2" with 5/8" nipple ¾" OD
 - 61063 2" with ¾" nipple 7/8" OD
 - 61064 2" with 7/8" nipple 1" OD



End Caps – Tri clamp Stainless

- 54291 1½"
- 54292 2"
- 54290 2½"
- 54293 3"
- 54294 4"

Plastic

- 78812 1½"
- 78814 2"



Thread Ferrules Weld on male

- 54531 1½"
- 54532 2"
- 54530 2½"
- 54533 3"
- 54534 4"



Bevel Seat Ferrules Weld on

- 54541 1½"
- 54542 2"
- 54540 2½"
- 54543 3"
- 54544 4"



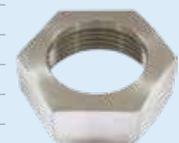
Bevel Seat End Cap for Hex Nuts

- 17126 1½"
- 17127 2"
- 17128 3"



Hex Nuts

- 17121 1½"
- 17122 2"
- 17120 2½"
- 17123 3"
- 17124 4"



Stainless Nipples for Milk Hose

- 99890 2½" x 5/8" id ¾" OD
- 99892 2" x ¾" id 7/8" OD

- 54630 4" x 5/8" id ¾" OD
- 54631 4" x ¾" id 7/8" OD
- 54632 4" x 7/8" id 1" OD



Glass Couplings

Illustrations pg. 168

54100 1½" Plastic coupling, for glass

INCLUDES:

- 54111** Female fitting
- 54112** Male fitting
- 54318** 1½" Gasket for glass line
- 54113** Rubber grommet
- 54114** Grommet holder



54102 2" Plastic coupling, for glass

INCLUDES:

- 54122** Male fitting
- 54123** Rubber grommet (2)
- 54319** 2" Gasket for glass line
- 54124** Grommet holder
- 54121** Female fitting

54104 3" Plastic coupling, for glass to glass

INCLUDES:

- 54132** Male fitting
- 54133** Rubber grommet (2)
- 54135** White rubber seal
- 54134** Grommet holder
- 54131** Female fitting



54106 3" Plastic coupling, for glass to stainless

INCLUDES:

- 54132** Male fitting
- 54136** Glass to S/S bushing
- 54135** White rubber seal
- 54134** Grommet holder
- 54133** Rubber grommet
- 54131** Female fitting



NOTE: Fittings are only for these couplings & will not work with other brands.

Tri Clamp x Glass Check Valve Body

- 38532** 1½"
- 38531** 2"



Lateral Y - Tri Clamp

- 54526** 1"
- 54527** 1½"
- 54528** 2"
- 54529** 3"



Tri Clamp X Male NPT Threaded Adaptor

- 54535** 1½"
- 54536** 2"
- 54537** 2½"
- 54538** 3"
- 54539** 4"



90° Elbow

- 54596** 5/8" ID x 3/4" OD
- 54598** 3/4" ID x 7/8" OD



180° Bend

- 54592** 5/8" ID x 3/4" OD, 3½ radius
- 54594** 3/4" ID x 7/8" OD, 3½ radius



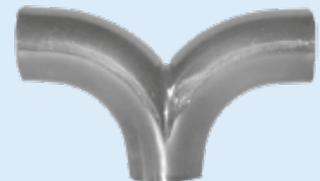
Wash Y's - Ferruled

- 54616** 1"
- 54490** 1½"
- 54491** 2"
- 54492** 2½"
- 54493** 3"



Wash Y's - Weld On

- 54485** 1½"
- 54486** 2"
- 54487** 2½"
- 54488** 3"



Concentric Reducers - Ferruled

- | | |
|------------------------|-----------------------|
| 54610 1½" x 1" | 54435 2½" x 2" |
| 54611 2" x 1" | 54436 3" x 2" |
| 54430 2" x 1½" | 54440 3" x 2½" |
| 54431 2½" x 1½" | 54477 4" x 2" |
| 54432 3" x 1½" | 54479 4" x 3" |



Eccentric Reducers - Ferruled

- | | |
|------------------------|-----------------------|
| 54612 1½" x 1" | 54462 3" x 1½" |
| 54613 2" x 1" | 54465 2½" x 2" |
| 54460 2" x 1½" | 54466 3" x 2" |
| 54461 2½" x 1½" | 54470 3" x 2½" |



Please Call Dustin at 800-768-0887 for Custom Stainless Work

Tri clamp Gaskets ~ Standard

- 54326 1½"
- 54327 2"
- 54328 2½"
- 54329 3"
- 54325 4"



Tri clamp Silicone Gaskets

- 54200 1½"
- 54201 2"
- 54202 2½"
- 54203 3"
- 54204 4"
- 99185 1" – also used for sensor/shutoff



Tri clamp White Teflon Gaskets

- 54387 1½"
- 54388 2"
- 54377 2½"
- 54378 3"
- 54379 4"



Tri clamp Stainless Perforated Screen/Gasket

- 10685 1½"
- 10695 2"
- 10696 2½"
- 10697 3"
- 10698 4"



Tri clamp Stainless Woven Screen/Gasket

- 20825 1½"
- 20827 2"
- 20829 3"



Gaskets for Glass line

- 54318 1½"
- 54319 2"



Bevel Gaskets

Teflon Bevel Seat Gasket

- 38240 1.5"
- 38241 2"
- 38242 2.5"
- 38243 3"
- 38244 4"



Thin Style

- 38196-1 1½"
- 38197-1 2"

Thick Style

- 38196 1½"
- 38197 2"
- 38199 3"

Gaskets for Surge® line

- 54381 1½"
- 54382 2"



180° U-Bends – Ferruled

- 54511 1½" clamp on 4½" on center
- 54512 2" clamp on 6" on center
- 54513 2½" clamp on 7½" on center
- 54514 3" clamp on 9" on center
- 54515 4" clamp on 12" on center



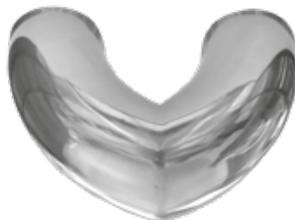
180° U-Bends – Weld On

- 54521 1½" weld on 4½" on center
- 54522 2" weld on 6" on center
- 54523 2½" weld on 7½" on center
- 54524 3" weld on 9" on center
- 54525 4" weld on 12" on center



Mitered Bend – Ferruled

- 54572 2½" clamp on, 6" on center
- 54574 3" clamp on, 6" on center
- 54576 4" clamp on, 6" on center
- 54577 4" clamp on, 9" on center



Mitered Bend – Weld On

- 54582 2½" weld on, 6" on center
- 54584 3" weld on, 6" on center
- 54586 4" weld on, 6" on center
- 54587 4" weld on, 9" on center



Custom Stainless Steel Fittings



54810 2" bevel seat w/nut x 2" thread
90° elbow

54811 3" bevel seat w/nut x 3" thread
90° elbow



54829 3" bevel seat w/nut x 2" thread
90° elbow, concentric



54815 1½" bevel seat w/nut x tri 90° elbow

54816 2" bevel seat w/nut x tri 90° elbow

54817 3" bevel seat w/nut x tri 90° elbow



54567 1½" elbow, 90° tri clamp to glass fitting

54568 2" elbow, 90° tri clamp to glass fitting



54804 1½" tri clamp x 1½" thread 90° elbow

54805 2" tri clamp x 2" thread 90° elbow

54806 3" tri clamp x 3" thread 90° elbow



54800 1½" bevel seat w/nut x
weld on 90° elbow

54801 2" bevel seat w/nut x
weld on 90° elbow

54802 3" bevel seat w/nut x
weld on 90° elbow



54854 1½" weld 90 degree elbow
x 2" bevel seat w/nut



54824 3" bevel seat w/nut x 1½" tri
90 degree elbow, concentric

54825 3" bevel seat w/nut x 2" tri
90° elbow, concentric



54835 1½" bevel seat w/nut x 1" MNPT

54836 1½" bevel seat w/nut x 1¼" MNPT



54840 1½" bevel seat
w/nut x 1½" tri clamp adapter

54841 2" bevel seat
w/nut x 2" tri clamp adapter

54842 3" bevel seat
w/nut x 3" tri clamp adapter



54823 3" bevel seat endcap x 2"
tri adaptor, eccentric



54845 1½" tri clamps x 1½" male
thread adapter

54846 2" tri clamps x 2" male
thread adapter

54847 3" tri clamps x 3" male
thread adapter



54850 1½" tri clamp x 1½" Surge adapter

54851 2" tri clamp x 2" Surge adapter



54821 3" bevel seat x 2"
thread adaptor, eccentric



54874 1½" Tri clover tee – shortened on one end

54875 2" Tri clover tee – shortened on one end



54865 2" x 4" probe well
with ½" OD x .049 wall tubing

Please Call Dustin at 800-768-0887 for Custom Stainless Fabrication



Please Call Dustin at 800-768-0887 for Custom Stainless Fabrication

Clamp On Inlet



1/16" ID (1 1/16" OD)

56291	1 1/2" x 9/16"
56292	2" x 9/16"
56293	3" x 9/16"
56307	9/16" inlet only

5/8" ID (3/4" OD)

56310	1 1/2" x 5/8"
56311	2" x 5/8"
56312	3" x 5/8"
56309	4" x 5/8"
56305	5/8" inlet only
56309-1	5/8" inlet nipple only for 4" line

3/4" ID (7/8" OD)

56313	3" x 3/4"
56314	4" x 3/4"
56306	3/4" inlet only
56306-1	3/4" inlet nipple only for 4" line

7/8" ID (1" OD)

56295	3" x 1"
56296	4" x 1"
56308	7/8" inlet only
56308-1	7/8" inlet nipple only for 4" line

Nipple Closures

56375
Brown pipeline nipple closure for 5/8" ID (3/4" OD)



56377
Black pipeline nipple closure for 5/8" ID (3/4" OD)



56379
Brown pipeline nipple closure for 3/4" ID (7/8" OD)



5/8" ID (3/4" OD) Inlets

Standard Milk Inlet - with 90° bend

56340	1 1/2"
56341	2"
56342	3"
56343	4"
56344	90° standard milk inlet nipple only
56344-1	90° standard milk inlet nipple only, 5/8" for 4" line



3/4" ID (7/8" OD) Inlets

Standard Milk Inlet - with 90° bend

56342-1	3"
56343-1	4"
56344-2	90° standard milk inlet nipple only
56344-3	90° standard milk inlet nipple only, 5/8" for 4" line

CUSTOM SIZES AVAILABLE

Parallel Milk Inlet with 90° bend

56335	1 1/2"
56336	2"
56337	3"
56338	4"
56339	90° parallel milk inlet nipple only
56339-1	90° parallel milk inlet nipple only, 5/8" for 4" line



Parallel Milk Inlet with 90° bend

56337-1	3"
56338-1	4"
56339-2	90° parallel milk inlet nipple only
56339-3	90° parallel milk inlet nipple only, 5/8" for 4" line

Blank Inlet Cover - with pad and clamp

56346	1 1/2"
56347	2"
56348	3"
56349	4"
56345	Blank inlet cover only, Less clamp and gasket



Gasket for 2" to 4" Pipe

56303	Gasket for 1/16" inlet	(1 1/8" x 1 1/8" with 9/16" hole)
56301	Gasket for 5/8" inlet	(1 1/8" x 1 1/8" with 5/8" hole)
56302	Gasket for 3/4" inlet	(1 1/8" x 1 1/8" with 3/4" hole)
56304	Gasket for 1" inlet	(1 1/8" x 1 1/8" with 1" hole)

Gasket for 1 1/2" Pipe

56333	Gasket for 5/8" inlet	(1 1/8" x 1 1/8" with 5/8" hole)
--------------	-----------------------	----------------------------------

Clamp, Only

56315	1 1/2" Clamp
56316	2" Clamp
56317	3" Clamp
56318	4" Clamp



56395
Replacement closure for Stainless DL manifold

UN Vac-saver Inlet



10650
Replacement stainless 5/8" milk canes

Blue Milk Valves

- 56421** 1½"
 - 56422** 2"
 - 56423** 2½"
 - 56424** 3"
-
- 56325** Gray gasket, for top of Blue milk valve
 - 56326** Replacement white seal for Blue Milk Valve
 - 56327** Flat gasket, for bottom of Blue milk valve



Push-Up Cane For Blue Milk Valve

- 56320** ⅝" Standard gooseneck
- Not Shown**
- 56320-1** ⅝" Standard gooseneck, Heavy-Duty



Pull-Down Cane For Blue Milk Valve

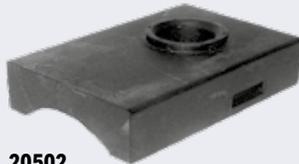
- 56319** ⅝" Reversed gooseneck
- Not Shown**
- 56319-1** ⅝" Reversed gooseneck, Heavy-Duty



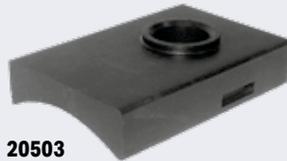
Replacement Stainless Light Duty Milk Valves

- 56332** Top seal for stainless milk valve
- 56333** Bottom seal for stainless milk valve (1⅛" x 1⅛" with ⅝" hole)

Replacement Milk Valve Pads and Milk Canes for Surge®



20502



20503



17186



17189

- 20502** Milk valve pad 2" x ⅝"
- 20503** Milk valve pad 3" x ⅝"
- 20500** Milk valve pad 2" x ⅞"
- 20504** Milk valve pad 1½" x ⅞"
- 05265** ORIGINAL pad 1½" x ⅝" (7750-0234-034 WF/S)

- 20508** E-clip, for Surge® milk valve (per bag of 10)
- 20512** Button spring, for Surge® milk valve
- 05270** Spring, for ⅝" milk valve rod
- 05272** Button, for ⅝" milk valve

- 17182** ⅞" x 90° stainless milk cane
- 17184** ⅞" x 45° stainless milk cane
- 17186** ⅝" x 90° stainless milk cane
- 17189** ⅝" x 45° stainless milk cane

Replacement Inlets, Milk Canes and Parts for DeLaval®



20875 & 20879



20886



20882



20874 & 20878

- 20884** Inlet for 1½" pipe, ⅝"
- 20885** Inlet for 2" pipe, ⅝"
- 20894** Inlet for 1½" pipe, ⅞"
- 20895** Inlet for 2" pipe, ⅞"
- 20886** Inlet for 2½"-3" pipe, ⅝"
- 20879** ⅞" x 135° plastic cane
- 20875** ⅝" x 135° plastic cane
- 20878** ⅞" x 90° plastic cane
- 20874** ⅝" x 90° plastic cane
- 20880** O-ring for ⅞" milk inlet

- 20882** O-ring for ⅞" milk inlet
- 20910** Arm for 1½" & 2" milk inlet
- 20911** Arm for 2½" & 3" milk inlet
- 20912** Arm with cap for 1½" & 2" milk inlet
- 56301** Gasket for ⅝" inlet (1⅞" x 1⅞" with ⅝" hole)
- 56302** Gasket for ¾" inlet (1⅞" x 1⅞" with ¾" hole)
- 20908** Teflon cap, for Kleen Flo® milk inlet
- 20905** ⅞" x 1½" Stainless Dowel Pin, for milk inlet
- 20906** Barbed pin, for DeLaval milk inlet cap



E-Zee
87200

Tank Level Monitor

Can be used with a WIDE variety of Liquids: Milk...Fuel...Water, Etc.

Please Call 888-880-3933 for More Information

- 10101** Rubber 1½" probe holder, with ½" probe hole
- 20040** Junction box
- R35505NP** Deluxe Alarm, Amber Strobe & Audible, 24V DC, 120VAC, 240VAC
- R35506NP** Deluxe Alarm, Red Strobe & Audible, 24V DC, 120VAC, 240VAC
- R35510NP** Economy Alarm, Red LED & Audible Tone
- R35515NP** Bulk Tank Overflow Alarm Controller for 2 Tanks
- R35515NP-1** Bulk Tank Overflow Alarm Controller for 3-4 Tanks
- R35517NP** Low Chemical Alarm Controller for 4 Tanks
- R35525NP** Bulk Tank Alarm Probe Assembly 1 6" Long



R35515NP



R35506NP



R35525NP

Call for Custom Sized Probe

Hose Routing Ports



- A sanitary method for coupling hoses in subway mounted equipment
- Waterproof connection
- Designed for a standard 3" tri clamp fitting

CUSTOM SIZES AVAILABLE UPON REQUEST

- 61080** 4 nipple subway cap with 4" tubes
INCLUDES: 2 - ¾" (¾" OD) tubes & 2 - ½" (¾" OD) tubes
- 61081** 4 nipple subway cap with 4" tubes
INCLUDES: 2 - ¾" (¾" OD) tubes; 1 - ½" (¾" OD) tube, & 1 - ¾" (7/8" OD) tube
- 61090** 4 nipple subway cap with 24" tubes
INCLUDES: 2 - ¾" (¾" OD) tubes & 2 - ½" (¾" OD) tubes
- 61091** 4 nipple subway cap with 24" tubes
INCLUDES: 2 - ¾" (¾" OD) tubes; 1 - ½" (¾" OD) tube, & 1 - ¾" (7/8" OD) tube
- 61078** 3 nipple subway cap ¾" OD x ¾" OD x 7/8" OD
- 61076** 3 nipple subway cap ¾" OD x ¾" OD x ¾" OD

Chore Boy Parts

Look In Claw Parts

- 18072** Look in claw body gasket
- 61320** Look in claw body
- 61479** Black alternating air manifold
- 61702** Claw body cylinder

Stallcock Parts

- 21206** Platform base with o-ring
- 18067** Quad X ring

Quadra Flo Claw Parts

- 16107** CT40 Cross rib gasket
- 61467** Hose adaptor, vented
- 61478** Black alternating air manifold, for Quadra Flo claw

Misc. Chore Boy Parts

- 16500** R 200 2-2 V gasket, for 4 1/8" disc filter
- 18011** CP58 plain hose plugs non-vented
- 18047** Flap valve grommet
- 18055** Streamline claw rubber cap
- 18056** 1" drain rubber flap valve
- 61554** Multi tap control box AC output
- 61594** Multi Tap control box DC output
- 16513** Lexan Dump chamber gasket
- 18026** Dump chamber inlet valve

Kleen Flo® Multiple Voltage Power Supply Test Box

Not For Testing Large Motors



61585

Portable Power Supply Test Box

Designed for the Service Techs troubleshooting out on the dairies or at their workshop bench. Service truck friendly with convenient carry handle and pipeline hanger.

Have you ever been on a service call wondering if the problem is a dead output on the circuit board or if the device being powered is defective?

With this new portable power supply, you can power a wide range of devices individually such as drain motors or valves, air injector valves, pulsator coils, detacher coils, contactor coils, circuit boards etc.

Equipped with a Switch Test Port for testing any type of switch function, such as Toggle, Push Button and Reed Switches.

Only for testing one component at a time as the outputs are low wattage.

Kleen Flo® Pasteurizer

Illustrations pg. 169

All stainless steel to protect your milk quality and flavor. Heavy-duty two-gallon capacity milk pasteurizer uses the same principles of pressurized heating and vacuum-sealed cooling found in the best commercial pasteurizers.

Thermostatic control ensures preservation of natural flavor while eliminating all harmful bacteria. The milk is heated in the inner milk container in a hot water bath to a preset temperature of approximately 158° at which time a buzzer sounds. Hot water is drained off and cold water is circulated to cool the milk.

ADJUSTABLE THERMOSTAT



Ship Wt. 12 lbs.

PASTEURIZER INCLUDES:

inner and outer stainless steel buckets, lid, gasket, hoses and instructions.

Pasteurizer

30500 2 Gallon, 120 volt

30520 2 Gallon, 240 volt

Replacement Parts

30560 Heating Element, for 120

30565 Heating Element, for 240

99715 Lid gasket

30567 Pasteurizer hose, with faucet adapter

30572 Power cord, for 120 volt pasteurizer

30571 Power cord, for 240 volt pasteurizer

30569 Buzzer, for 120 or 240 volt pasteurizer

30568 Thermostat, for 120 or 240 volt pasteurizer

30555 Pasteurizer Inner bucket, with lid, latch assembly & ball

96000 Red knob

Poly Clamps and Mounting Rails for Hanging Pipe

Gray Poly Clamp for PVC



- 54681 1½"
- 54682 2"
- 54683 3"
- 54684 4"

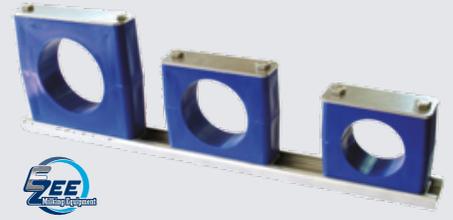
Black Poly Clamp for Stainless



- 54674 1½"
- 54675 2"
- 54676 2½"
- 54677 3"
- 54678 4"

Parts for Poly Clamps

- 54687 SS single bracket 4.3" x 6.1"
- 54688 SS single bracket 4.3" x 7.7"
- 54689 SS single bracket 4.3" x 10.1"
- 54690 SS dual bracket
- 54707 U-Bolt, for 54681
- 54708 U-Bolt, for 54682 & 54676
- 54709 U-Bolt, for 54683 & 54678
- 54710 U-Bolt, for 54684
- 54701 U-Bolt, for 54674
- 54702 U-Bolt, for 54675
- 54704 U-Bolt, for 54677
- 54713 5/16" - 18 serrated flange nut
- 54714 3/8" - 16 serrated flange nut



Clamp for PVC Pipe

- 54657 1½"
- 54654 2"
- 54655 3"
- 54656 4"

Clamp for Stainless Pipe

- 54650 1½"
- 54651 2"
- 54649 2½"
- 54652 3"
- 54653 4"

Mounting Rail

- 54659 16"
- 54660 24"
- 54661 48"

Headlamps & Flashlight



87000
Luxury LED light weight rechargeable LED headlamp,
150 Lumens



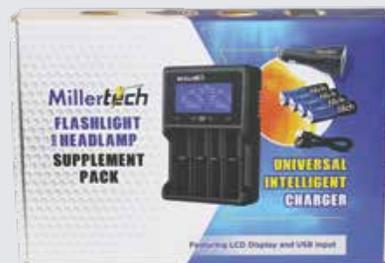
87001
MillerTech heavy-duty, rechargeable LED headlamp,
High Power, 750 Lumens



87002
MillerTech heavy-duty, rechargeable LED headlamp,
Double Power, 1800 Lumens



87003
MillerTech heavy-duty, rechargeable LED Tactical Light,
750 Lumens



87010
MillerTech Flashlight & Headlamp Supplement Pack,
Includes, batteries & chargers



Pipeline Brackets

- 61299** Blue L Bracket, *with clamp kit (6" x 9")*
- 61310** Blue L Bracket only, *no clamps*
- 61296** Blue Extended L bracket, *with clamp kit (6" x 11")*
- 61295** Blue Extended L Bracket only, *no clamps*
- 61301** Blue Extended U bracket, *with clamp kit (6" x 5½ x 9")*
- 61313** Blue Extended U bracket only *no clamps*
- 61305** Blue U Bracket, *with clamp kit (6" x 5½ x 6")*
- 61316** Blue U bracket only, *no clamps*

Pipeline Bracket Parts

- 61317** Stainless clip, *only*
- 61318** Small S/S clamp
- 61319** Large S/S clamp



17580 Alternating hose clip for 5/8"

17578 Alternating hose clip for 3/4"



17586 Tension hanger
For up to 2" line



10000 Stainless pipeline carrying hangers



17582 Hose hook with single loop 2"

17583 Hose hook with single loop 3"

17589 4' Bungee cord, with clips and 2" hook

17590 4' Bungee cord, with clips and 3" hook

17595 4' Bungee cord, without hook

17593 Clip, only

17598 Bungee cord, only (per foot)

Quarter Milker

Illustration pg. 168



This rugged STAINLESS STEEL Quarter Milker is designed to last a lifetime. The checkball system is on both milk ports in case the hoses should be assembled incorrectly.

7 Quart Capacity: 16 lbs
Overall size:
9½" wide x 15" high

- 30270** Complete Stainless Quarter Milker
- 30271** Lid only
- 30269** Stainless bucket only
- 34016** Checkball, with cage
- 30266** Plastic 3/8" hose connector
- 25195** Lid gasket

Please note that the checkballs do not guarantee milk from going in the milk line, (especially in cases where the quarter milker is tipped over) but they have been proven to stop it in most other cases.

RJB Quality Milk Isolator



- Extra large 4" opening for cleaning
- Heavy-duty stainless steel bail holds lid in place
- Extra large 2 gallon capacity
- Large bore very flexible silicone hoses
- 90° elbow allows inflation to hang upright

- 76505** Complete Quarter Milker
- 76511** Lid
- 76514** Lid gasket
- 76517** Silicone hose 24" (to inflation)
- 76518** Silicone hose 26" (to claw)
- 76521** Stainless steel elbow
- 76524** Stainless steel bail

Econo Quarter Milker



(8 liter - 5 quart)

- 30272** White Plastic Econo Quarter Milker
- 30273** Lid, Only
- 30275** Flat lid gasket
- 30276** Lid o-ring



Vibra King Vibrating Chambers

Vibratory chambers that deliver high performance deburring, polishing, descaling and surface conditioning!

HIGH ENERGY - FAST PROCESS RESULTS



- Cleans a wide variety of parts: claw tops, shells and much more
- Put parts in, return 30-60 mins later for clean-polished items, this will vary on dirt volume

- 80735** Model 45 Combi Pak, 120V/single phase, w/sound dampening lid
- 80736** Model 45 Combi Pak, 220V/single phase, w/sound dampening lid
- 80740** Model 85 Combi Pak, 220V/single phase, w/sound dampening lid
- 80750** Divider, for Model 25 & 45
- 80751** Divider, for Model 85

All Vibra King Chambers Except 1 to 4 Dividers



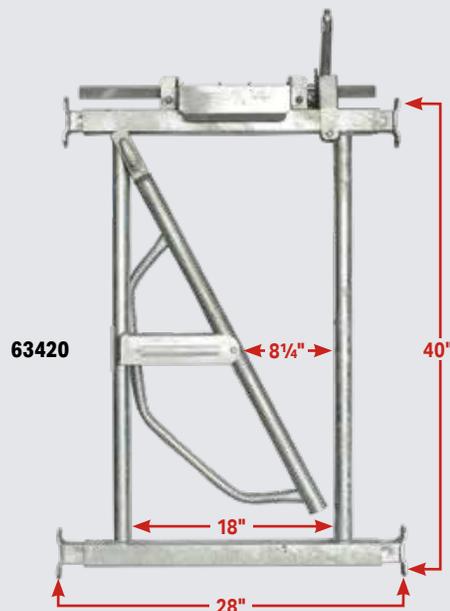
Vibratory Media & Accessories

- 80752** BKS-60 Soap for Tumbler, 1 Gal
- 80753** Filter Pack for Tumbler, 15 MICRON, 10 per pk
- 80756** ACC50A Media, 50 lbs, angle cut, 1/4" x 3/16" (Not for use with shells or DL Flo-View claws)
- 80757** ACC50HH Media, 50 lbs, angle cut, 3/8" x 3/8", P40 grade



28" Head Lock Gate for 1 Cow

- Ideal for Single Cow Operation
- Easy to Install
- Galvanized
- Very Durable

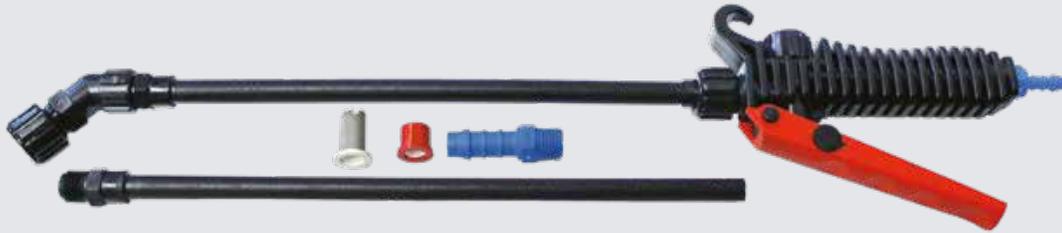


Stainless Milk Jug Filler



- 54715** 1 1/2" Milk jug filler, bevel seat fitting
- 54716** 1 1/2" Milk jug filler, tri clamp fitting
- 54720** 2" Milk jug filler, bevel seat fitting
- 54721** 2" Milk jug filler, tri clamp fitting
- 54725** 3" Milk jug filler, bevel seat fitting

Dema Iodine Spray Gun Kit



79400

- 79400 Dema Iodine Spray gun kit
- 76640 PowrDipper PLUS, for cows with big teats

- 76709 Clear vinyl tubing 100' Roll (1/4" ID x 3/8" OD)
- 76718 Drag hose, crack and scuff 100' Roll (1/4" ID x 3/8" OD)

FOAM-iT



76912
Foam applicator,
with 12' coiled tube

76902 Pump with Santoprene seals, for Santo pump
INCLUDES:
Hose barsbs, air fitting, and exhaust barb

76904 Air regulator, for Santo wall mount teat foam unit

76910 Foam dip cup assembly - 2

76914 Foam applicator, #2 assembly with 25' coiled tube

76916 25' coiled 1/4" polyurethane red/blue tubing

76919 1/2" SS Male by twin. 170" barb

76920 Foam dip cup-PVC

76921 Wadding, for teat gun

76922 3/4" MGH x 1/2" MPT poly nipple

76923 12' coiled 1/4" polyurethane red/blue tubing

76924 1/2" Female poly pipe elbow, 90°

76925 3/8" Pump fitting

76926 1/2" Black poly pro x 6" pipe

76927 1/4" Pump fitting

76928 1/2" Poly spray gun handle assembly

76929 1/4" Check valve, for foamer hose

76930 Oetiker clamp, for foamer line



76900

Wall mounted teat foam unit - Santo

76931 Acetal Copolymer Bulkhead Union, 1/4" Tube Size

76932 1/4" polyurethane red tubing

76934 1/4" polyurethane blue tubing

76937 3" Coated weight, for teat unit hose

76938 Mesh strainer, for teat unit hose

76939 1/4" x 3/8" hose barb, for teat unit hose

76944 1/4" x 3/8" Plastic union, push connect on both ends

76945 1/4" Plastic union tee

76946 1/4" Plastic plug, for union tee

Hose Supports

The 1½" U-bolts will fit up to a 1¾" OD pipe, and the 2" U-bolts will fit up to a 2½" OD pipe

ALL STAINLESS



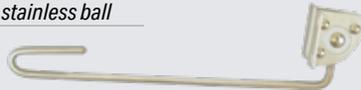
Standard Bend Unit

- 10552 21" arm, with stainless ball
- 10554 24" arm, with stainless ball



Reversed Bend Unit

- 10581 21" arm, with stainless ball
- 10582 24" arm, with stainless ball



Standard Double Bend Unit

- 10586 21" arm, with stainless ball
- 10585 24" arm, with stainless ball



Reversed Double Bend Unit

- 10588 21" arm, with stainless ball
- 10587 24" arm, with stainless ball



CUSTOM DESIGNED LENGTHS & STYLES AVAILABLE
CALL FOR PRICING

Square U-bolts are available. Please specify if you are mounting to square tubing instead of pipe.



10548

10598

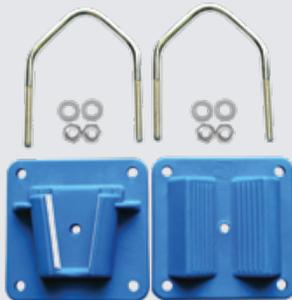
Miscellaneous Parts for Hose Supports

- 10548 Hose support mounting kit, less arm and ball
INCLUDES: Brackets, Bushings, Carriage Bolts, Locknuts & U-bolts
- 10553 Nylon bushing, for hose supports
- 10551 U-bolt for 1½" hose support, with nuts and washers
- 10549 U-bolt for 2" hose support, with nuts and washers
- 10598 Square U bolt for hose support - fits up to 2½" square tubing
- 10546 Right hand bracket
- 10547 Left hand bracket
- 10589 Stainless ball, for hose support, (replaces blue plastic ball)
- 10544 Stainless 5/16" locknut, for hose supports
- 10545 Stainless 5/16" x 2½" carriage bolt, for hose supports

Hose Support Arms, Only

- 10567 21" standard bend, with stainless ball
- 10568 24" standard bend, with stainless ball
- 10569 21" reversed bend, with stainless ball
- 10570 24" reversed bend, with stainless ball
- 10573 21" standard double bend, with stainless ball
- 10575 24" standard double bend, with stainless ball
- 10574 21" reversed double bend, with stainless ball
- 10576 24" reversed double bend, with stainless ball

Waikato® Milk Meter Parts



- 84269 Complete V-block assembly
- 84231 U-bolt kit, only



- 84271 Stainless mounting bracket



- 84261 5 piece repair kit for meter



- 84263 6 piece repair kit for meter

- 84275 Gasket for dome
- 84278 Valve housing /Flask Seal
- 84270 Bung for 65lb (open flask)
- 84259 Tap strap only

- 84260 3 way tap with strap
- 99890 2½" x 5/8" stainless tube
- 84273 Flask depressor o-ring

Stainless Steel Buckets

- 304 stainless steel 18 gauge buckets
- Please specify if you want a short or long handle by ordering the specified part number
- Bucket ratio: 8lbs = 1Gal

SEE PAGES 88 & 89
for lids

35 lb. Bucket – Dimensions: 11½" w X 13¾" h

- 30135** Short handle bucket
- 30136** Long handle bucket

55 lb. Bucket – Dimensions: 12¾" w x 18½" h

- 30155** Short handle bucket
- 30156** Long handle bucket

65 lb. Bucket – Dimensions: 13½" w x 18½" h

- 30165** Short handle bucket
- 30166** Long handle bucket



75 lb. Bucket – Dimensions: 13½" w x 20" h

- 30175** Short handle bucket
- 30176** Long handle bucket

80 lb. Bucket – Dimensions: 14¼" w x 19½" h

- 30180** Short handle bucket
- 30181** Long handle bucket

90 lb. Bucket – Dimensions: 14¼" w x 20½" h

- 30190** Short handle bucket
- 30191** Long handle bucket

Miscellaneous Bucket Parts

- 30151** Short handle only for regular stainless bucket – 8"
- 30152** Long handle only for regular stainless bucket – 9"
- 30154** Trimming charge to make bucket fit WF lid

- 30157** Bucket tilt handle for bottom rim
- 30159** Stainless hanger to hang up bucket
- 30158** Ear bracket, for milk bucket handle (weld on)



68 lb. Plastic Buckets and Parts



- 30300** Bucket – with short handle
- 30304** Bucket – with long handle
- 30301** Short handle
- 30302** Long handle
- 30307** Handle clip kit

No Warranty on these plastic buckets
NOT FDA APPROVED

Plastic Eco Bucket and Parts



- 63489** 65 lb with long handle
- 63490** 65 lb with short handle
- 63491** Side ear kit
- 63492** Base
- 63493** Short handle
- 63494** Long handle

FDA APPROVED MATERIAL

Stainless Steel Milk Cans

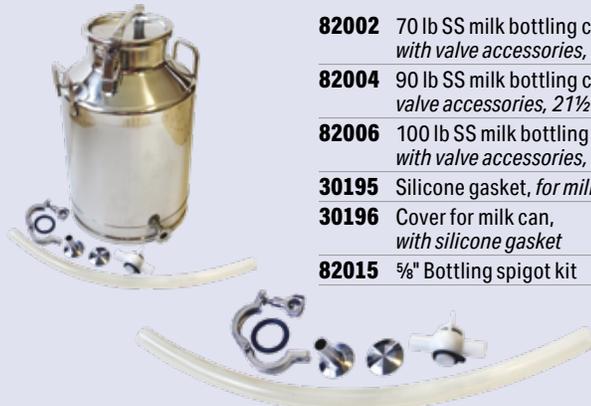
These cans are made of 18 gauge stainless and are for holding milk only and are not designed to have vacuum applied. Lid and gasket are included. Lids have a silicone seal. The lid attaches using 2 "snap down" latches directly across from each other. These milk cans are not stackable.



- 30194** 70 lb can with cover, 17½" x 12½"
- 30192** 90 lb can with cover, 21½" x 13½"
- 30197** 100 lb can with cover, 25½" x 13½"
- 30195** Silicone gasket, for milk can lid
- 30196** Cover for milk can, with silicone gasket

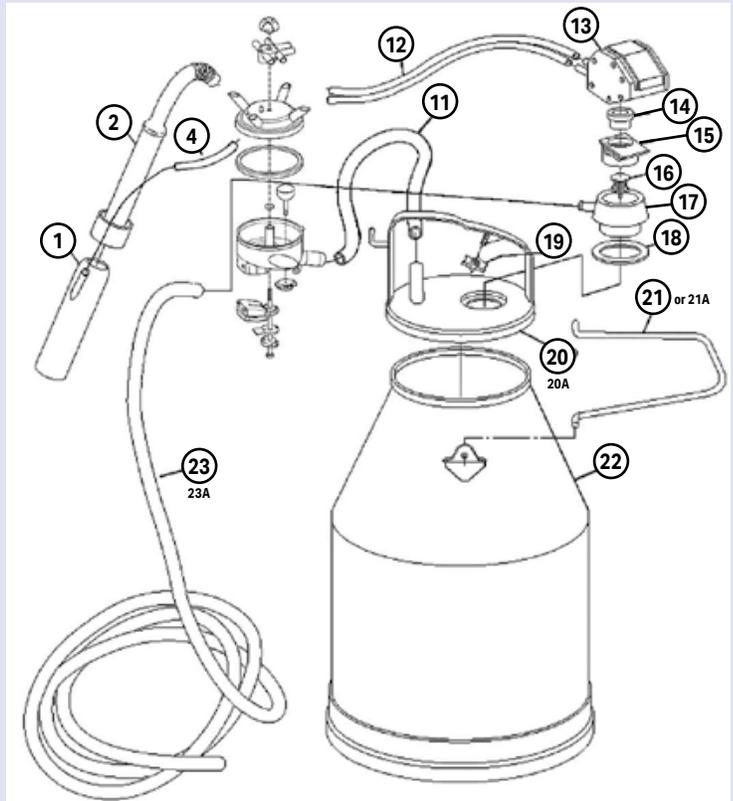
Milk Bottling Cans

We have taken our 18 gauge stainless milk can and designed a milk bottling can. Comes with tri clamp nipple, heavy-duty clamp, gasket, end cap, delrin valve and 2' - 5/8" silicone tubing



- 82002** 70 lb SS milk bottling can with valve accessories, 17½" x 12½"
- 82004** 90 lb SS milk bottling can with valve accessories, 21½" x 13½"
- 82006** 100 lb SS milk bottling can with valve accessories, 25½" x 13½"
- 30195** Silicone gasket, for milk can lid
- 30196** Cover for milk can, with silicone gasket
- 82015** 5/8" Bottling spigot kit

Complete Bucket Units



SEE PAGES 4 & 5 for Claw Parts
SEE PAGE 16 for Pulsator Parts
SEE PAGES 93-94 for Portable Vacuum Pumps

Unit with D#95 Pulsation and 14300 Kleen Flo® Claw

- 30005 35 lb S/S Bucket Unit
- 30010 55 lb S/S Bucket Unit
- 30015 65 lb S/S Bucket Unit
- 30020 75 lb S/S Bucket Unit
- 30025 80 lb S/S Bucket Unit
- 30030 90 lb S/S Bucket Unit
- 30045 68 lb Plastic Bucket Unit
- 30050 50 lb Plastic ECO Bucket Unit
- 30055 65 lb Plastic ECO Bucket Unit
- 30002 Unit, *without bucket*

Unit with D#95 Pulsation and 10867 Flow-view claw

- 30005-1 35 lb S/S Bucket Unit
- 30010-1 55 lb S/S Bucket Unit
- 30015-1 65 lb S/S Bucket Unit
- 30020-1 75 lb S/S Bucket Unit
- 30025-1 80 lb S/S Bucket Unit
- 30030-1 90 lb S/S Bucket Unit
- 30045-1 68 lb Plastic Bucket Unit
- 30050-1 50 lb Plastic ECO Bucket Unit
- 30055-1 65 lb Plastic ECO Bucket Unit
- 30002-1 Unit, *without bucket*

Unit with HP 102 Pulsation

- 30100 80 lb S/S Bucket, *with 14300 Kleen Flo® claw*
- 30100-1 80 lb S/S Bucket, *with 10867 Flow-view claw*

Unit with Vacupuls Pulsation

- 30110 80 lb S/S Bucket, *with 14300 Kleen Flo® claw*

- 1 **10010** Rolled edge shell
- 2 **25003** KF-01 inflation
- 4 **25155** 9" air tube
- 5 **14300** New style claw with valve
SEE PAGES 4-5 for Claw Parts
- 11 **25145** 32" x 5/8" clear milk hose
- 12 **25143** 37" x 9/32" twin rubber hose
- 13 **20360** D#95 pulsator assembly
SEE PAGE 16 for Pulsator Parts
- 14-18 **23031** Complete Adaptor for D#95
- 14 **23029** Chamber seal
- 15 **23040** Chamber slide
- 16 **23027** Check valve for chamber
- 17 **23056** Chamber housing
- 18 **23028** Chamber gasket
- 19 **33004** Plastic lid nut
- 19 **33002** Stainless lid nut
- 20 **33000** Stainless lid
- 20A **25195** Lid gasket
- 21 **30151** Stainless handle, short
- 21A **30152** Stainless handle, long
- 22 **30165** 65 lb bucket
- 23 **25141** 6' x 1/2" rubber vacuum hose
- 23A **25140** 12' x 1/2" clear vacuum hose

NuPulse Cow Bucket Units



- 10150NP** 65 lb SS Bucket *with Original Std Claw*
- 10154NP** 68 lb Plastic Bucket *with Original Std Claw*
- 10158NP** 65 lb SS Bucket *with FuFlo PP Claw with Shutoff and Silicone Hose*
- 10153NP** 35 lb SS Bucket *with Original Std Claw*
- 10157NP** 55 lb SS Bucket *with Original Std Claw*
- 10159NP** 35 lb SS Bucket *with FulFlo Claw with Shutoff and Silicone Hose*



33500

For Short Handle DeLaval® Style Buckets

Lids for Vacuum Pulsation

- 33000** DL style lid for HP® Pulsators, 5/8" ID
- 33034** DL style lid for HP® Pulsators, 3/4" ID
- 33095** DL style lid for goat unit, double hooks, 5/8" inlets
- 33500** Stainless lid and D#95 combination, for cows
- 33504** Stainless lid and D#95 combination, for goats
- 25195** Lid gasket
- 33004** Plastic lid nut
- 33002** Stainless lid nut

Trap Lids

- 34310** 5/8" stainless trap lid, with checkball, 90°
- 34300** 5/8" stainless trap lid, less checkball, 90°
- 34325** 3/4" stainless trap lid, with checkball, 90°
- 34320** 3/4" stainless trap lid, less checkball, 90°
- 34000** 5/8" stainless trap lid, less checkball
- 34100** 5/8" stainless trap lid, with checkball
- 34312** 5/8" stainless trap lid with 3 - 5/8" 90° elbows
- 25195** Lid gasket
- 10130** Cage assembly for larger style trap lids
- 10132** Ball for cage assembly on trap lid



34300



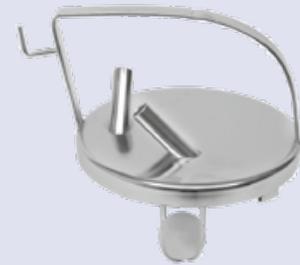
34312



33000



33095



34100

For Longer Handle DeLaval® and Westfalia® Style Buckets

Lids for Vacuum Pulsation

Illustrations pg. 158



- 33050** High handle lid for HP pulsator
- 33075** WF style lid complete, 5/8" ID
- 33076** WF style lid, 5/8" ID, less parts
- 33080** WF style lid complete, 3/4" ID
- 33081** WF style lid, 3/4" ID, less parts

Parts

- 17519** Gray vacuum Y for lid
- 25187** O4TS milk tubes
- 17533** Replacement plug for WF style lid
- 17526** Rubber lid o-ring
- 17531** Ball for lid
- 17527** Plastic lid base
- 17529** Threaded stainless pulsator base, for WF bucket lid, (weld on replacement)
- 17528** Screw for lid base
- 25195** Lid gasket

For Longer Handle Buckets

Trap Lids



5 notch handle design with 45° milk inlet elbows

- 34010** Stainless trap lid, 5/8" ID, without checkball
- 34011** Stainless trap lid, 5/8" ID, with checkball
- 34013** Cage only for ball - smaller style
- 35212** Checkball only
- 34016** Checkball and cage assembly
- 25195** Lid gasket

Replacement Lids For Trap Buckets



34250



35200



34255

- 34250** Stainless 5/8" 90° trap lid, with gasket 6 3/4" ID x 8 1/2" OD
- 34251** Stainless 3/4" 90° trap lid, with gasket 6 3/4" ID x 8 1/2" OD
- 34260** Stainless 5/8" 90° trap lid, with gasket & checkball
- 34255** Stainless 5/8" straight inlet trap lid, with gasket
- 34256** Stainless 3/4" straight inlet trap lid, with gasket
- 34265** Stainless 5/8" straight inlet trap lid, with gasket & checkball
- 35200** Clear plastic trap lid, with gasket 6 3/4" ID x 8 1/2" OD
- 35201** Clear plastic trap lids, with gasket & checkball
- 35205** Lid only, less gasket

Parts

- 35210** 3/4" checkball, with cage & screw
- 35212** 3/4" checkball, only
- 35213** Cage, only for clear plastic trap lid
- 34013** Cage, only for stainless trap lid
- 35005** Gasket, 6 3/4" ID x 8 1/2" OD for plastic and stainless lids



35210



- 35175** Blue plastic trap lid
- 35177** Gasket

Lid Gaskets



25195

- | | | | |
|--------------|---------------------------------------------------------------------------------------------------|------------|-----------|
| 25195 | Lid gasket, for new style DL (#1053),
(Fits all E-Zee lids and most of Schlueter and Coburn's) | 6 1/2" ID | 8" OD |
| 25196 | Lid gasket, for O/S DL (#1041), smaller w/shutoff, | 6 3/16" ID | 7 7/8" OD |
| 25197 | Lid gasket, for WF (#1051), | 6 3/8" ID | 7 3/4" OD |
| 25199 | Lid gasket, for Surge® (#1047), | 6 3/8" ID | 7 7/8" OD |
| 38170 | Thick lid gasket, for DV300 lid, | 6 1/8" ID | 7 7/8" OD |

Miscellaneous Replacement Lid Parts



- 33040** Blank lid, for short bucket handle
- 33042** Blank lid, for long bucket handle

- 33002** Stainless nuts for DL HP lids
- 33003** Stainless lid nut, WITH extension for higher lids for OHTA® pulsator
- 33004** Plastic nuts for DL HP lids
- 33008** Lid spacers (turns a HP lid into a fresh cow lid)
- 33007** Lid spacers (requires an HP style chamber)
- 33009** Lid adaptor with trap ball
- 33012** Shutoff valves for pail lids
- 33013** Short bucket handles for old style DL buckets
- 33014** Long bucket handles for old style DL buckets

Complete ECO Goat Milking Units

Bucket units come complete with Eco Goat Cluster Unit, a D#95 pulsator with 50:50 ratio – 90ppm.

- 63496 35 lb Stainless bucket unit, with 2 Eco goat clusters
- 63498 35 lb Stainless bucket unit, with 1 Eco goat cluster
- 63501 55 lb Stainless bucket unit, with 1 Eco goat cluster
- 63502 55 lb Stainless bucket unit, with 2 Eco goat clusters
- 63505 68 lb Plastic bucket unit, with 1 Eco goat cluster
- 63506 68 lb Plastic bucket unit, with 2 Eco goat clusters

ALSO AVAILABLE FOR SHEEP MILKERS



ECO Goat and Sheep Cluster and Parts

These goat cluster units are shipped fully assembled with 2 plastic claws, shells, silicone inflations and tubing.



- 63540 Complete Eco goat clusters (as pictured)
- 63528 Silicone inflations, without milk tube for goats, sold individually
- 63529 Plastic Shell
- 63541 Claw assembly, vented
- 63162 Tube assembly holder
- 63534 Vacuum Y for cluster
- 25155 Air tube for cluster
- 25190 Milk tube for cluster
- 63537 Bumper for claw

- 63538 Weight for claw
- 63544 Goat claw with lever for goat cluster less weight and bumper
- 63542 Shutoff lever
- 63547 O-ring, for goat claw shut off lever
- 63548 Small green vacuum valve (3/32" ID)
- 63549 Large green vacuum valve (1/2" ID)
These green valves are not approved – for Grade A in most states.
- 63161 Y piece, for milk, 1/2 to 3/4 milk hose
- 33504 Stainless lid and D#95 combination, for goats

GOAT & SHEEP MILKERS

Electric Pulsation for Goats

120 or 240 volt pulsation plastic box comes with a 12-unit Kleen Flo® circuit board for BouMatic® pulsation.

- 10 Ratios from 50:50 to 70:30
- 16 adjustable position speeds from 60 to 190 PPM
- Runs 12 Pulsators

18-Month Limited Warranty



- 43200 Kleen Flo® B pulsation controller, 24VDC output
- 43205 Kleen Flo® B pulsation controller, LESS circuit board



43185
Replacement pulsator, stanchion barn model, less fresh air

With Short Circuit Protection!

SEE PAGE 20 for more information and for pulsator part numbers.

The ITP207 has a diaphragm operated auto shutoff valve

Illustration pg. 170



63104 Classic milking *goat* unit, with ITP 207 valves

- 63534** Vacuum Y for cluster
- 63161** Y piece for 1/2" to 3/8" milk hose
- 63162** Tube assembly holder
- 63163** Tubing holder ring, large
- 63270** ITP207 Automatic shut off valve
- 63157** Silicone goat liner, sold individually
- 63156** Silicone sheep liner, sold individually
- 63165** Air hose
- 63166** Milk hose

ITP® Complete Goat Milking Units

Bucket units come complete with: ITP Goat Cluster Unit and a D#95 pulsator, 50:50 ratio - 90 ppm.

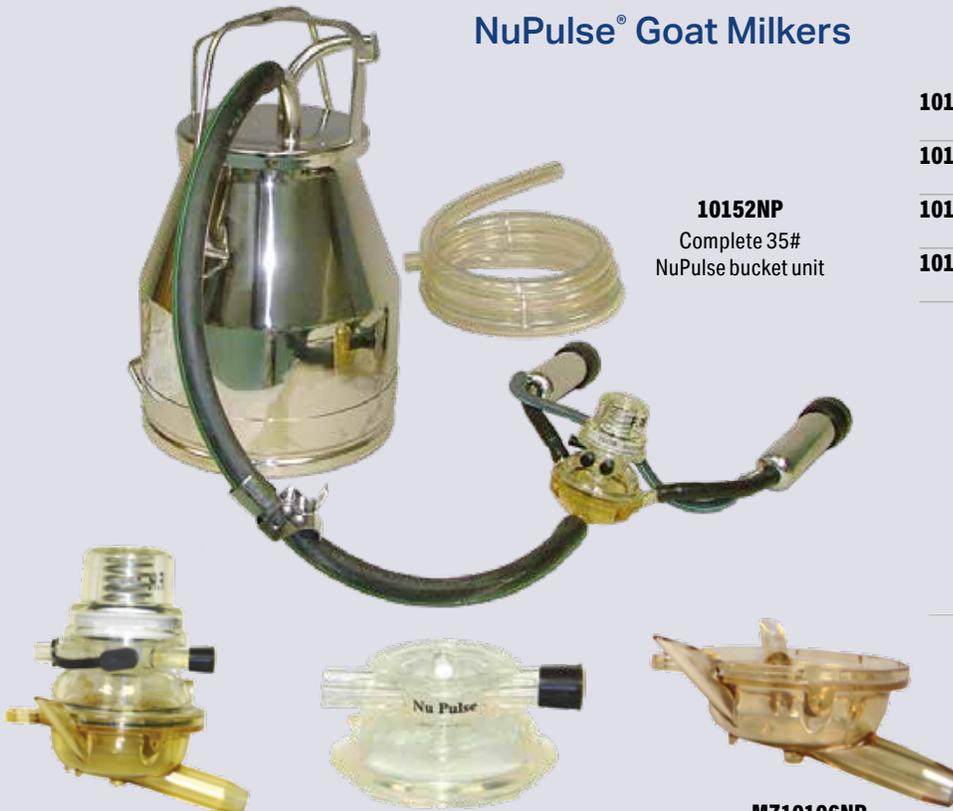
- 63474** 65 lb Eco plastic bucket unit with 1 ITP goat cluster
- 63475** 65 lb Eco plastic bucket unit with 2 ITP goat clusters
- 63460** 35 lb Stainless bucket unit with 1 ITP goat cluster
- 63461** 35 lb Stainless bucket unit with 2 ITP goat clusters
- 63466** 55 lb Stainless bucket unit with 1 ITP goat cluster
- 63467** 55 lb Stainless bucket unit with 2 ITP goat clusters
- 63470** 68 lb Plastic bucket unit with 1 ITP goat cluster



63475

GOAT & SHEEP MILKERS

NuPulse® Goat Milkers



10152NP
Complete 35#
NuPulse bucket unit

- 10151NP** 65 lb SS Bucket with 2 Goat Claws Complete
- 10155NP** 68 lb Plastic Bucket with Goat Claw Complete
- 10152NP** 35 lb SS Bucket with Goat Claw Complete
- 10156NP** 35 lb SS Bucket with 2 Goat Claws Complete

10101NP
NuPulse Goat Claw

MZ10100NP
NuPulse Goat Claw Middle

MZ10106NP
NuPulse
Goat Claw Base

25059
TLC-U1

MZ10050NP
NuPulse Goat Inflations
(set of 4)

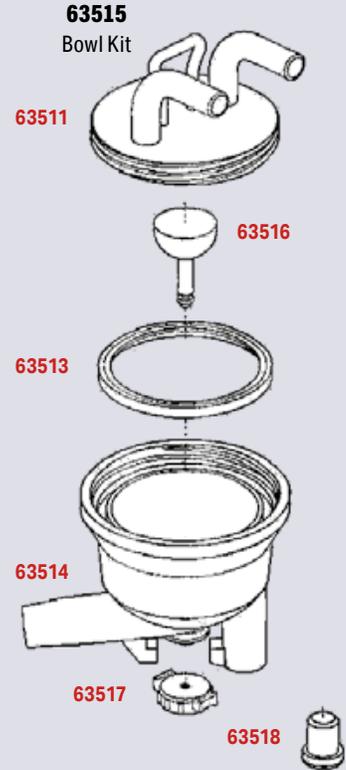


63510
Flo Vu® style goat/sheep claw
with 90° inlets

Complete Sheep Cluster Unit

- 63512-1 INCLUDES:**
- | | |
|-----------------|-------------------------------------|
| 1- 63510 | Complete claw |
| 2- 63149 | Silicone sheep liner with long bend |
| 2- 63151 | Plastic shells |
| 2- 25155 | 9" air tubes |
| 1- 63534 | Vacuum Y adaptor |

- | | |
|--------------|----------------------------------------------|
| 63515 | Plastic bowl kit, for 63510 goat claw |
| 63511 | Stainless claw top only, for 63510 goat claw |
| 63513 | Gasket only, for 63515 bowl kit |
| 63514 | Plastic bowl only, for 63515 bowl kit |
| 63516 | Shutoff, for 63515 bowl kit |
| 63517 | Shutoff clip, for 63515 bowl kit |
| 63518 | Bumper, for 63515 bowl kit |



Goat/Sheep Milker Parts

- | | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 63010 | Plastic shell for sheep/goat (uses 63015 inflation)
(Use 25162 or 27322 jetter cups for washing) |
| 63015 | Inflation for sheep/goat shell, longer style 9½", sold individually
(For use with 63010 or 10017 shells and also for Surge belly units) |
| 63020 | Inflation for sheep/goat milker, shorter style 8", sold individually
(For use with 63010 or 10017 shells) |
| 63025 | Silicone inflation without milk tube, for sheep, sold individually |
| 63028 | Plastic shell for silicone inflation without milk tube, for sheep |
| 10017 | Jet-Flo shell |



Deluxe Model

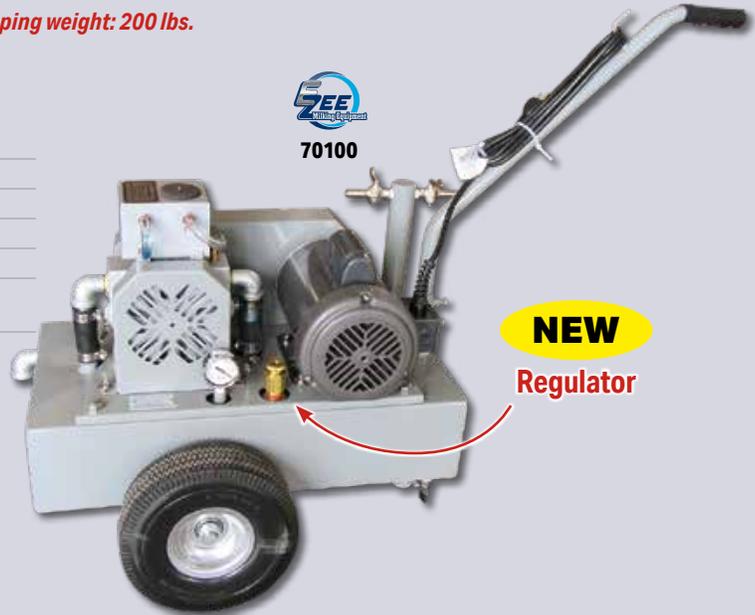
Illustrations pg. 170

This portable pump is a very heavy-duty unit and can be wheeled almost anywhere you need it to go. It comes with a Conde #3 vacuum pump and a 1 HP Farm Duty motor on a cart with 10" air tires. Plugs into a standard 120 VOLT/15 AMP outlet. The balance tank, regulator, vacuum gauge, and other parts are all included. (As shown)

UNITS SHIP FULLY ASSEMBLED VIA TRUCK FREIGHT

Shipping weight: 200 lbs.

- 70100 Portable pump unit, *only*
- 70110 Portable pump unit, with 1 – 30045 plastic bucket unit
- 70120 Portable pump unit, with 2 – 30045 plastic bucket units
- 70210 Portable pump unit, with 1 – 30015 stainless bucket unit
- 70220 Portable pump unit, with 2 – 30015 stainless bucket units
- 70310 Portable pump unit, with 1 – 10150NP NuPulse stainless bucket unit



1 YEAR WARRANTY

Gas Engine Model

Conde #3 Vacuum Pump with a 3 HP Honda Engine, Heavy duty cart and 10" Air Tires

- 70400 Portable pump unit, *ONLY*
- 70410 Portable pump unit, with 1 – 30045 plastic bucket unit
- 70415 Portable pump unit, with 2 – 30045 plastic bucket units
- 70420 Portable pump unit, with 1 – 30015 stainless bucket unit
- 70425 Portable pump unit, with 2 – 30015 stainless bucket units

Parts for Portable Pumps

- 70105 Conde #3 pump head, with oiler [Illustration on pg. 171](#)
- 70106 Rebuild kit, for Conde #3 pump
- 70107 Vane, for Conde #3 pump, 4 required
- 70109 Tank oiler wick
- 70103 Rubber oil plug with vent
- 70104 10" air tire
- 67125 Emerson 1hp 1800 rpm motor
- 67223 Vacuum release valve, for portable systems
- 67224 Small 2" vacuum gauge
- 65069 A-32 Belt, for 70100
- 65364 A-39 Belt, for 70400
- 70401 3hp Honda engine



SEE PAGE 87
for Bucket Units



41000NP

NuPulse® Mini Milkers
 This efficient unit was designed by NuPulse and has been sold for years

1 YEAR WARRANTY



10197NP

GREAT PUMP UNIT FOR SHOW COWS OR SMALL FAMILY FARM!

KEY FEATURES:

- Lightweight, unit weighs only 70 lbs
- Dry vane pump, completely oilless
- 120 volt, ready to plug in and go
- Can be shipped via UPS or truck freight

We offer this unit with the E-Zee 65 lb bucket milker or the NuPulse 65 lb bucket milker. The 3/4 HP pump is mounted on a stainless balance tank. It will operate 2 NuPulse bucket units at the same time just fine. However, we recommend if using E-Zee's bucket unit to run only 1 at a time. The NuPulse claw and pulsator are built into one unit which requires slightly less vacuum to run than the E-Zee unit. The E-Zee bucket unit has the vacuum pulsator on the lid and the Kleen Flo® claw.

- 41000NP** 3/4 HP Mini pump unit, only
- 10197NP** 3/4 HP Portable mini milker system, with 1 - 0150NP - SS 65 lb bucket milker
- 10179NP** 3/4 HP Portable mini milker system, with 2 - 10150NP - SS 65 lb bucket milkers
- 10178NP** 3/4 HP Portable mini milker system, with 1 - 30015 - EZ SS 65 lb bucket milker
- 10181NP** 3/4 HP Portable mini milker system, with 2 - 10151NP - SS 65 lb goat bucket milkers
- 10182NP** 3/4 HP Portable mini milker system, with 1 - 10154NP Plastic cow bucket milker
- 10183NP** 3/4 HP Portable mini milker system, with 2 - 10154NP Plastic cow bucket milkers

Parts for P41015NP tank

- P41005NP** Bolt, with loop
- P41006NP** Lid holder disc, with hole
- P41007NP** Wingnut
- P41008NP** Stainless rod, with cotter pin
- P41016NP** Plexi Lid, for Mini Vacuum Tank

CALL FOR MORE PARTS.

VACUUM PUMPS & ACCESSORIES



70090
 Conde #6 pump head, with oiler

Miscellaneous Vacuum Pumps

Conde #6 can be used with a 2 or 3 HP motor. Great for a "build-your-own" vacuum system.

Rated up to 25 CFM

LOBE PUMP MAINTENANCE TIPS

Typical calls on Lobe Pumps

A common service call on a Lobe vacuum pump is because it locked up. This is in most cases from buildup that was created from milk vapor carry over, then followed by the steam from the rinse cycle. In most cases this can be taken care of by flushing the pump.

Flushing Lobe Pumps

The first step to flushing a pump that is locked up is to soak it with a solution to release the hold that the buildup has on the lobes. Another method that is often used is to put a pipe wrench on the pump shaft and force it to turn. **DO NOT** do this! We have seen a lot of pumps being damaged by this method. If soaking the lobes is successful, and the pump will start up, allow 1 quart of cleaner to be pulled through the pump then follow up with 8 oz. of a rust inhibitor/moisture displacer. This fluid should be pulled in through a small tube, not dumped directly into the pump. If a cleaner solution is dumped into the top of the pump without restriction, it could be pushed out through the seals and potentially get into the oil reservoir.

Oil changes...

Lobe pumps with oil on gear end and grease on drive end...

- **OIL CHANGE** – every 5000 hrs.
Oil level should be just below the top of sight gauge
A synthetic gear oil must be used. AEON-PD contains a special additive package designed for greater rust and corrosion protection.
- **GREASE** – every 500 hrs.
add grease until old grease pushes out the relief ports
A #2 red grease must be used for drive end.

Delaval	HP	RPM	CFM @ 15"	Pump Shaft	Pump Pulley	Motor Pulley	Belt	Vane size
DL-76	3	1250	36	3/4"	7.25	5.25		5.998 x 1.925 x .182
DL-777	5	1000	56	28MM	9.25	5.25		7.867 x 2.370 x .208
DL-78	5	800	60	1 1/8"	9.00	4.12	2/3Vx560	7.994 x 3.000 x .243
DL-78	7.5	1090	80	1 1/8"	9.00	5.60	2/3Vx600	
DL-78	10	1250	100	1 1/8"	9.00	6.50	2/3Vx600	
D-L 84	10	765	100	1 3/8"	12.75	5.45		12.00 x 3.464 x .240
Bou-Matic	HP	RPM	CFM @ 15"	Pump Shaft	Pump Pulley	Motor Pulley		
FR-3A	3	1500	35	28MM	7.25	6.25		7.125 x 1.744 x .173
FR-4	5	1500	48	1 1/8"	7.25	6.25		10.988 x 1.744 x .173
FR-4A	5	1500	48	28MM	7.25	6.25		10.988 x 1.744 x .173
DB2000 3 Vane	7.5	850	78	1 1/4"	9.00	5.45		7.988 x 4.596 x .370
DB2000 4 Vane	7.5	850	78	1 1/4"	9.00	5.45		7.991 x 3.879 x .241
Masport	HP	RPM	CFM @ 15"	Pump Shaft	Pump Pulley	Motor Pulley		
M-3	3	1225	35	25MM	6.80	4.60		5.980 x 1.887 x .246
M-3	5	1750	47	25MM	6.80	6.80		
M-4	5	1225	60	28MM	8.00	5.60		10.991 x 2.560 x .180
M-4	7.5	1400	80	28MM	8.00	6.40		
M-5	5	1025	55	30MM	9.40	5.40		5.700 x 2.575 x .307
M-5	7.5	1250	70	30MM	9.40	6.60		
M-7.5	7.5	1025	80	30MM	9.40	5.40		8.556 x 2.575 x .307
M-7.5	10	1250	100	30MM	9.40	6.60		
M-15	10	995	114	1 3/8"	9.40	5.20		12.874 x 2.575 x .307
Surge	HP	RPM	CFM @ 15"	Pump Shaft	Pump Pulley	Motor Pulley		
75 Plus	4.5	940	45	1 1/8"	10.00	5.25		7.247 x 2.494 x .237
100 Plus	5.5	1150	55	1 1/8"	Direct	Drive		7.247 x 2.494 x .237
2300	7.5	1100	82	1 1/8"				8.995 x 3.542 x .240
2300	8	1150	82	1 1/8"	Direct	Drive		
Westfalia	HP	RPM	CFM @ 15"	Pump Shaft	Pump Pulley	Motor Pulley		
RPS 2800	5	800	60	30MM	7"	3.15"	3/3Vx530	12.779 x 3.146 x .310
RPS 2800	7.5	1090	80	30MM	7"	4.12"	3/3Vx530	
RPS 2800	10	1250	100	30MM	7"	5.3"	3/3Vx560	

Pump RPM calculation : For pump speed take 1750 X motor pulley size and divide by pulley size.

Example : 1750 X 6.75 = 11812 divided by 6.15 = 1920 RPM

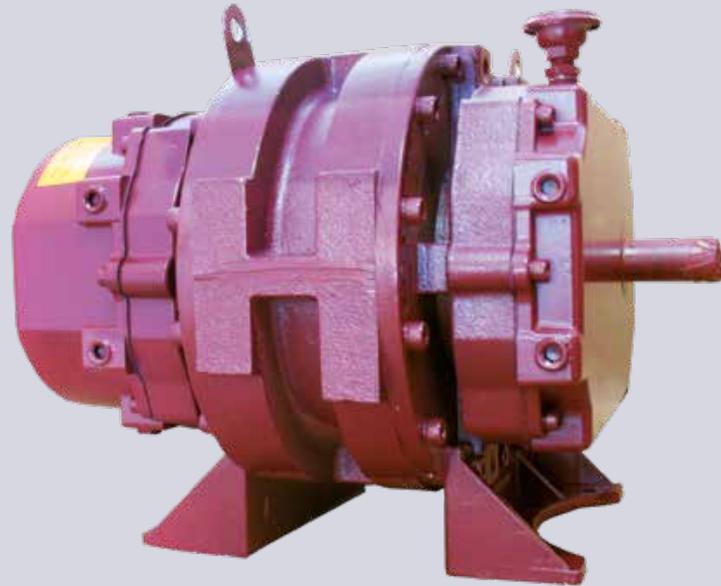
SUTORBILT

Lobe Vacuum Pumps

Featuring "oil splash lubrication" on BOTH ENDS, the Sutorbilt DSL is interchangeable with the Original Sutorbilt® pumps, with respect to the footprint, shaft size, RPM's, port size, and performance.

Replacement Pump Heads, ONLY

- 65405** 3-M Pump head, 2" ports
- 65425** 4-H Pump head, 1½" ports
- 65445** 4-M Pump head, 2½" ports
- 65465** 5-H Pump head, 2½" ports
- 65485** 5-M Pump head, 4" ports
- 65492** 6-M Pump head, 5" ports
- 65499** 7-M Pump head, 6" ports



Performance and Sizing Chart

Model	HP	RPM	Ports	Shaft	CFM/13"	CFM/14"	CFM/15"	Pump Pulley	Motor Pulley	Belts
3-M	5	2550	2"	¾"	60	53	42	46-2B = 4.95"	66-2B = 6.95"	B-59
4-H	5	2175	1½"	⅞"	55	46	40	48-2B = 5.15"	60-2B = 6.35"	B-62
4-H	7½	2900	1½"	⅞"	84	75	68	48-2B = 5.15"	80-2B = 8.35"	B-66
4-M	7½	1920	2½"	⅞"	82	73	66	58-2B = 6.15"	64-2B = 6.75"	B-65
4-M	7½ H/L	1825	2½"	⅞"	78	70	62	58-2B = 6.15"	62-2B = 6.55"	B-65
4-M	10	2400	2½"	⅞"	102	88	80	58-2B = 6.15"	80-2B = 8.35"	B-67
5-H	7½	1520	2½"	1⅞"	82	73	65	60-2B = 6.35"	52-2B = 5.55"	B-62
5-H	9	1915	2½"	1⅞"	102	89	80	60-2B = 6.35"	66-2B = 6.95"	B-65
5-H	10	1975	2½"	1⅞"	108	95	85	60-2B = 6.35"	70-2B = 7.35"	B-65
5-M	15	1875	4"	1⅞"	156	142	132	80-3B = 8.35"	86-3B = 8.95"	B-72
5-M	20	2400	4"	1⅞"	200	190	170	80-3B = 8.35"	110-3B = 11.35"	B-75
6-M	25	1825	5"	1⅞"	265	250	235	68-4B = 7.15"	70-4B = 7.35"	B-67
6-M	30	2130	5"	1⅞"	315	300	285	70-4B = 7.35"	86-4B = 8.95"	B-72

NOTE: Actual CFM readings may vary depending on atmospheric conditions, altitude, temperature, etc.

2 YEAR WARRANTY

Horizontal Stands - Complete Unit Less Motor

Complete units include: pump, stand, silencer and drive kit.
Pump packages are shipped fully assembled.

65410	4-H,	with 5 HP drive kit	for Highline
65420	4-H,	with 7½ HP drive kit	for Highline
65431	4-M,	with 7½ HP drive kit	for Lowline
65430	4-M,	with 7½ HP drive kit	for Highline
65440	4-M,	with 10 HP drive kit	for Lowline
65450	5-H,	with 7½ HP drive kit	for Highline
65452	5-H,	with 9 HP drive kit	for Highline
65456	5-H,	with 10 HP drive kit	for Lowline
65472	5-M,	with 15 HP drive kit	for Lowline
65474	5-M,	with 20 HP drive kit	for Lowline
65490	6-M,	with 25 HP drive kit	for Lowline
65491	6-M,	with 30 HP drive kit	for Lowline
65497	7-M,	with 40 HP drive kit	for Lowline
67115	Horizontal Stand, ONLY		for 5 to 10 HP
67117	Horizontal Stand, ONLY		for 15 to 30 HP
67080	Horizontal Stand, ONLY		for 40 HP



Stand Foot Print Size
20" x 40"

2 YEAR WARRANTY

Vertical Stands - Complete Unit Less Motor

Complete units include: pump, stand, silencer and drive kit.
Pump packages are shipped fully assembled.

65412	4-H,	with 5 HP drive kit	for Highline
65421	4-H,	with 7½ HP drive kit	for Highline
65433	4-M,	with 7½ HP drive kit	for Lowline
65432	4-M,	with 7½ HP drive kit	for Highline
65441	4-M,	with 10 HP drive kit	for Lowline
65451	5-H,	with 7½ HP drive kit	for Highline
65453	5-H,	with 9 HP drive kit	for Highline
65457	5-H,	with 10 HP drive kit	for Lowline
65473	5-M,	with 15 HP drive kit	for Lowline
65475	5-M,	with 20 HP drive kit	for Lowline
65493	6-M,	with 25 HP drive kit	for Lowline
67120	Vertical Stand, ONLY		

SEE PAGE 100 for motor options.



Stand Foot
Print Size
21" x 28"

RBS

Lobe Vacuum Pumps

- Durability, Reliability & Efficiency
- Rigorously tested to meet strict performance criteria to ensure unequaled service life – under the most severe operating conditions
- Vacuum to 15 in Hg
- Helical timing gears for smooth and quiet operation at all speeds
- Reliable dual splash lubrication on both the drive and gear ends for longer product life
- Three-Lobe Rotors offer the highest performances and efficiencies
- Reinforced roller bearings are calculated for a lifespan of 100,000 hours under the most severe operating conditions



Pump Heads, ONLY

66800	35 Pump head
66801	55 Pump head
66802	65 Pump head
66803	75 Pump head
66804	85 Pump head

2 YEAR WARRANTY

Performance and Sizing Chart

<i>Model</i>	<i>HP</i>	<i>RPM</i>	<i>Ports</i>	<i>Shaft</i>	<i>CFM/14"</i>	<i>Pump Pulley</i>	<i>Motor Pulley</i>
RBS 35	7½	2775	3"	38 mm	70	58-3B = 6.15"	94-3B = 9.75"
RBS 35	10	3750	3"	38 mm	100	56-3B = 5.95"	124-3B = 12.75"
RBS 55	10	2165	4"	48 mm	115	64-3B = 6.75"	80-3B = 8.35"
RBS 55	15	3120	4"	48 mm	180	68-3B = 7.15"	124-3B = 12.75"
RBS 65	15	2165	6"	48 mm	155	64-3B = 6.75"	80-3B = 8.35"
RBS 65	20	3120	6"	48 mm	230	60-3B = 6.35"	110-3B = 11.35"
RBS 75	15	1440	6"	55 mm	135	86-3B = 8.95"	70-3B = 7.35"
RBS 75	20	2020	6"	55 mm	205	74-3B = 7.75"	86-3B = 8.95"
RBS 75	25	2400	6"	55 mm	270	70-4B = 7.35"	94-4B = 9.75"
RBS 75	30	2700	6"	55 mm	310	70-4B = 7.35"	110-4B = 11.35"
RBS 85	30	2020	6"	55 mm	300	74-4B = 7.75"	86-4B = 8.95"
RBS 85	40	2740	6"	55 mm	450	70-4B = 7.35"	110-4B = 11.35"

NOTE: Actual CFM readings may vary depending on atmospheric conditions, altitude, temperature, etc.

VACUUM PUMPS & ACCESSORIES

RBS

Horizontal Stands - Complete Unit Less Motor

- 66810 RBS 35, with 7.5 HP drive kit
- 66812 RBS 35, with 10 HP drive kit
- 66821 RBS 55, with 10 HP drive kit
- 66823 RBS 55, with 15 HP drive kit
- 66830 RBS 65, with 15 HP drive kit
- 66832 RBS 65, with 20 HP drive kit
- 66840 RBS 75, with 15 HP drive kit
- 66842 RBS 75, with 20 HP drive kit
- 66844 RBS 75, with 25 HP drive kit
- 66846 RBS 75, with 30 HP drive kit
- 66850 RBS 85, with 30 HP drive kit
- 66852 RBS 85, with 40 HP drive kit

**Units Include:
Pump, Stand,
Silencer and
Drive Kit**



SEE PAGE 100 for motor options.

2 YEAR WARRANTY

Side Inlet Vacuum Pump Silencer



Flanged

- 67493 3" Silencer
- 67467 4" Silencer
- 67468 5" Silencer
- 67492 6" Silencer



NPT

- 67474 4" Silencer
- 67496 5" Silencer

Flanges & Gaskets

- 67494 3" NPT Flange adaptor
- 67471 4" NPT Flange adaptor
- 67328 5" NPT Flange adaptor
- 67469 6" NPT Flange adaptor
- 67495 3" Flange gasket
- 67472 4" Flange gasket
- 67329 5" Flange gasket
- 67470 6" Flange gasket

Heavy-Duty Silencers

Part#	Size	Length	Diameter
67323	2" NPT	33"	8"
67325	2½" NPT	34"	10"
67326	3" NPT	46"	10"
67340	4" NPT	53"	14"
67327	5" Flange Style	65"	16"
67466	6" Flange Style	71"	18"



Light Duty Silencers

Part#	NPT	Length
67380	2"	26"
67381	2½"	34"
67382	3"	37"
67383	4"	48"
67384	5" Flange Style	26"
67484	6" Flange Style	26"



Can be used as a second silencer on lobe pump systems



Extra High Torque Farm Duty Motor

- 1.15 Service factor
- TEFC
- Single phase
- 1800 RPM



Part#	HP	Frame	Shaft	Full Load Amps
67176	3	184-T	1 1/8	17
67177	5	184-T	1 1/8	24
67178	5	215-TZ	1 1/8	29
67179	7 1/2	215-TZ	1 1/8	30
67180	10	215-T	1 3/8	41

1 YEAR WARRANTY

Worldwide Premium Efficiency 3 Phase Motors

- Inverter duty
- 1800 RPM
- 208-230/460
- TEFC enclosure
- Ideal for electric company rebate programs
- 1.15 service factor
- Metal clad V-type sealing ring on drive-end
- SKF bearings with SKF extreme pressure high temperature grease



Part#	HP	Frame	Shaft
67149	3	182-T	1 1/8
67160	5	184-T	1 1/8
67161	7 1/2	213-T	1 3/8
67162	10	215-T	1 3/8
67163	15	254-T	1 5/8
67164	20	256-T	1 5/8
67165	25	284-T	1 7/8
67166	30	286-T	1 7/8
67168	40	324-T	2 1/8

ALL MOTORS HAVE PASSED AND RECEIVED ALL U.S. CERTIFICATION REQUIREMENTS AND MEET OR EXCEED THE NEMA PREMIUM EFFICIENCY STANDARDS.

3 YEAR WARRANTY



Motor Bases

67454	182-T
67456	184-T
67457	213-T
67458	215-T
67459	254-T
67460	256-T
67461	284-T
67462	286-T
67455	324-T



VACUUM PUMPS & ACCESSORIES

Fuji Frenic ACE Inverter



Try the "Ace" for your next phase converter or soft start project. The Frenic Ace is a high performance full featured drive designed to suit a wide variety of applications including fans, pumps, specialized machinery and more. The Frenic Ace provides compact, but powerful multi-rated specification solutions for virtually all AC drive applications.

To be used as a phase converter or soft start only. Not compatible with our Reflex Variable Speed Drive controller

Part#	HP	Volt	Phase	HP (VT/LD)	HP (CT/HD)
P27005NP	7.5	230V	3	7½	5
P27010NP	10	230V	3	10	7½
P27015NP	15	230V	3	15	10
P27020NP	20	230V	3	20	15
P27025NP	25	230V	3	25	20
P27030NP	30	230V	3	30	25
P27040NP	40	230V	3	40	30

- For single phase input, inverter size must be double the size of motor
- For vacuum pumps use variable torque (VT/LD)
- For augers and compressors use constant torque (CT/HD)

3 YEAR WARRANTY

EZ Motor Starters

with Thermo Overload Protection Relays



- New motor starters with thermo overload sensors can be fine tuned with a turn of a dial, through a wide range of current ratings, to protect your electric motor.
- We stock eight different complete models which cover a wide range of applications.
- Each assembly is housed in a steel enclosure with backplate and is predrilled with 2 – 1" and 1 – ½" conduit knockouts.
- Position of knockouts at the bottom of the box helps in keeping dust and moisture away from the electronics.

Part#	Phase	AMPS	HP Range	Coil
67477NP	3	23-32	7½-10	120v
67478NP	3	48-65	15-20	120v
67479NP	3	63-80	25-30	120v
67480NP	3	23-32	7½-10	230v
67481NP	3	48-65	15-20	230v
67482NP	3	63-80	25-30	230v
67485NP	1	37-50	7½-10	120v
67486NP	1	37-50	7½-10	230v
P19838NP	Thermo Overload Protector 17-25 Amp			
P19839NP	Thermo Overload Protector 9-13 Amp			



REFLEX

VARIABLE SPEED DRIVE UNIT

- Large, illuminated digital vacuum gauge for easy viewing
- Motor soft-start brings vacuum pump up to speed gradually until vacuum level in the system reaches the set point. This eliminates over torque situations during start-up.
- Separate milking vacuum and washing vacuum to achieve better solution circulation. Switching is done automatically through the washer control switch.
- Built-in hour meter
- Sensing is done as close to teat end as possible which controls vacuum level more precisely at the most important place.



Reflex VSD Units

VSD KITS INCLUDE:
Inverter, Reflex Controller, Shroud & NEMA 1 Kit

Part#	HP	Phase	Voltage
29530NP	5	1	220
29505NP	7½	3	220
29535NP	7½	1	220
29510NP	10	3	220
29540NP	10	1	220
29515NP	15	3	220
29550NP	15	3	440
29545NP	15	1	220
29547NP	20	1	220
29520NP	20	3	220
29555NP	20	3	440
29560NP	25	3	440
29525NP	25	3	220
29528NP	30	3	220
29575NP	30	3	440
29529NP	40	3	220
29580NP	40	3	440
29495NP	Reflex controller only		
P29040NP	Reflex circuit board		

VSD Cables

- 29702NP** Cable for VSD - 12 AWG, 4 conductor, 30A cont, for 5, 7.5 & 10HP - 230 V or 10, 15 & 20HP 460V
- 29704NP** Cable for VSD - 8 AWG, 4 conductor, 55A cont, for 15 & 20HP - 230 V or 25 & 30HP - 460 V
- 29706NP** Cable for VSD - 4 AWG, 4 conductor, 95A cont, for 25 & 30 HP - 230 Volt Drives
- 29710NP** 18/2 Shielded control cable, For connection of controller to the inverter

Parts

- P19700NP** Shroud Complete for Stand-Alone Inverter
- P19725NP** NEMA 1 Kit for 25HP - 40HP Stand-Alone Inverter
- P19726NP** NEMA 1 Kit for 5HP - 20HP Stand-Alone Inverter
- P29718NP** Fuse for Reflex 250V .5A Time Lag (Slo-Blo)

Inverter Only

See P28005NP through P28044NP in the price list.

EZee Bypass Units

- 29805NP*** EZee Bypass Unit - 32 Amps, 5 & 7.5HP (220V) and 10 & 15HP (440V)
 - 29810NP*** EZee Bypass Unit - 65 Amps, 10, 15 & 20HP (220V) and 20, 25, 30HP (440V)
 - 29815NP*** EZee Bypass Unit - 80 Amps, 25 & 30HP (220V)
 - 29800NP** EZee Bypass Unit Enclosure, only
- *Must purchase an additional control relay complete. Specify coil voltage (12V AC/DC, 24V AC/DC, 120V, or 240v)*



EZee Bypass Units are NOT for single phase applications.

REFLEX

DELUXE VARIABLE SPEED DRIVE UNIT

**COW ID
READY**

2-Year Warranty on Reflex Variable Speed Drive Unit

Unit now comes with a 2 year warranty from purchase date.

Deluxe Reflex Model gives added protection for the Inverter and is Cow ID ready

The Inverter is mounted in a steel Nema 4 enclosure that has a Line Disconnect, Filtered Fan Cooling system, Remote Display Keypad and proper shielding for Cow ID Systems.

Surge Protection Devices

The SPD provides 40,000 amps of both normal and common mode surge protection and can protect the Inverter from harmful power surges by directing them to Earth Ground.

Controller with Digital Read-out is included in all packages

Deluxe Reflex VSD Systems

Part#	HP	Phase	Voltage
29605NP	5	3	220
29600NP	7½	1	220
29601NP	7½	3	220
29603NP	7½	3	440
29609NP	10	1	220
29610NP	10	3	220
29612NP	10	3	440
29614NP	15	1	220
29615NP	15	3	220
29650NP	15	3	440
29631NP	20	1	220
29620NP	20	3	220
29655NP	20	3	440
29625NP	25	3	220
29660NP	25	3	440
29628NP	30	3	220
29675NP	30	3	440
29630NP	40	3	220

*Deluxe Systems are sold without
RFI filter and line reactor.
These items must be ordered separately.*



Parts for Deluxe Reflex Inverter

*For our full line of Line Reactors and RFI Filters
please refer to price list for part numbers
P09500NP through P09650NP*

VACUUM PUMPS & ACCESSORIES

Parts for Original Sutorbilt® Pumps

67702	Rebuild Kit,	for 6-H/6-M
67701	Rebuild Kit,	for 5-H/5-M
67704	Rebuild Kit,	for 4-H/4-M
67706	Rebuild Kit,	for 3-H/3-M
67708	Oil sight gauge,	for 4-H/4-M, 5-H/5-M
67689	Oil sight gauge,	for 6-H/6-M
67709	Oil reservoir vent,	for 4-H/4-M, 5-H/5-M
67688	Oil reservoir vent,	for 6-H/6-M
67716	Gear oil reservoir gasket,	for 6-H/6-M
67713	Gear oil reservoir gasket,	for 5-H/5-M
67714	Gear oil reservoir gasket,	for 4-H/4-M
67715	Gear oil reservoir gasket,	for 3-H/3-M

Bearings and Seals

67780	Bearing, shaft side,	for 4-H/4-M
67781	Bearing, gear side,	for 4-H/4-M
67782	Seal,	for 4-H/4-M
67783	Seal,	for 4-H/4-M shaft
67790	Bearing, shaft side,	for 5-H/5-M
67791	Bearing, gear side,	for 5-H/5-M
67792	Seal,	for 5-H/5-M
67793	Seal,	for 5-H/5-M shaft
67795	Bearing, shaft side,	for 3-H/3-M
67796	Bearing, gear side,	for 3-H/3-M
67797	Seal,	for 3-H/3-M
67798	Seal,	for 3-H/3-M shaft
67801	Bearing,	for 6-H/6-M shaft side
67799	Bearing, gear side,	for 6-H/6-M
67800	Seal,	for 6-H/6-M
67802	Seal,	for 6-H/6-M shaft

Housing Shims

67874	Shim, for 4-H/4-M pump .002"
67875	Shim, for 5-H/5-M pump .002"
67876	Shim, for 6-H/6-M pump .002"

Pump Mounting Brackets

67770	Foot, 5-H/5-M, standard air flow
67771	Foot, 4-H/4-M, standard air flow
67772	Foot, 5-H/5-M, side to side air flow
67773	Foot, 4-H/4-M, side to side air flow

Parts for DSL Sutorbilt® Pumps

67697	Rebuild kit,	for 5-H/5-M
67698	Rebuild kit,	for 4-H/4-M
67708	Oil sight gauge,	for 4-H/4-M, 5-H/5-M
67689	Oil sight gauge,	for 6-H/6-M
67861	Oil reservoir vent,	for 4-H/4-M, 5-H/5-M
67688	Oil reservoir vent,	for 6-H/6-M
67865*	Gasket,	for 3-H/3-M
67866*	Gasket,	for 4-H/4-M
67867*	Gasket,	for 5-H/5-M
67868*	Gasket,	for 6-H/6-M

***2 needed per pump**

Bearings and Seals

68714	Bearing, shaft side,	for 4-H/4-M
67781	Bearing, gear side,	for 4-H/4-M
67782	Seal,	for 4-H/4-M
67783	Seal,	for 4-H/4-M shaft
68701	Bearing, shaft side,	for 5-H/5-M
21966	Bearing, front side,	for 5-H/5-M
67791	Bearing, gear side,	for 5-H/5-M
67792	Seal,	for 5-H/5-M
67793	Seal,	for 5-H/5-M shaft
67795	Bearing, shaft side,	for 3-H/3-M
67796	Bearing, gear side,	for 3-H/3-M
67797	Seal,	for 3-H/3-M
67798	Seal,	for 3-H/3-M shaft
67801	Bearing, shaft side,	for 6-H/6-M
67799	Bearing, gear side,	for 6-H/6-M
67800	Seal,	for 6-H/6-M
67802	Seal,	for 6-H/6-M shaft

Housing Shims

67874	Shim, for 4-H/4-M pump .002"
67875	Shim, for 5-H/5-M pump .002"
67876	Shim, for 6-H/6-M pump .002"

Drive Kits with Belts
for Sutorbilt® Lobe Pumps

67270	5 HP/3-M	pulley kit
67271	7½ HP/4-M	lowline pulley kit
67272	7½ HP/4-M	highline pulley kit
67273	10 HP/4-M	pulley kit
67274	5 HP/4-H	pulley kit
67275	7½ HP/4-H	pulley kit
67276	7½ HP/5-H	pulley kit
67282	9 HP/5-H	pulley kit
67277	10 HP/5-H	pulley kit
67278	15 HP/5-M	pulley kit
67279	20 HP/5-M	pulley kit
67280	25 HP/6-M	pulley kit
67281	30 HP/6-M	pulley kit

Additional parts for lobe pumps are available refer to price list for part #'s starting with 67670 through 68714

VACUUM PUMPS & ACCESSORIES

Detergent Injector for Lobe Pumps

An automatic lobe pump cleaning controller designed to spray cleaning detergents or lubricants into pump ports. Helps to prevent build-up on lobes inside pump.

- Consists of a time delay controller that is activated automatically each time vacuum pump gets power. Unit can be adjusted for time delay and for duration of application.
- If unit is set for a 30 min. delay it will only open valve once even if pump runs for several hours; it is designed to repeat its cycle after pump is shut down and is powered up again.
- E-Zee Clean can also be set to do a repeat cycle for pumps that run 24 hours per day.

E-Zee Clean System
with 1 Valve for Single Pump Systems

67510 120 Volt input

67520 240 Volt input

E-Zee Clean System
with 2 Valves for Dual Pump Systems

67522 120 Volt input

67524 240 Volt input

Parts for E-Zee Clean System

67518 Coil - 120 Volt

67519 Coil - 240 Volt

67531 Delay board, #6030

67532 Timer board, #6062

67541 E-Zee Clean valve assembly, with 120 volt coil

67542 E-Zee Clean valve assembly, with 240 volt coil

67517 Manual valve kit for lobe pump cleaning solution

67516 Single dripper kit for lobe pump cleaning solution

99976 2 AMP breaker

99973 Box only with lid, for E-Zee Clean



INCLUDES:

- Control Box with Valve
- Hose with Filter
- Hose with Barb Fitting for Vacuum Line

VACUUM PUMPS & ACCESSORIES

TKX

All Purpose Penetrant, Lubricant and Protectant
for Use with E-Zee Clean System

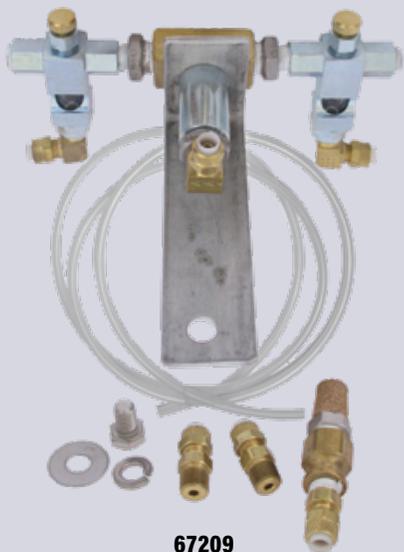
- Great for lobe pumps
- Helps to protect lobes inside pump from build-up and rust
- Displaces moisture
- Excellent lubricant

67511 1 gallon, case quantity = 4

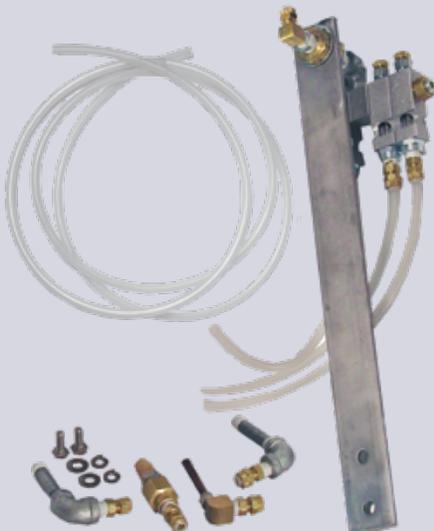
Please specify gallon(s) or case(s) when ordering



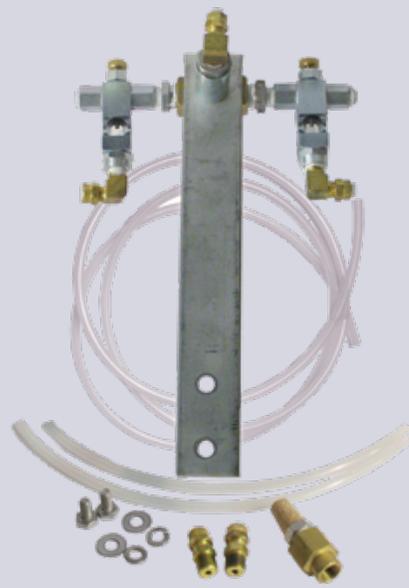
Oilers and Drippers



67209
2 dripper system
w/ stainless steel bracket mount
for DeLaval® 777

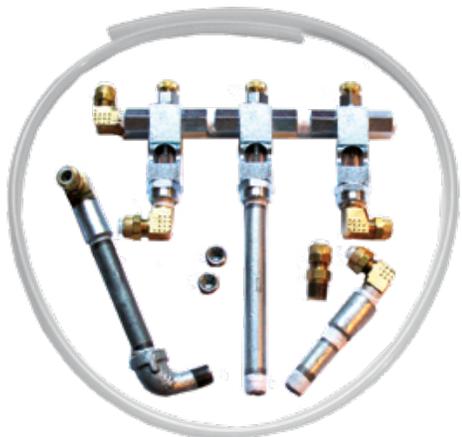


67210
Triple oiler valve
w/ stainless steel bracket mount
for DeLaval® 78



67211
2 dripper system
w/ stainless steel bracket mount
for DeLaval® 76

Dripper Systems



67213
Triple oiler valve for Surge® 100 Plus pump
(Includes tubing)



67214
2 dripper system for Surge® 75 Plus pump
(Includes tubing)

- Not Shown*
- 67212** 2 dripper system for FR4-A pumps
 - 67215** 2 dripper system for Masport® pumps
 - 67208** Triple oiler kit for RPS 2800 pump
 - 67217** 100' Roll 1/4" tubing for oil lines (1/8" ID)
 - 67196** Stone filter with compression fitting, for oilers

67199
Brass nut with white sleeve for compression fitting

67218
1/4" Compression fitting
for oil drippers
with 1/8" NPT male
thread (straight)



67219
1/4" Compression fitting
for oil drippers
with 1/8" NPT male
thread (elbow)



67226
Oil Dripper
with 1/8" NPT Thread



67222
Oil Dripper
with 1/4" NPT Thread

Vacuum Pump Parts and Supplies, Etc.

PVC Swing Check Valve

Old Style

- 67242** 3"
- 67244** 4"
- 67314** 6"



Exhaust Flappers

- 67333** Exhaust Flapper Kit, for 2" to 3"
- 67331** Exhaust Flapper Kit, for 4"
- 67332** Exhaust Flapper Kit, for 1½" to 2"

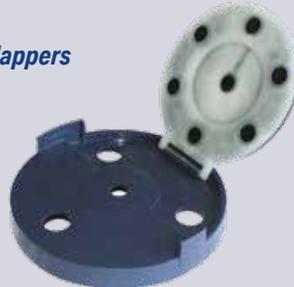


Replacement Flappers



Old Style

- 67243** 3"
- 67245** 4"
- 67315** 6"



Sioux Chief New Style

- 67243-1** 3"
- 67245-1** 4"
- 67315-1** 6"



Brass Anti-Reverse Swing Check Valves

- 67239** 2"
- 67240** 2½"
- 67241** 3"



PVC Gate Valves

- 67349** 1½"
- 67337** 4"
- 67336** 2"
- 67312** 6"
- 67335** 3"

Fittings, Etc.

For our full line of fittings, please refer to part numbers in our price book, starting with: **65501** for Galvanized and **66130** for PVC



Flexible Couplings

- 67318** 6" x 6"
- 67230** 4" x 4"
- 67231** 3" x 3"
- 67232** 3" x 2"
- 67233** 2" x 2"
- 67249** 1½" x 1½"



67235

2½" Galvanized 90° elbow



67234

2½" Galvanized union



67850

Replacement Pulley for DL 78 pump



Galvanized Nipples

- 67236** 2½" x 12"
- 67237** 2½" x 8"
- 67247** 2½" x 6"
- 67248** 2½" x 4"



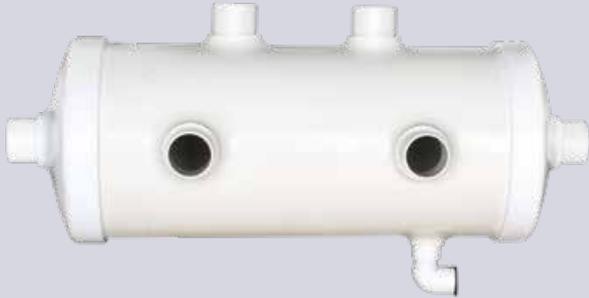
- 67252** Replacement 6-J Rubber sleeve for Surge® 100 Plus direct drive coupler
- 67253** Replacement 8-J Rubber sleeve for Surge® 2300 direct drive coupler

- 67306** 1⅞" flange for 6J coupler
- 67307** 1¾" flange for 6J coupler
- 67308** 1½" flange for 8J coupler
- 67309** 1¼" flange for 8J coupler



- 67238** 3" x 2½" Galvanized reducer

Horizontal PVC Balance Tanks



- 67324** 30 Gallon Horizontal – 3" ports – 15" x 36"
- 67345** 40 Gallon Horizontal – 4" ports – 15" x 48"
- 67347** 15" End Cap with 3" outlet

Vacuum drain included with all tanks

Vertical PVC Balance Tanks



- 67322** 30 Gallon Vertical – 3" ports – 15" x 36"
- 67344** 40 Gallon Vertical – 3" ports – 15" x 48"
- 67348** 40 Gallon Vertical – 4" ports – 15" x 48"
- 67352** 15" End Cap, with 1½" outlet
- 67346** Tripod base, only

*Vacuum drain included with all tanks
Brackets are not included*

PVC Pre-Filters

w/stainless steel screen

- 67320** 3" Pre-filter
- 67321** 4" Pre-filter
- 67316** 6" Pre-filter



*Vacuum drain included
with all tanks*

Replacement Parts

- 67342** Stainless steel screen,
Size = 11½" x 18½"
- 67354** Stainless steel screen
Size = 11½" x 18" For BM Pre-Filters
- 67339** Drain elbow with flapper, 1½ NPT
- 67351** Drain elbow with flapper, 1¼ NPT
- 67338** Flapper, only
- 67343** Lid for 3" and 4" Pre-filter
- 67341** Lid Gasket
- 67319** Baffle, V-block

ULTRACHEM PD Oil



*For Sutorbilt®
Lobe Pumps*

- 67357** 1 qt.
Case Quantity = 12
- 67356** AEON PD – 1 qt.
Case Quantity = 12

Red #2 Grease



*For Sutorbilt®
Lobe Pumps*

- 67358** Tube grease
Case Quantity = 10

Vacuum Pump Oil



For Vane Pumps

- 67505** Gallon
Case Quantity = 6
- 67507** 5 gallon

Vacuum Gauges



67224

Small 2" vacuum gauge
for portable pump units



17919

2½" Dry Dampened
vacuum gauge



17918

Adjustable 3½"
vacuum gauge



17913

Adjustable Stainless 4½"
vacuum gauge

Digital Vacuum Gauge

NEW



17914

17914 Kleen-Flo digital vacuum gauge
with backlight

17915 Circuit board only for Kleen-Flo
vacuum gauge

17916 Portable Kleen-Flo digital vacuum gauge with
backlight, fits Milwaukee & DeWalt batteries*



17916*

*Batteries not
included



CFM Testers

KIT INCLUDES:

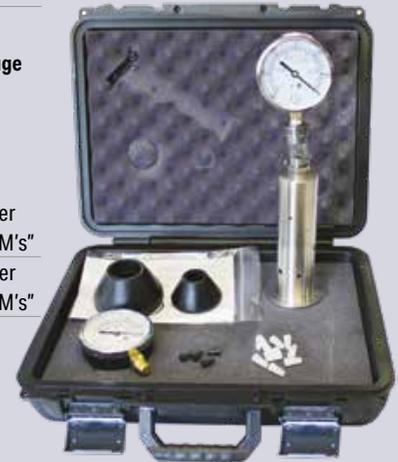
- Carry Case
- Tester with 3½" Gauge
- Spare 3½" Gauge
- Adaptor for 3" Pipe
- Extra Plugs

17785 160 CFM Tester
"American CFM's"

17780 260 CFM Tester
"American CFM's"

17786 CFM plug
(size 10)

17787 CFM plug
(size 20)



Vacuum System for Maple Operations

- Flood reclaimer system with demister
- System will run at 20" to 24" vacuum continuously
- Oil cooler with ¼ HP motor keeps oil cool
- Pumps are set up at a special tolerance for flood system
- Available in various pumps and motor sizes

68750 5 HP Vacuum system,
with E-5 pump, reclaimer, demister and oil cooler

68753 5 HP Vacuum system,
with E-5 pump, reclaimer, demister and oil cooler, LESS MOTOR

68754 5 HP Vacuum system, with E-5 pump, reclaimer, demister – and oil cooler.
Set up for 13 HP gas on vertical stand

68770 7.5 HP Vacuum system,
with E-7.5 pump, reclaimer, demister and oil cooler

68771 7.5 HP Vacuum system,
with E-7.5 pump, reclaimer, demister and oil cooler, LESS MOTOR

67607 Reclaimer package, 2" with demister & filter

68740 Oil cooler with ¼ HP motor

68741 NPT fitting for oil cooler



*We can help you design
the perfect size pump
for your needs.*



RP Servo® Regulator and Parts For up to 80 American CFM's

- 17825** RP180 Regulator
- 17810** 5 piece repair kit
- 17815** Top small filter
- 17817** Center medium filter
- 17819** Large bottom filter
- 17822** Large center diaphragm
- 17823** Top diaphragm



67223
Vacuum release valve
for Portable Systems



NEW

67223-1
Brass vacuum release
valve - 3/4" NPT



17881

17898

17890

Illustration pg. 154

350 & 500 Regulators and Parts

- 17894** Sentinel 350 regulator (350 American CFM's)
- 17898** Sentinel 500 regulator (500 American CFM's)
- 17830** Air filter, for Sentinel 350/500
- 17846** Felt filter, for Sentinel 350/500 Aneroid
- 17852** Top dome filter
- 17840** Top filter cartridge holder
- 17842** Top dome filter o-ring
- 17844** Filter cartridge holder bottom
- 17847** Inlet adapter, for Sentinel 350/500
- 17848** Clamp assembly, for Sentinel 350/500
- 17895** Adjusting Wrench for Sentinel 350
- 17896** Diaphragm, for Sentinel 350
- 17881** Peacekeeper, for Sentinel 350/500
- 17882** Isolator, for 350/500 Peacekeeper
- 17883** Filter for Peacekeeper (fits all models)
- 17885** Aneroid assembly, for Sentinel 350/500
- 17861** Housing screw for 350/500 regulator - 5/32" x 5/8"

Mark II Regulator and Parts

- 17890** Mark II regulator (150 American CFM's)
- 17849** Replacement foam filter, for Mark II
- 17850** Sentinel Mark II regulator foam filter
- 17852** Top dome filter
- 17853** Roll seal
- 17854** Flow ring, for Mark II regulator
- 17855** Closing spring, for Mark II regulator
- 17856** Diaphragm with plate
- 17862** Top rubber knob
- 17864** White flange assembly, for Mark II
- 17858** Silicone outlet seal, for base
- 17859** Rod Seal for Mark II
- 17860** Outlet body, for Sentinel regulator
- 17866** Poppet assembly, for Mark II
- 17867** Filter cap for Mark II
- 17868** Retaining washer, for Mark II
- 17869** Dome diaphragm, for Mark II
- 17880** Peacekeeper, for Mark II
- 17883** Filter, for Peacekeeper (fits all models)
- 17865** Adjuster housing, for Mark II regulator
- 17863** Filter cap o-ring, for Mark II
- 17857** Plug, for Mark II
- 17876** Outlet body

Replacement Regulator Repair Kits

- 17870** 4 piece repair kit for Mark II
INCLUDES: 1 roll seal, 1 dome filter, 1 body filter and 1 diaphragm with plate
- 17875** Worn parts kit for Mark I and Mark II
INCLUDES: flow ring, dome diaphragm, rolling seal, adjusting knob, main diaphragm, main filter, dome filter, o-ring, 3-flange screws, 3-adjuster screws, outlet seal and flange assembly

OEM Regulator Parts

- 05258** 5K regulator rebuild kit, Minor (7750-0013-890 WF/S)
 - 05259** 5K regulator rebuild kit, Major (7750-0013-889 WF/S)
 - 05256** Filter for Commander 1.5K & 5K (7750-0213-851 WF/S)
 - 05521** Vacurex® diaphragm with vent (#7047-9926-470 WF/S)
 - 05522** Vacurex® diaphragm without vent (#7047-1702-000 WF/S)
 - 03271** Filter for Servo® (96798902 DL)
-
- 67310** Safety valve for vacuum systems, up to 100 CFMs 2" NPT
 - 67311** Safety valve for vacuum systems, up to 200 CFMs or larger 3" NPT



67310



DESIGNED TO COLLECT MORE OIL!

67220
2" Oil reclaimer with filter assembly, drain hose and 2 drippers



REPLACEMENT FOR SURGE® PUMPS

Oil drippers NOT INCLUDED. See parts section at right.

67221
2" Oil reclaimer with filter assembly and drain hose, with Bottom Intake

67213 Triple oiler valve for Surge® 100 Plus pumps

67214 2 dripper system for Surge® 75 Plus pumps

67215 2 dripper system for Masport® Pumps

67216 Spin-off oil filter assembly for Surge® oil reclaimers

67227 Filter for oil reclaimer, NAPA #21515

67196 Stone filter with compression fitting, for oilers

67197 Elbow with 1/4 brass tubing, for DL 78 oiler

67205 Oil filter housing with 1/2" ball valve

Replacement Reclaimers for the RPS 2800

- A cost effective replacement option
- Designed to replace the double reclaimer system
- Easier to clean out than the original design
- Oil drippers & filter system easier to work on
- One exhaust line instead of two

- 67830** Exhaust conversion kit for RPS 2800 pump
- 67208** Triple oiler kit for RPS 2800 pump
- 67201** 2" Oil reclaimer, with filter kit



VACUUM PUMPS & ACCESSORIES

Vacuum Drains



59445
Black plastic drip drain, 1/2" NPT



59435 PVC drain, 1 1/4" NPT
59437 Ball only, for PVC drain

New Style PVC Line Drain

- 59450 - PVC drain, DL style, 1 1/4" NPT
- 59455 - Rubber insert
- 59452 - Ball only
- 59457 - Cotter pin
- 59458 - PVC housing





New Vane Vacuum Pumps

A Heavy-Duty Vacuum Pump
that can be used in many different applications

Pumps have a double end shaft for more installation options. Bare shaft has a cover that can be switched to the opposite side. These pumps are assembled with high quality vanes, seals and bearings. Each pump is individually assembled and tested. All parts interchange with name brand pumps that have been sold in the USA for over 20 years.

M-Style E-5 Vacuum Pump Packages

55 cfm @ 1000 RPM with 5 HP motor

Vertical Stand

- 67555** M-style E-5 vacuum pump head
- 67556** Pump with 5 HP drive package – less motor
INCLUDES: 2 oil drippers and hose
- 67557** Pump (same as above plus a 2" reclaimer)

Horizontal Stand

- 67566** Pump with 5 HP drive package-less motor
INCLUDES: 2 oil drippers and hose
- 67567** Pump (same as above plus 2" reclaimer)

- 67550** Masport M-4 pump on vertical stand, with 2" oil reclaimer
- 67551** Masport M-4 pump on vertical stand, less oil reclaimer
- 67552** Masport M-4 pump head, only

1 YEAR WARRANTY



M-Style E-7.5 Vacuum Pump Packages

80 cfm @ 1000 RPM with 7.5 HP motor

Vertical Stand

- 67650** M-style E-7.5 vacuum pump head
- 67656** Pump with 7½ HP drive package-less motor
INCLUDES: 2 oil drippers and hose
- 67657** Pump (same as above plus a 2" reclaimer)

Horizontal Stand

- 67665** Pump with 7½ HP drive package-less motor
INCLUDES: 2 oil drippers and hose
- 67667** Pump (same as above plus 2" reclaimer)



For motor options please SEE PAGE 100

Replacement Parts

- 21970** Set/4 vanes for M-style E-5 or M-5
- 21965** Set/4 vanes for M-style E-7.5 or M-7.5
- 21966** Bearing for M-style E-5, E-7.5, M-5 or M-7.5
- 21967** Seal for M-style E-5, E-7.5, M-5 or M-7.5
- 67549** Inlet flange gasket
- 67561** Shaft cover

- 67573** Inlet flange
- 67579** Endplate gasket, .003
- 67578** Endplate gasket, .002
- 67574** Drive kit for E-5 or E-7.5 / 1000 RPM
INCLUDES: 1-Motor Pulley/2BK-40, 1-Pump Pulley/66-2B, 2-Hubs and 2-B-62 Belts

VACUUM PUMPS & ACCESSORIES

Rebuilt Vane Vacuum Pumps

DELAVAL®

114090	78-2½" pump unit,	<i>with rebuilt 5 HP motor and 3" reclaimer</i>
114060	78-2½" pump unit,	<i>with rebuilt 7½ HP motor and 3" reclaimer</i>
114190	78-2½" pump head,	<i>only</i>
114196	78-2½" pump head,	<i>with pulley and New triple oiler</i>
114194	78-2½" pump head,	<i>with New triple oiler</i>
114150	78-2" pump unit,	<i>with rebuilt 5 HP motor and 2" reclaimer</i>
114180	78-2" pump head,	<i>only</i>
114200	777 pump unit,	<i>with rebuilt 5 HP motor and oiler</i>
114210	777 pump head,	<i>only</i>
114030	76 pump unit,	<i>on stand, with rebuilt 3 HP motor</i>
114000	76 pump head,	<i>only</i>
114120	84 pump unit,	<i>with 3" reclaimer, less motor</i>
114125	84 pump head,	<i>only</i>



177100

MASPORT®

177000	M-7.5 pump unit,	<i>with rebuilt 7½ HP motor and reclaimer</i>
177050	M-7.5 pump head,	<i>only</i>
177100	M-5 pump unit,	<i>with rebuilt 5 HP motor and reclaimer</i>
177150	M-5 pump head,	<i>only</i>
177200	M-3 pump unit,	<i>with rebuilt 3 HP motor, floor stand and oiler</i>
177250	M-3 pump head,	<i>only</i>
177310	M-15 complete unit,	<i>with 3" reclaimer, less motor</i>
177320	M-15 pump head,	<i>only</i>



137030

SURGE®

137100	100 Plus pump,	<i>with 5.5 HP motor and reclaimer – direct drive</i>
137030	100 Plus pump,	<i>with reclaimer, new drippers and oil filter</i>
137000	100 Plus pump head,	<i>only</i>
137250	75 Plus pump unit,	<i>on stand, with 4.5 HP motor and reclaimer</i>
137190	75 Plus pump,	<i>with reclaimer, new drippers and oil filter</i>
137150	75 Plus pump head,	<i>only</i>
137350	2300 pump head,	<i>only</i>
137550	5.5 HP motor	
137600	4.5 HP motor	



147030

WESTFALIA®

147000	New Style RPS 2800 pump,	<i>with rebuilt 5 HP motor and reclaimers</i>
147030	New Style RPS 2800 pump,	<i>with rebuilt 7½ HP motor and reclaimers</i>
147050	New Style RPS 2800 pump unit,	<i>less motor</i>
147055	New Style RPS 2800 pump head,	<i>only</i>
147070	Old Style RPS 2800 pump unit,	<i>less motor</i>
147080	Old Style RPS 2800 pump head,	<i>only – no fan</i>

BOUMATIC®

127000	FR4-A pump,	<i>with rebuilt 5 HP motor on stainless tank and with oiler</i>
127055	FR4-A pump head,	<i>with oiler</i>
127085	FR4 pump head,	<i>with oiler</i>
127090	FR3-A pump head,	<i>with oiler</i>
127050	FR4-A pump head,	<i>only</i>



127050

Please Call 888-304-6276 for Availability

Vanes, Bearings, Seals and Complete Kits

E-Zee uses a high quality Kevlar material for all replacement vanes and they contain **NO** glass material. These vanes are top quality, are non abrasive so pumps run cooler, quieter and will last longer. They are made to exact length, width and thickness by a company that makes vanes for many different applications.

Replacement Parts For DeLaval®

For 78

21950	Set of 4 vanes
21951	Bearing
21952	Shaft seal
21954	Complete Rebuild Kit
INCLUDES: 1-21950, 2-21951 and 1-21952	

For 76

21955	Set of 4 vanes
21956	Bearing
21957	Shaft seal
21959	Complete Rebuild Kit
INCLUDES: 1-21955, 2-21956 and 1-21957	

For 777

21995	Set of 4 vanes
21951	Bearing
21992	Shaft seal
21999	Complete Rebuild Kit
INCLUDES: 1-21995, 2-21951 and 1-21992	

For 84

22000	Set of 5 vanes
22001	Bearing
22002	Shaft seal

Replacement Parts For Masport®

For M-7.5

21965	Set of 4 vanes
21966	Bearing
21967	Shaft seal
21969	Complete Rebuild Kit
INCLUDES: 1-21965, 2-21966 and 2-21967	

For M-5

21970	Set of 4 vanes
21966	Bearing
21967	Shaft seal
21974	Complete Rebuild Kit
INCLUDES: 1-21970, 2-21966 and 2-21967	

For M-7.5 & M-4

67579	Endplate gasket, .003
67578	Endplate gasket, .002
67549	Inlet flange gasket

For M-3

21975	Set of 4 vanes
21976	Bearing
21977	Shaft seal
21979	Complete Rebuild Kit
INCLUDES: 1-21975, 2-21976 and 1-21977	

For M-15

22140	Set of 4 vanes
21961	Bearing
22142	Shaft seal
22144	Complete Rebuild Kit
INCLUDES: 1-22140, 2-22141 and 2-22142	

For M-4

21972	Set of 4 vanes
21966	Bearing
21967	Shaft seal

Replacement Parts For BouMatic®

For DB-2000

22120	Set of 4 vanes
22130	Set of 3 vanes
22121	Bearings (Needle)
22122	Bearings (5207)
22133	Shaft seal
22134	Complete 3 Vane Rebuild Kit
INCLUDES: 1-22130, 1-22121, 1-22122 and 2-22133	
22124	Complete 4 Vane Rebuild Kit
INCLUDES: 1-22120, 1-22121, 1-22122 and 2-22133	

For VP-155

22207	Bearing
22142	Seal

For FR4 / FR4-A

21990	Set of 4 vanes
21991	Bearing
21992	Shaft seal
21994	Complete Rebuild Kit
INCLUDES: 1-21990, 2-21991 and 2-21992	

For FR3 / FR3-A

21989	Set of 4 vanes
21991	Bearing
21992	Shaft seal

Vanes, Bearings, Seals and Complete Kits

For Alamo 75/100 Plus

21980	Set of 4 vanes
21981	Needle bearing (shaft side)
21982	Double row bearing (back)
21983	Shaft seal
67805	Blue shim .005
67808	White shim .025
21986	O-ring for end plate
21984	Complete Rebuild Kit
INCLUDES: 1-21980, 1-21981, 1-21982, 1-21983, 3-67805, 1-67808 and 2-21986	

For Alamo 30/40 Plus

21985 Set of 4 vanes –
For bearings and seals, etc. use part #'s listed under 75/100 Plus, as all parts interchange with the exception of vanes.

For Alamo 2300/2800

22110	Set of 4 vanes
22111	Bearing (shaft side)
21991	Bearing (back)
22113	Seal (shaft side)
22114	Seal (back)

For WF RPS 2800

21960	Set of 4 vanes
21961	Bearings
21962	Shaft seal
21964	Complete Rebuild Kit
INCLUDES: 1-21960, 2-21961 and 2-21962	

Miscellaneous Parts

67810	Bearing race, for 30, 40, 75 & 100 Plus
67825	Reclaimer gasket
67630	Screen, for reclaimers
67225	Foam filter (2 pk.)
22007	Replacement shim for 84 & 86 pump, .005"

Original Alamo® Parts

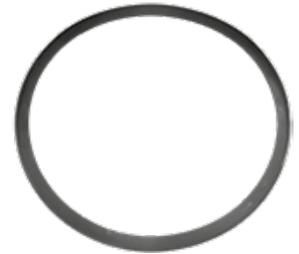
05465	Flapper valve, 2" (7750-0020-440 WF/S)
05473	Filter gasket (7750-0014-379 WF/S)



67810



67225



67825

Motor Pulleys

				<i>Hub</i>
65040	5 HP	RPS 2800	3 groove	SH
65041	7½ HP	RPS 2800	3 groove	SH
65042	10 HP	RPS 2800	3 groove	SH
65045	5 HP	D-L 78	2 groove	SH
65046	7½ HP	D-L 78	2 groove	SH
65047	10 HP	D-L 78	2 groove	SDS

For our full line of pulleys and hubs, please refer to part numbers starting with: **65000** listed in our price book.

Belts

67255	2/3V x 530 double banded belt
67256	2/3V x 560 double banded belt for DL 78 5 HP pump
67257	2/3V x 600 double banded belt for DL 78 7½ or 10 HP pump
67258	2/3V x 630 double banded belt
67259	3/3V x 530 triple banded belt for RPS 2800 5 HP and 7½ HP
67260	3/3V x 560 triple banded belt for RPS 2800 10 HP
67261	3/3V x 600 triple banded belt
67262	3/3V x 630 triple banded belt





97825 5" x 24" Tie rod air cylinder, for BM crowd gate, 1 3/8" rod (includes clevis bracket)



97830 5" rear clevis bracket
97841 5/8" clevis pin
97844 3/4" x 16" clevis rod



99806

99809

99808

BM Style Air Cylinder Assembly

- 99808** Complete BM style air cylinder assembly, with mounting brackets
- 99809** BM style air cylinder assembly, less mounting brackets
- 99806** Pipe, for 18" air cylinder
- 99771** 18" cylinder for 2100 and 3400
- 99773** 15" cylinder for 2700



99805
Pulley assembly, for air cylinder



92475
Pulley, for 2" stainless cylinder

- 99766** 3/4" x 1 7/8" stainless flat washer for top
- 99767** 3/4" x 16" stainless hex jam nut for top
- 99768** 7/16" x 20" stainless hex jam nut for rod



- 99804** Stainless chain cut in 50" lengths for BM air takeoff
- 96030** Stainless chain per foot

99771/99773

Illustration pg. 174

Replacement Bulbs for BM Takeoffs



99385
Clear bulb



99387
Orange LED bulb



99388
Red LED bulb



99394
Orange LED bulb, with 4" lead



99389
Orange LED bulb, with 18" lead



99395
Red LED bulb, with 4" lead



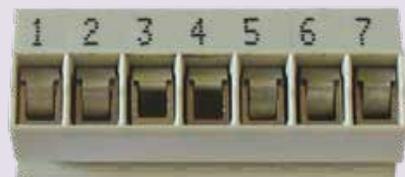
99390
Red LED bulb, with 18" lead

Terminals for BM Circuit Boards

- 92414** 2 pin terminal
- 92415** 3 pin terminal
- 92416** 4 pin terminal
- 92417** 5 pin terminal
- 92418** 6 pin terminal
- 92419** 7 pin terminal
- 92421** 10 pin terminal

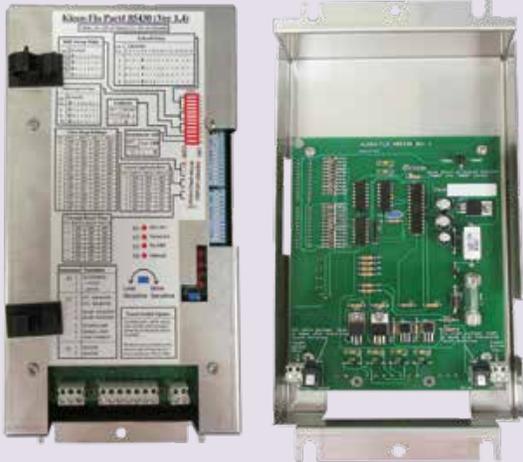


92414



92419

Replacement Parts For BouMatic® Takeoffs



- Regulated valve and lamp outputs
- 100 to 4,600 OHM sensitivity range
- 1½ or 3 minute letdown time
- Features milk sweep function
- Incandescent/LED lamp capability
- Press either button when unit is in "sleep" mode, and it goes into "wash" mode

85430 New Style Kleen Flo® Circuit Board, with stainless chassis for 2000 and 3000 Series

BM Power Supply - Used

123857 16 unit power supply for BM

123855 12 unit power supply for BM



85437

Wiring harness for 85430 circuit board, less board terminal



43112 Rectifier, 35 amp

85306 Capacitor with holder

85309 120 volt M.O.V.

85312 Lightning arrestor

85314 Line filter

85317 Fuse holder

Replacement Parts

85323 5 AMP fuse

85321 On/off toggle switch

91836 Toggle switch cover

85325 120 volt AC input/
11/24 volt AC output transformer



92241



99703



99705



99782



99565



99891



99788 Plastic terminal holder for Perfection board



99875 One piece plunger assembly for new style BM sensor



99830



99831



99832

Illustration pg. 181



99833



99885 Plunger assembly for new style sensor

99886 Plunger only, for new style sensor

99751 Diaphragm only, for new style sensor

Miscellaneous Replacement Parts

92241 Cylinder bottom, for 2000, 3000, 4200 and 4400

98789 ¼" Nylon rope sold per foot - roll size is 1000 ft.

99689 Sealing washer, for 2000/3000 and 4200/4400 piston

99565 5450/5550 LED light pipe

99703 Palm push button

99704 ⅝" E-Clip for palm push button

99705 Replacement retainer plunger for BM takeoff

99890 2½" x ⅝" stainless nipple, for 2000/3000 milk hose

CUSTOM SIZES AVAILABLE

99891 Cap, for 2100 sensor

99888 S/S nut, for Kleen Flo® or BM sensor

99889 Nut, for Kleen Flo® or BM sensor

99892 2" x ¾" stainless nipple, for milk hose

99712 2 AMP fuse, for 2000 and 3000 Series Boards

99782 Shuttle valve, for 2100

99726 ¼" O.D. x ⅛" I.D. air tubing, for 2100...specify color

99830 Rubber shutoff hose .62" x 3.25", for 2100 or 2101 clear air sensors

99831 Sensor/shutoff assembly, for 2100/2101 with mounting bracket

99832 Sensor/shutoff assembly, for 2100/2101

99833 Sensor/shutoff body, for 2100/2101

99802 Cable, 10' long for Precision meter

99715 O-ring, for old style meter lid (style of lid with 2 ears)

99784 Straight pin style eprom. for Perfection (specify version)

99785 Carriage holder style eprom. for Perfection (specify version)

99791 Bushing, for 2100 hose support (uses 2)

Kits and Parts for BM Perfection Meter

99850 Complete service kit

INCLUDES:

- 99753** White diaphragm
- 99840** Large seal, (uses 2)
- 99842** Red silicone seal
- 99844** Plug
- 99847** Small thin black o-ring
- 99852** Stainless plate



99753
White diaphragm



99865
Diaphragm assembly

99851 6 piece – parts kit only

INCLUDES:

- 99753** White diaphragm
- 99840** Large seal, (uses 2)
- 99842** Red silicone seal
- 99844** Plug
- 99847** Small thin black o-ring



99720
Gray nylon
filter/muffler
for 2000/3000
series speed
control head



99719
Metal filter/muffler
for 2000/3000
series solenoid



99629
Wire harness,
for 4400/4600 lights

99626
Wire harness
for 4400/4600
switch



99575
Keypad
for BM metering
takeoff



99570
Keypad
for BM 5450 Cover



99695 Touch switch,
with gasket

99696 Gasket
for 99695
switch



99756
Diaphragm
for 2000V shutoff



99675
Piston seal
for 2000/3000 and
4200/4400 series
cylinder



99419
Replacement board
for 42/44/4600 takeoff



99700
Sensor assembly
for 2000V



99630
4200D
flex switch



99631
4200
Membrane
Only with
flex switch



99628
4400/4600
cover
assembly

Solenoid Valves



99780
Solenoid valve
for Perfection
meter



99775
Solenoid
for 2100 or 2101
24 VDC



99779
3 way Solenoid
for 2000V and
2000VM 24 VDC



92208
Mac valve solenoid
for Omni® air &
Advantage TS - 24 VDC



92032
310 24VDC Solenoid valve
for parlor shutoff



99774
Air/Vacuum Solenoid for 3200 series takeoff



99777 4 way Solenoid for 3000 series 24 VDC

92030 320 24VDC Solenoid valve
for parlor takeoff cylinder



99776
Solenoid for 4600 air takeoff

Kits and Parts for Companion



- 99425** Handle and flex switch
- 99420** Flex switch
- 99423** Handle
- 99444** Handle filter
- 99430** Handle bracket



99446
16 pc rebuild kit



99447
21 pc major rebuild kit



99470
Solenoid valve



99435
Hanger
for 2" line

- 99445** Pulsation filter
- 99460** 3.125 piston seal
- 99462** Washer plate
- 99455** Molded shutoff diaphragm



99460



99455



99475

U shaped shutoff hose



99418
Replacement 1000V
Companion board



99620



99620 Handheld programming kit
for 99418 and 99419 boards

99621 Circuit Board Only
for Handheld programmer

99622 USB charger, cable & one
9-Volt Lithium Ion battery

99437
Companion
cylinder tube



99439
Valve bottom



99480
O-ring
for valve bottom



99458
Shroud



99450
Sensor
assembly



99438
Bottom cap



99434

Illustration pg. 167

99434 Power hose assembly

98634 Hose vac / electric for
Companion or Milkmaster

98634-1 Rubber hose for Companion
or Milkmaster (sold per foot)

98700 2-strand 18GA. Power wire
(sold per foot)

99440 Contact probe

99441 5/32 x 1/4" Set screw

99443 Top shell

99442 Bottom shell

99449 Stallcock tube

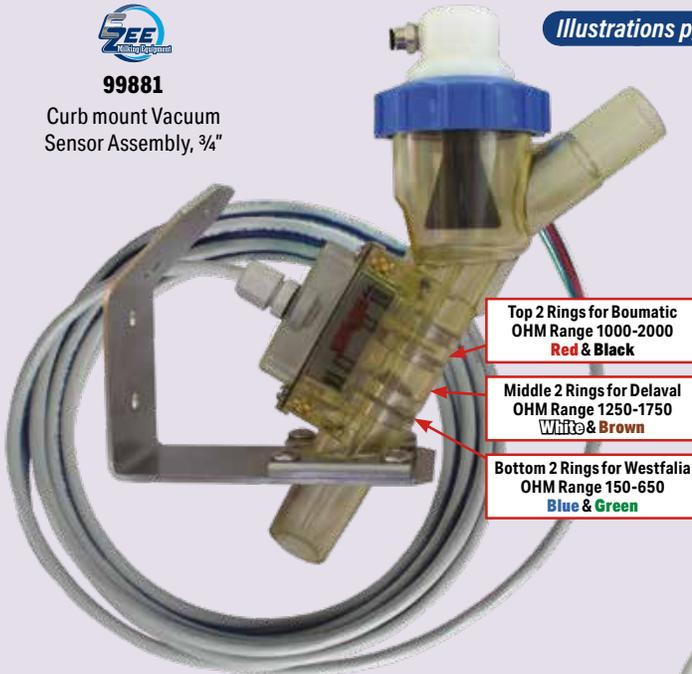


Replacement Kleen Flo® Sensor Assemblies for BouMatic® Takeoffs



99881

Curb mount Vacuum Sensor Assembly, 3/4"



Top 2 Rings for Boumatic
OHM Range 1000-2000
Red & Black

Middle 2 Rings for Delaval
OHM Range 1250-1750
White & Brown

Bottom 2 Rings for Westfalia
OHM Range 150-650
Blue & Green

Illustrations pgs. 178-180

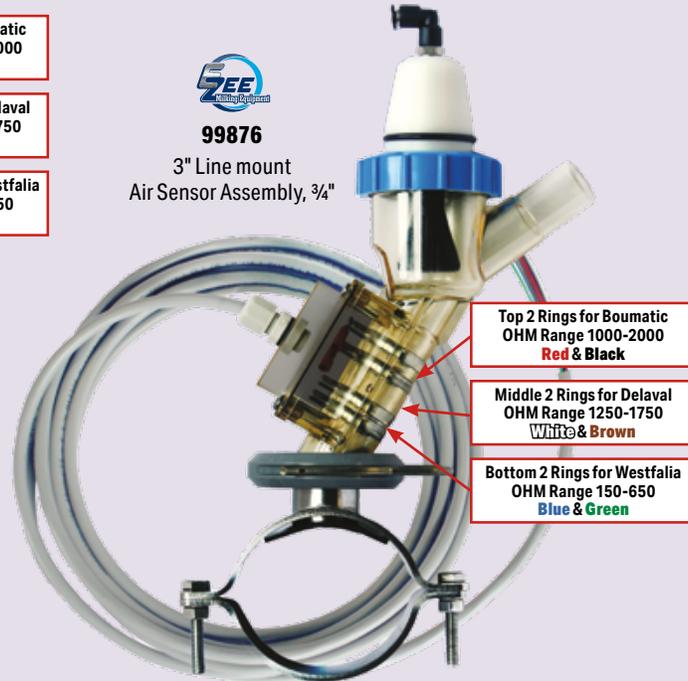
We are now selling our sensors complete with 6-strand wire, which has been epoxied to keep out moisture.

Close up view of wire



99876

3" Line mount Air Sensor Assembly, 3/4"



Top 2 Rings for Boumatic
OHM Range 1000-2000
Red & Black

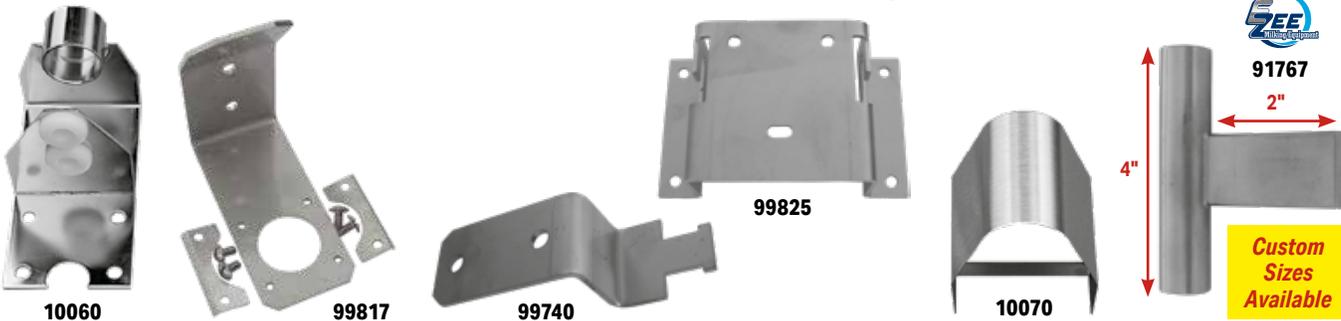
Middle 2 Rings for Delaval
OHM Range 1250-1750
White & Brown

Bottom 2 Rings for Westfalia
OHM Range 150-650
Blue & Green

Other Options Available

- 99880** Curb mount Sensor body, *only*
- 99881** Curb mount Vacuum Sensor Assembly, 3/4"
- 99882** Curb mount Air Sensor Assembly, 3/4"
- 99884** Curb mount Vacuum Sensor, *less bracket*
- 99894** Curb mount Air Sensor, *less bracket*
- 99876** 3" Line mount Air Sensor Assembly, 3/4"
- 99877** 3" Line mount Vacuum Sensor Assembly, 3/4"
- 99873** Line mount Air Sensor, *less bracket*
- 99874** Line mount Vacuum Sensor, *less bracket*
- 99878** Line mount Sensor Body, *only*

Replacement Brackets and Mounting Hardware



- 10060** Stainless bottom bracket *with chain bushings*
- 10070** Stainless chain shield
- 99742** Stainless top mounting bracket, *for 2100*
- 99729** Stainless retaining ring, *for white chain bushing*
- 99807** White chain bushing, *for bottom bracket*
- 10551** Stainless U-bolt, *for #99740 and #10060 bracket*
- 99817** Stainless mounting bracket, *with 2 clamps for new style BM curb mount sensor*
- 99817-1** Side clip, *for 99817 bracket*

- 99819** Stainless bracket, *for 2100 sensor*
- 91767** 5/8" stainless curb mount hose support bracket
- 91769** 3/4" stainless curb mount hose support bracket
- 91771** 7/8" stainless curb mount hose support bracket
- 99746** Stainless hose clamp, *for #99740 bracket*
- 99740** Stainless mounting bracket, *for the 2000, 2101, 3000, 4200, 4400, 4600*
- 99825** Stainless wall mounting bracket, *for Perfection 3000 meter*

Custom Sizes Available

TAKEOFFS

Replacement Shutoff Assemblies for Takeoffs

- Available with air or vacuum operated top
- Plastic breakaway kit included with 99150 & 99160



99160
Bracket Sold Separately



99158
Complete with Bracket



99152
Complete with Bracket



99150
Bracket Sold Separately

Illustrations pgs. 177

99144 Radel body, only, for curb mount style

99146 Radel body, only, for line mount style

99150 3/4" Radel vacuum operated shutoff assembly, mounting bracket not included

99160 3/4" Radel air operated shutoff assembly, mounting bracket not included

99152 3/4" Radel vacuum operated curb mount shutoff assembly,

99158 3/4" Radel air operated curb mount shutoff assembly,



99180



99148

Illustration pg. 180



99174



99180



99888



99889



991817

99180 Breakaway clamp kit

99185 Silicone gasket

99177 Breakaway spring clamp

99175 Breakaway clamp half only, 2 needed

99148 Vacuum top assembly, with nut

99172 5/8" stainless curb mount bracket

99173 3/4" stainless curb mount bracket

99174 7/8" stainless curb mount bracket

99180 3" stainless milk line clamp

991814 4" stainless milk line clamp

991811 Gasket, for 3" & 4" stainless milk line clamp

99885 Plunger assembly

99886 Plunger, only

99875 One piece plunger assembly

99889 Blue nut

99888 Stainless nut

991817 Tri clamp inlet for 2 1/2" line w/gasket

56304 Gasket for Tri clamp inlet

Parts for Air Assembly ONLY

99154 Rebuild kit, for BM & KF Air sensor/shutoff

99155 Top assembly, with nut

99162 Shut off top, only

99163 Insert, for top

99164 Snap ring, for top

99165 Flat washer, for top

99166 Screw, for top

99167 Spring, for top

99168 O-ring, for top

99169 U-cup, for top

99170 Sealing washer



99155

Illustration pg. 179



99154

Parts for SST#2

Illustrations pg. 172



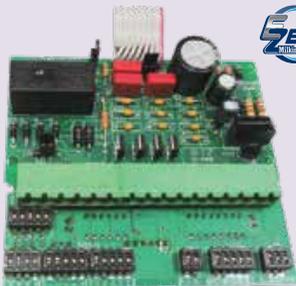
- 85035** Keypad, with stainless cover and connector board to adapt to ST#2® 5.2, 5.3 or 6.1 boards
- 85020** Keypad, with connector – board, LESS stainless cover
- 85070** Silicone keypad, only
- 85076** Connector board, only, for E-Zee keypad
- 85025** Ribbon Cable
- 85040** Replacement keypad kit, with rebuilt circuit board (Specify what version board needed 5.2, 5.3 or 6.1)
- 85093** Stainless lid only, for SST#2 keypad
- 85083** Stainless Plate, for E-Zee Keypad and SST#2
- 85087** Stainless Plate, for V2038 & 98580 board
- 98771** Stainless box, with cover for SST#2 and silicone style keypad (as shown)
- 98769** Stainless box, with cover for SST#2, Deeper for HFC sensor



98575
HFC sensor board,
for DL



- 98582** Keypad kit, with 98580 board, for MP370 and MP380
- 98580** Circuit board, for S/S MP370 and MP380



98578
Replacement 6.10 board
for SST2

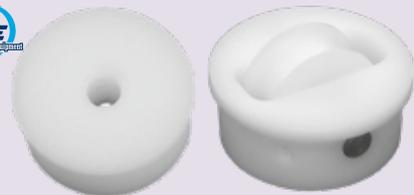


98590
Claw Drop Interface,
for SST 2

Illustrations pg. 175

Standard length is 39½"
Custom Sizes Available

- 98721** Stainless cylinder, for SST# 2, with rope
- 98731** Stainless cylinder, for SST# 2, with stainless chain
- 98723** Stainless horizontal cylinder, for SST# 2, with rope and pulley
- 98733** Stainless horizontal chain cylinder, with pulley, less mounting kit
- 92241** Cylinder bottom, for stainless SST#2 (rope style)
- 92239** Cylinder bottom, for stainless SST#2 (chain style)
- 92473** Cylinder bottom, with pulley assembly for stainless SST#2 (for chain or rope)
- 98734** Piston, for stainless SST#2 cylinder (for rope)
- 98735** Seal, for SST#2 piston, for SS cylinder
- 98736** Piston, for stainless SST#2 cylinder (for chain)



98734



98735



91805
Stainless L shaped bracket
for SST#2



98738



98741

- 98738** Clamp for 2" stainless cylinder with ½" NPT thread
- 98741** Clamp for 3" plastic cylinder with ½" NPT thread
These 3" clamps can be used on: Plastic VSO, Little Champ and Plastic SST#2



Parts for SST#2



98692



98702



20164



20165



98678



98675



98680



98686



98695



98694



98713



98710

98950 Cover kit, for control valve

98951 Blue cover gasket

98952 Fresh air nipple, only

98953 Fresh air screen, only

98954 Blank plug (replaces screen)

20164 Gasket, for inlet

20165 Shutoff diaphragm, for inlet

98695 Sensor jar

98692 5/8" Horizontal sensor lid, SST#2

98693 5/8" Vertical sensor lid, SST#2 or DV300

98694 Sensor float, SST#2

98702 Reed switch, SST#2 or ARM takeoffs

98710 HFC sensor diaphragm

98713 Bracket, for HFC sensor

98675 Rubber kit, pipe mount, VAC/ATM

98686 VAC/ATM control valve, 12V

98687 ATM/ATM control valve, 12V

98688 VAC/VAC control valve, 12V

98680 Bayonet kit, VAC/ATM

98678 Bayonet kit, ATM/ATM

98960 Bayonet kit, VAC/VAC

98734 Piston, for stainless SST#2 cylinder (for rope)

98736 Piston, for stainless SST#2 cylinder (for chain)

98717 Strap to mount stainless SST#2 cylinder to stainless box

98719 Strap to mount plastic SST#2 cylinder to stainless box

85093 Stainless lid only for SST#2 keypad

98720 Adaptor plate to mount stainless SST#2 box to plastic cylinder

98669 Seal, for SST2 valve, ECO Lite sensor & HP pulsator

98700 2-strand 18GA power wire (per foot)

98704 3 strand wire harness, for SST#2 control valve, 7' long

98705 4 strand wire harness, for SST#2 control valve, 7' long

98949 Grommet, for wiring harness

Custom Lengths Available

Parts for Milkmaster



98653
Filter, w/clip



98655
Ball, for rope



98470
LED Bulb



98629 Hanger for 2" line
98630 Hanger for 3" line
98628 Easyline hanger



99760
Label



98631
Contact strip, for Multi Grip



98636
Complete pistol grip power hose, with OEM handle, replacement hose & contacts



98634
Hose vac / electric, for Companion or Milkmaster 4' pc

98634-1
Rubber hose for Companion or Milkmaster (sold per foot)



98626
Replacement sensor block for Milkmaster



98645
Rotor seal



98648 Inner seal
98647 Outer seal

98641
4 piece seal kit for motor



98640
Spool gear



98633
Left hand contact strip



98632
Right hand contact strip



98660
Rubber rebuild kit, for sensor



98625
Rubber rebuild kit, for amplifier



98642
13 piece major rebuild kit, for motor

Not Shown

- 43315** 12 volt coil
- 98960** Repair kit, for MilkMaster pulsator
- 98651** Wear clip, for cover/cord lock
- 98670** Holder, for dual cell 23MM MilkMaster battery

- 98672** CR2354 Lithium Battery, for MilkMaster
- 98674** Eprom, for MilkMaster Version 2.41
- 98635** Tab, for Milkmaster body/back
- 98703** Flag terminal, for SST#2 or Milkmaster

Miscellaneous Replacement Parts



98742



98740



98743



98737



98748



98746



98744

98805 Wear plate, for ARM I or II takeoff linkage

98802 Start/Remove switch, for ARM I

98810 SRK - SQE1 exhaust repair kit, for ARM I or II

98742 O-ring, for plastic SST2, ECO and Advisor cylinder

98743 End cap for PVC cylinder (fits SST2, Advisor & Eco)

98744 Seal, for plastic cylinder (fits SST2, Advisor & Eco)

98790 3/16" Nylon rope (sold per foot - roll size is 1000 ft)

91819 Bulb, for ARM I

98756 Bulb, for SST#2 or ARM II

98800 Stainless base, for DL Arm

98804 Stainless bar, for DL Arm

98750 Replacement PVC DL style cylinder

98740 Replacement top cap for PVC DL style cylinder

98746 Replacement pin for PVC end cap pulley

98748 Replacement pulley for PVC end cap

98737 Replacement piston for PVC style cylinder



98750
26.5" Long

98572

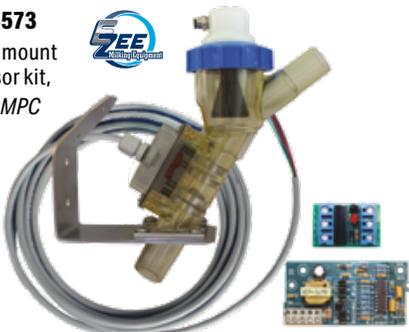
3" Line mount sensor kit,
for MPC



Parts for DL Meters

98573

Curb mount
sensor kit,
for MPC



98575

HFC sensor board



98574

MPC to HFC/Kleen Flo® Converter



98400

Elbow hose for Alpro meter

FITS 3/4" & 7/8"

19 3/4"



98461
Membrane
RS-valve



98460
MM25 gasket



98395

24 volt
DC coil
(red)



43315

12 volt
DC coil
(black)



Air Cylinders



98745 Pinch cylinder for ARM I

98747 12" Retract cylinder for ARM I or II

98749 14" Retract cylinder for Plato

98751 16" Counter balance cylinder for Plato



98795

Bushing for Plato arm



98706 Chain for ARM I or II, 88"

98707 Chain for Plato, 63"



98796

15/16" SS retaining ring,
for Plato bushing



98754

12 volt DC Mac valve
for ARM II or Plato takeoffs



- 10310** Box with side holes, *only*
- 91871** Box with switch, button and red lens assembly, *only*
- 91851** Box COMPLETE, with replacement board *Illustration pg. 172*
- 91808** Mounting clamp for side switch box, 2 required



Stainless Boxes for ACR-1 and ACR-SS

- 10480** Box with front holes, *only*
- 91870** Box with switch, button and red lens assembly, *only*
- 91850** Box COMPLETE, with replacement board
- 91806** Mounting clamp for front switch box, 1 required



91833
Touch Switch for W/F



91831
Push button cover



91838
Water tight toggle switch cover



91836
Toggle switch cover



91922
Wire connector for reversing valve & sensor



91830
Push button



91840 Red lens assembly for ACR
91841 Red lens, *only*



91835
Toggle switch for ACR

Replacement Solenoids for ACR-1 and Kleen Flo



Illustration pg. 173

- 91785** Solenoid valve with stainless box
- 91795** Stainless box with lid, *only*



91800
Solenoid valve less box



99777
Solenoid, *only*

24 Volt DC



91199
Bulb, for ACR 1 board



91819
Bulb, for Metatron® 12, ACR 2 & 3® or Stimopuls® MA



91196
Fuse, for ACR board, 1.6 AMP, 5mm x 20mm



85350
Circuit board, for ACR1® takeoff, with board heater

85353
Board heater, *only*

85352
Holder & LED, for ACR (LED STYLE)



91908
Control valve gasket kit, for Apex



91825



91231



91245



91235



91239



91228



91900



17493



91904



91903

- 98790 3/16" Nylon rope (sold per foot – roll size is 1000 ft.)
- 91887 90° conduit elbow, for ACR ss takeoff box
- 91816 Stainless L bracket, for old style sensor mounting
- 91245 End cap, for Stimopuls® MA cylinder
- 91235 Seal, for Stimopuls MA cylinder
- 91237 Sealing ring, for Stimopuls MA
- 91900 Diaphragm with Anchor, for Apex
- 91991 Tube sealing cap, for Metatron® or ACR
- 91228 Replacement contact probe for WF power hose
- 91231 Front cover assembly, for Stimopuls
- 91230 Front cover, only

- This 3" OD x 26" L PVC cylinder is a direct replacement for the Stimopuls MA® takeoff
- Can also be used with any brand of vacuum operated parlor takeoff
- Has a longer rope pull out than stainless cylinders do

91662
PVC cylinder,
for Stimopuls MA

Illustration pg. 175



- 91825 Label, for Dematron 50 T
- 91239 Hanger, for Stimopuls MA for 2" line
- 17493 Felt gasket, for Stimopuls
- 91903 Pulley for Dematron 50 T
- 91904 U shaped hose, for Dematron 50 T and DeMax 50 T takeoffs
- 91906 Upper gasket, for Apex control valve
- 91907 Lower gasket, for Apex control valve
- 91908 Control valve gasket kit, for Apex
- 91911 Apex control valve seal
- 91913 O-ring, for Apex control valve kit

Rebuild Kits



91905

- 17500 Rebuild kit, for Autopuls®, Stimopuls and Apex pulsators
- 91905 21 pc rebuild kit, for Dematron 50 T and DeMax 50 T takeoffs
- 91233 25 pc rebuild kit, for Stimopuls MA takeoff

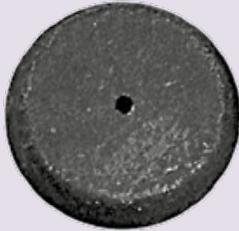


91233

Illustration pg. 175



91865
Piston,
leather sleeve style



99747
Leather sleeve,
for cylinder



91863
Top disc,
for piston



91862 Top cap, for cylinder
91861 O-ring, for ACR top cap



91860
Complete stainless
cylinder,
37" long



91868
Piston for rubber
seal, ACR cylinder



91864
Spring for
Easy Start Piston



99748
Rubber seal,
for ACR cylinder



91869
S/S washer,
for top of ACR piston



91820
Bottom,
for cylinder



91944
Replacement 1 piece plunger
for Visoflow (works only in vacuum)



91867
Piston Spring



91959
Replacement service kit
for Visoflow air valve



91845
Nut,
for Visoflow sensor &
Metatron meter



91846
Top valve cover
for Metatron & Visoflo



99751
Sensor or
meter diaphragm



91941
Replacement Vacuum
Visoflow sensor assembly

Illustration pg. 171



91940
Replacement Visoflow
sensor body with wire



91942
Replacement Air Visoflow
sensor assembly

Illustration pg. 171



- 91960** Air top assembly,
for Visoflow sensor
- Parts for Air Top Assembly**
- 91951** Air top, only
 - 91952** Spool insert
 - 91953** Air stem
 - 91954** Spring
 - 91957** U-cup
 - 91958** O-ring
 - 91956** 3/4" S/S internal retaining ring

Illustration pg. 180



91945 Plunger assembly,
for Visoflow sensor



91946 Plunger only,
for Visoflow sensor



91948
Rubber kit,
for Vacuum
Visoflow sensor

- 91981** Latch cover for Metatron
- 91982** Latch Pivot for Metatron
- 91984** Lid cover for Metatron
- 91986** Metatron Meter body with probe & wire
- 91991** Tube sealing cap for Metatron®
- 91987** Replacement spring clamp for Metatron meter (LH)
- 91988** Replacement spring clamp for Metatron meter (RH)



91807
Mounting bracket,
for Metatron box



91986



91987

91984

91988



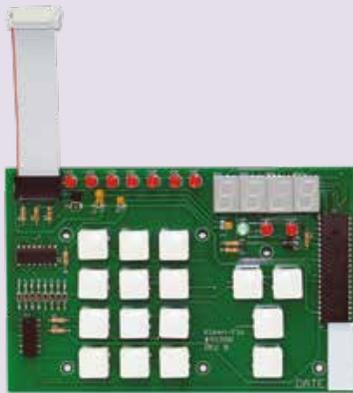
91982



91981



91991



91998
Keyboard,
for Metatron 12, adapts to version
040 and newer



91912
Claw drop interface
for Metatron APEX
(works with APEX only)



91980 Service kit for Metatron® meter

INCLUDES:

- 1-**99252** lid gasket
- 1-**99185** silicone line gasket
- 3-**91991** sealing caps
- 2-**99751** diaphragms
- 1-**91970** plunger assembly with diaphragm



91970 Plunger assembly,
for Metatron® meter

91971 Plunger only,
for Metatron® meter



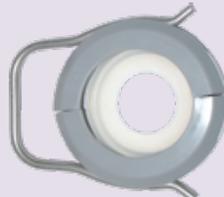
91805
Stainless L shaped
cylinder bracket

**Stainless Curb
Mount Brackets**

- 99172** 5/8"
- 99173** 3/4"
- 99174** 7/8"



91814



91810 3" stainless milk line clamp for Visoflow® or Metatron® Includes gasket

91814 4" stainless milk line clamp for Visoflow® or Metatron® Includes gasket

91811 Gasket, for stainless for 3" & 4" milk line clamps



99180 Breakaway clamp kit

99185 Silicone line gasket

99177 Spring clamp

99175 Clamp half, only

91817 Tri clamp inlet for 2 1/2" line w/gasket

56304 Gasket for Tri clamp inlet

VSO Parts



99736
Radel VSO top,
with brass inserts



99480
O-ring
for VSO plastic cylinder
top



99733
Plunger
for VSO float



99730
Cap & stem
for VSO float



20747
Black knob
for VSO float rod



99738
Radel base
for VSO



99731 Rubber rebuild kit

INCLUDES:

- 99737** Small O-ring
- 99732** Large O-ring
- 64589** Gasket
- 99739** Teflon washer

99732 Large o-ring, for mounting bracket

99737 Small o-rings, for top (Pkg. of 10)

99739 White teflon washer

64589 Gasket, goes between top and base

64610 Insert nuts (Pkg. of 12)

05251 VSO sensor float (7750-0021-568 WF/S)

64612 Screw for VSO sensor, flat head

Illustration pg. 173

Miscellaneous Replacement Parts



92279

Complete Sensor Interface assembly,
with board, box & bracket, for Omni Takeoff



92280

Sensor Interface board, only
for Omni® takeoff



92242

Cylinder bottom
with bushings
for plastic VSO®



92241

Cylinder bottom
for Omni® vacuum and
stainless VSO®



92282

Piston seal
for Omni® and
stainless VSO®
cylinder



92244

Piston seal
for PVC VSO
cylinder



92264

Stainless L shaped bracket
for plastic VSO® cylinder



91805

Stainless L shaped bracket
for Omni® and stainless VSO®
cylinders

Not Shown

92243 Bushing only, for plastic VSO® cylinder bottom

98789 1/4" Nylon rope - sold per foot - roll size is 1000 ft.

92183 Push button cover, for meter reset switch

92107 Stainless hose clamp, for One Touch milk valve



92232
Chain stop



92205
Air cylinder - 15"



92221
Milk valve button



92220
Detach valve button



92222
Manual/Auto switch



92010
Bushing and ring,
for Surge Omni Elite arm



92208 Mac valve solenoid, for Omni® air & Advantage TS - 24 VDC

92209 Mac valve solenoid, for Optic® 850 takeoff - 12 VDC

92210 Mac valve solenoid 24 VDC

78411 120V Mac valve, 4-way

Other valve options available.



92310
7 pc rubber kit
for One Touch pulsator,
less pistons

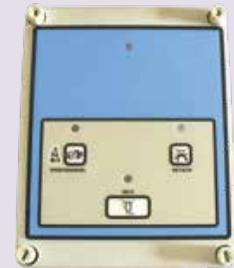
NEW



92284
Replacement solenoid
for Omni®



92330
Circuit board,
for Omni® with Visoflow



92324 Keypad only for Omni®

92325 Keypad cover for Omni®

92325-2 Gasket for Omni® cover



92245
Stainless sensor holder
for Optic sensor



92275
Rebuild kit
for Optic sensor



92311 Seal for 2" or 2½"
One Touch

92312 Seal for
3" One Touch



92000
Bushing kit,
for Surge Omni Elite arm



92316
Replacement One Touch
housing cover



92305
Shutoff diaphragm,
for One Touch & Dematron



92313
Gasket
for 2" One Touch Grip pad



92314
One Touch orange
grip pad gasket

Not Shown

92014 Stainless hinge pin, for Surge Omni Elite arm

92018 Stainless pin kit, for Surge Omni Elite arm

92230 Chain pad, for Omni Elite®

92260 Stainless chain, for Omni Elite®, 60"

92252 Bulb, for Omni Power supply

92287 10-32" nylon screw, for Omni® solenoid cover

92294 Small cord grip, for Omni® box

Decade Boxes



99711
Single dial decade box
0 to 1,000 OHMS



99722
Dual dial decade box
0 to 11,000 OHMS

Replacement Parts For Universal®



92402
Elbow hose
for UN takeoff



99708
Seal
for plastic style cylinder
with blue ends



98669
Seal
for Eco and Advisor sensor



92411
Rope guide
for 3" stainless cylinder



92408
Complete power hose
for UN with OEM
connector



92400
Diaphragm
for Advisor & Eco sensor



92395
Hanger
for Portable Ecolite
and Advisor for
2" line



92401
10 pc rebuild kit,
for EcoLite and portable Advisor takeoffs



92406
Bracket
for Parlor Advisor & Eco sensor

Not Shown

92404 Manual/ Auto switch,
for PATO®

92407 Attach/Detach switch,
for PATO®

Replacement MP380 Style Takeoff

**HEAVY-DUTY
STAINLESS STEEL DESIGN**

High Flow Sensor – 12 VAC Input Power

98592
MP 380 style takeoff
with line mount Kleen Flo® sensor



Milk Sweep Function

Built In & Selectable

Claw Drop Function

Option requires 1 - #98590
Claw drop interface kit per unit

Powers up in Detached or Attached mode (Selectable)

Never Lose the Shunts (jumpers) While Setting Up

All main settings are adjusted using on board dip switches

Built in Pulsator Shutoff After Detach

0 to 2 Second Vacuum Application

delay at start of each attach cycle

90 Second to 240 Second Let Down Delay

1 Second to 30 Second Strip Time

Time between end of milk flow until detach

2.5 Second Delay from Detach to Milk Sweep

Feature can be turned OFF

1.2 Second or 2 second Milk Sweep Duration

Not applicable if Milk Sweep is turned OFF

Claw Drop (AUX)

Delay: 3, 10, 17, 25 or 40 second

After Detach Cycle (If installed)

98593
SST#2 style takeoff
with curb mount Kleen Flo® sensor



MODEL 500 TAKEOFF

FEATURES:

- Built in heater to reduce condensation
- Optional accumulative vs. standard strip time via an "on board jumper"

ACCUMULATIVE: In 10 second strip mode, accumulates total of 10 seconds of no milk flow before detaching.

STANDARD: In 10 second strip mode, requires 10 consecutive seconds of no milk flow before detaching.

- Power requirements: 24VAC, 25 WATT
- Full flow sensing

Illustration pg. 176

Model 500 Units and Parts

91720	Kleen Flo® 500 – with DL style cylinder and Kleen Flo® sensor
91725	Kleen Flo® 500 – with DL style cylinder and Interpuls® sensor
91730	Kleen Flo® 500 – with WF style cylinder and Kleen Flo® sensor
91737	Kleen Flo® 500 – with WF style cylinder and Interpuls® sensor
91739	Kleen Flo® 500 – with WF style cylinder and Visoflow style sensor
91741	Klee Flo model 500 box assembly, with circuit board
91710	Circuit Board
91785	Control Valve, 24V

Optional Sensors



91750
Interpuls® sensor

Illustration pg. 173



91941
Visoflow style sensor



99877
3" Line mount
Kleen Flo® sensor



99881
Curb mount
Kleen Flo® sensor



91730

TAKEOFFS

MODEL 600 TAKEOFF

FEATURES:

- Full flow sensing
- Milk sweep
- Dual valve for critical end-of-milk retract delay
- 24 Volt AC/DC power
- Touch switch controls
- LED lights
- Optional claw lift and drop
- Power up in wash mode
- Wash exit connection to take all units out of wash mode with one button push
- In board pulsation

Illustration pg. 176

Model 600 Units and Parts

91701	Kleen Flo® 600 – with Kleen Flo® line mount sensor
91702	Kleen Flo® 600 – with Kleen Flo® curb mount sensor
91703	Kleen Flo® 600 – with Interpuls® sensor
91704	Kleen Flo® 600 – with Visoflow style sensor
91708	Kleen Flo® model 600 box assembly, with circuit board
91700	Circuit Board
98686-1	VAC/ATM control valve, 24V

SEE PAGE 134 for Optional Sensors



91701



91700
Circuit Board

TAKEOFFS

Stainless Snaps, Clips, & Links

- 96088** Heavy-duty stainless snap, 5/32"
- 96012** Standard stainless snap, 1/4"
- 98782** Large stainless repair link
- 96014** Small stainless repair link
- 96087** Breakaway stainless clip



96030 Stainless chain.
This is a top quality, heavy-duty, stainless steel chain as each link is welded all the way around. This chain is sold per foot but available at any length.

QUANTITY DISCOUNTS AVAILABLE



ACME® Transformers

These 500 Watt - .500 KVA transformers come with a breaker switch installed but are available without if requested.

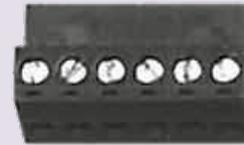


- 99718** 12 volt -30 AMP breaker AC or DC
- 99716** 24 volt -20 AMP breaker AC or DC
On/Off toggle switch

Parts for Transformers

- 99717** Toggle switch for 24 volt transformer, *(on/off)*
- 92592** 20 AMP breaker switch
- 92590** 30 AMP breaker switch

Terminals for Circuit Boards



92426



92424

- | | |
|-----------------------------|------------------------------|
| 92422 2 pin terminal | 92426 6 pin terminal |
| 92423 3 pin terminal | 92428 8 pin terminal |
| 92424 4 pin terminal | 92430 10 pin terminal |
| 92425 5 pin terminal | |

Vacuum Operated Radel Milk Line Shutoff

To convert to normally closed on the Boumatic® 3000 series takeoffs, take the plug out of the solenoid and replace it with 78491 solenoid adaptor nipple and order whatever length of 78492 hose that you will need.



Illustration pg. 173

78490

Normally Closed - Vacuum operated milk line shutoff
Can be used with 5/16" or 3/4" milk hose

- | | |
|--------------------------------------|--------------------------------|
| 78491 Solenoid adaptor nipple | 78493 Cover |
| 20161 3/16" x 12" Hose | 99751 Shutoff diaphragm |

Switching Power Supply

The switching power supplies SPD series are specially designed to be used in all automation application where the installation is on a DIN rail and compact dimensions and performance are a must.



61598

VAC Input, 24VDC Output Regulated Switching Power Supply;
20Amps (480 Watts) DIN Rail Mounting

TAKEOFFS

Replacement Takeoff Cylinders

- 99808** Complete BM style air cylinder assembly, with mounting brackets
- 99809** BM style air cylinder assembly, less mounting brackets
- 91860** Stainless cylinder, WF style 37" long
- 98721** Stainless cylinder, DL style, with rope
- 98731** Stainless cylinder, DL style, with chain



99808
99809

91860

98721
98731

Standard length is 39½" Custom Sizes Available

91662
PVC cylinder
3" OD x 26" L

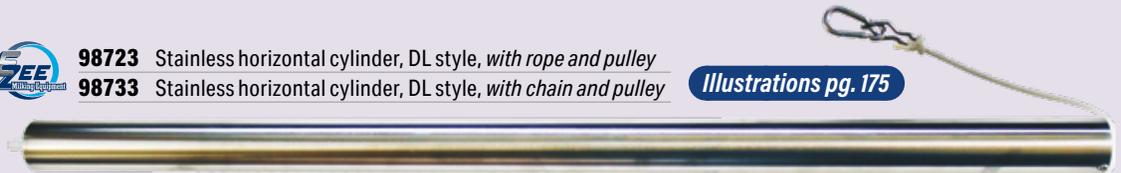
98750
PVC DL style cylinder
26.5" Long

Illustrations pg. 174



- 98723** Stainless horizontal cylinder, DL style, with rope and pulley
- 98733** Stainless horizontal cylinder, DL style, with chain and pulley

Illustrations pg. 175



Replacement Parts for Germania® Takeoffs

For Model E



96089
Chain cylinder assembly

Illustration pg. 176

Parts

- 96138** Chains, 53" long
- 96189** Cylinder
- 96190** Pulley assembly
- 96191** Top cap for square tube
- 96192** Bottom cap for square tube
- 96193** Stainless steel square tube assembly
- 96194** Mounting bracket plate for 96089 cylinder

The 96089 GM Style Air Cylinder will also work with the following detachers:

For Delaval detachers:

- SST2 & ALPRO**, a 92209 Mac valve is needed
- MPC: 130 & 150**, a 92208 Mac valve is needed

For Boumatic detachers:

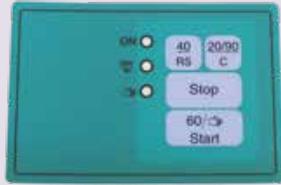
- 2000/3000/4000 SERIES**, a 92208 Mac valve is needed

For Surge detachers:

- OMNI**, a 92208 Mac valve is needed

For Westfalia detachers:

- ACR SS, ACR3 APEX & METATRON 12 APEX**, a 92208 Mac valve is needed



91824
For Stimopuls® MA



91826
For Metatron® #12
plastic style cover



91821
For ACR SS. blue



91822
For ACR SS, green



91828
For ACR® #3



91825
For Dematron 50T



99625
For 2101D



99643
For 3000M
and 2101M



99646
For 3000D



99567
Replacement keypad for
BM AMI 55550 Cover



99811
For 2000V



99812
For 2100D



99640
For 2000VM



99627
For 4600D



99760
For MilkMaster



98615
For Delpro



92375
For Advisor



91709
For Kleen Flo® Model 600



91745
For Kleen Flo® Model 500



96034
1/8" NPT to 19/32"
Brass bushing
(pack of 10)



96049
1/4" Adjustable muffler

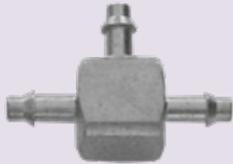


96054 1/16" Hose barb
(pack of 10)

96055 1/8" Hose barb
(pack of 10)



96137
19/32" Plugs
(pack of 10)



96056

96056 1/16" Tee (pack of 10)



96059

96059 19/32" Adjustable Tee



96051 1/16" Cross

96052 1/8" Cross
(Not Shown)



96129 1/8" Hose mender
(pack of 10)

96130 1/16" Hose mender
(pack of 10)



96060

96060 1/4" NPT x 1/8" NPT hex reducer nipple (pack of 10)



96123

96123 19/32" Adjustable elbow



96128

96128 1/8" NPT to 1/16" barb (pack of 10)



96126

96126 Female thread tee (pack of 10)



96016

96016 Thin sensor top

96017 Thick sensor top



96031



96023



96003



96036



96038

96031 PT 110

96023 Whisker valve

96003 D Restrictor

96036 IFC 15 flow control -
Replaces X180

96038 2 Way valve (PT 210)

96142 3 Way valve (PT 310)
(Not Shown)

Push Button Actuator



96133 3NC Versa Valve, with **Green** knob

96133-1 3NC Versa Valve, with **Red** knob

96132 2NC Versa Valve



96143 **Black**

96143-1 **Red**

96143-2 **White**

96143-3 **Green**

96143-4 **Yellow**



96040 4 Way valve double activated
(PT420)

96039 4 Way valve (PT410)



96151

Kit to rebuild
counterbalance cylinder



96340

96340 Plunger for retract cylinder

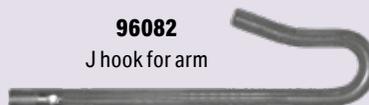


96341

96341 Black top for retract cylinder

96082

J hook for arm



96018

96018 Round chain guide



96120

96120 Chain guide, for Model C



96121

96121 Pully, for Model C

96020
PT 421 valve,
with shroud

**1 YEAR
WARRANTY**



- 96000** Red knob for GM
- 96001** Green knob for GM
- 96020-1** PT 421 valve, only
- 96019** Black shroud adaptor



96112
EV 125 quick
exhaust valve



96033
Rebuild kit
for EV 125 quick exhaust

- 96225** Diaphragm
- 96227** Square o-ring
- 96229** Screw



96022
Manual/
Automatic valve

- 96047** Valve body
- 96041** Valve plunger
- 96045** Valve handle

- 96043** Black knob (Pack of 10)
- 96042** Valve cam
- 96044** Valve cam pin

Miscellaneous Parts

- | | |
|---------------------------------------------------------|-------------------------------------------------------------------|
| 96005 1/8" Black tubing | 96090 Big cylinder |
| 96006 1/8" Blue tubing | 96079 Big cylinder repair kit |
| 96007 1/16" Gray tubing | 96010 Square nylon bushing |
| 96008 1/16" Blue tubing | 96311 1 1/8" MDS nylon bushing |
| 96009 1/16" Red tubing | 96314 3/8" MDS nylon bushing |
| 96011 1/8" Red tubing | 96318 3/8" MDS nylon bushing |
| 96168 3/16 x 1" Spring pin | 96062 U-cup #1, Replaces
GM 30731 or 30744 (Pack of 10) |
| 96169 1/4 x 1" Spring pin | 96063 O-ring #1, Replaces GM 30810 |
| 96170 3/32 x 5/16" Spring pin | 96068 U-cup #3, Replaces GM 30736
(Pack of 10) |
| 96152 1/2" heavy-duty external
retaining ring | 96070 O-ring #2, Replaces GM 30742 |
| 96160 1/2" external retaining ring | 96094 3-Fold bushing kits |
| 96013 Brake disc | 96095 4-Fold bushing kits |
| 96139 Chain for Model B/SB | 96015 Black cover knob |
| 96086 #4 Spring | 96030 SS chain (per foot) |
| 96061 Neoprene spring | |
| 96080 Model B pulley | |
| 96026 Claw chain | |
| 96053 Chain guide block | |
| 96083 Counter balance regulator | |



96113
White sensor ring



96205
Replacement sensor
body, straight cut



96111
Shutoff,
without bracket
for 3/16" or 5/16" hose

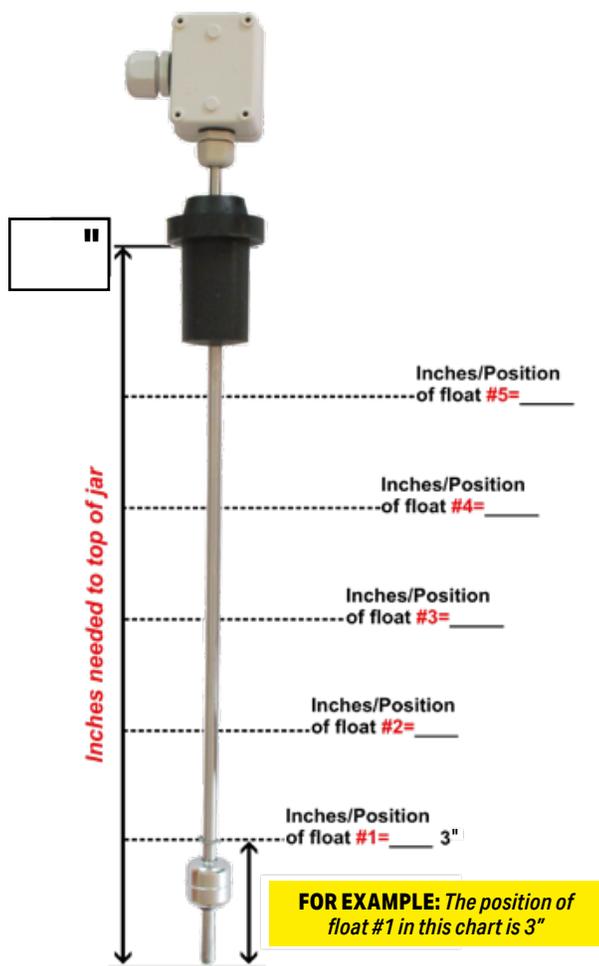


96029
Shutoff,
with bracket
for Model B & C

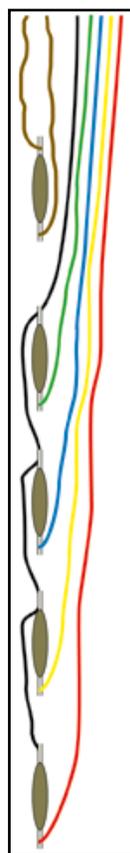
96147
Shutoff,
without bracket
for 3/4" Hose

Kleen Flo® Variable Speed Probe Assembly **CUSTOM PROBE ORDER FORM**

Probes come with one float. More can be added for an extra charge.
Maximum is 5 activation points.



Standard Configuration



- 1st Switch **RED**
- 2nd Switch **YELLOW**
- 3rd Switch **BLUE**
- 4th Switch **GREEN**
- Top Switch **2 BROWN** (Isolated)
- Common **BLACK**

- Need measurement of **exact location** of each additional float for proper placement.
- Measure from bottom up for your float(s) position(s) in inches.

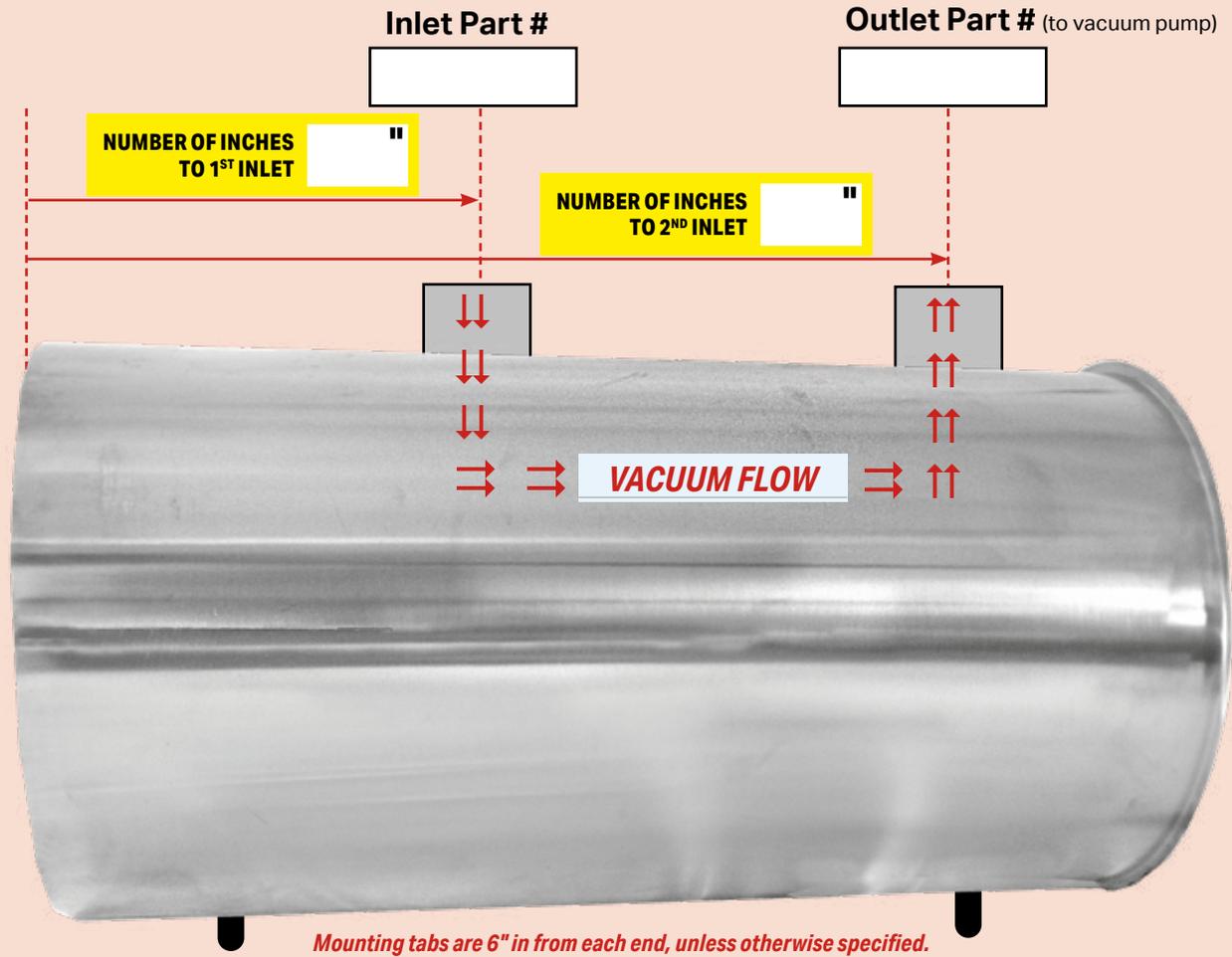
Date	PO#
Name	
Phone	Fax
Float Assembly with Probe Holder: <i>(Please circle one)</i>	<input type="checkbox"/> 20022 <input type="checkbox"/> 20022-1 <input type="checkbox"/> 20023 <input type="checkbox"/> 20023-1
Notes	

- 20022** Complete probe assembly, with **collar** and 1½" probe holder
- 20022-1** Complete probe assembly, with **clip** and 1½" probe holder
- 20023** Complete probe assembly, with **collar** and 2" probe holder
- 20023-1** Complete probe assembly, with **clip** and 2" probe holder

- 20004** Additional floats,
INCLUDES: Collar and float
- 20015** Junction box, with large cord grip
- 20016** Clip
- 20018** Stainless steel collar, 5/16" ID - 5/8" OD - 5/16" width
- 20030** Stainless float

12 x 18 & 12 x 24 CUSTOM MOISTURE TRAP ORDER FORM

Always measure from back of the moisture trap for the vacuum inlet and outlet



Date	PO#
Business &/or Contact Name	
Phone	Fax
Signature	

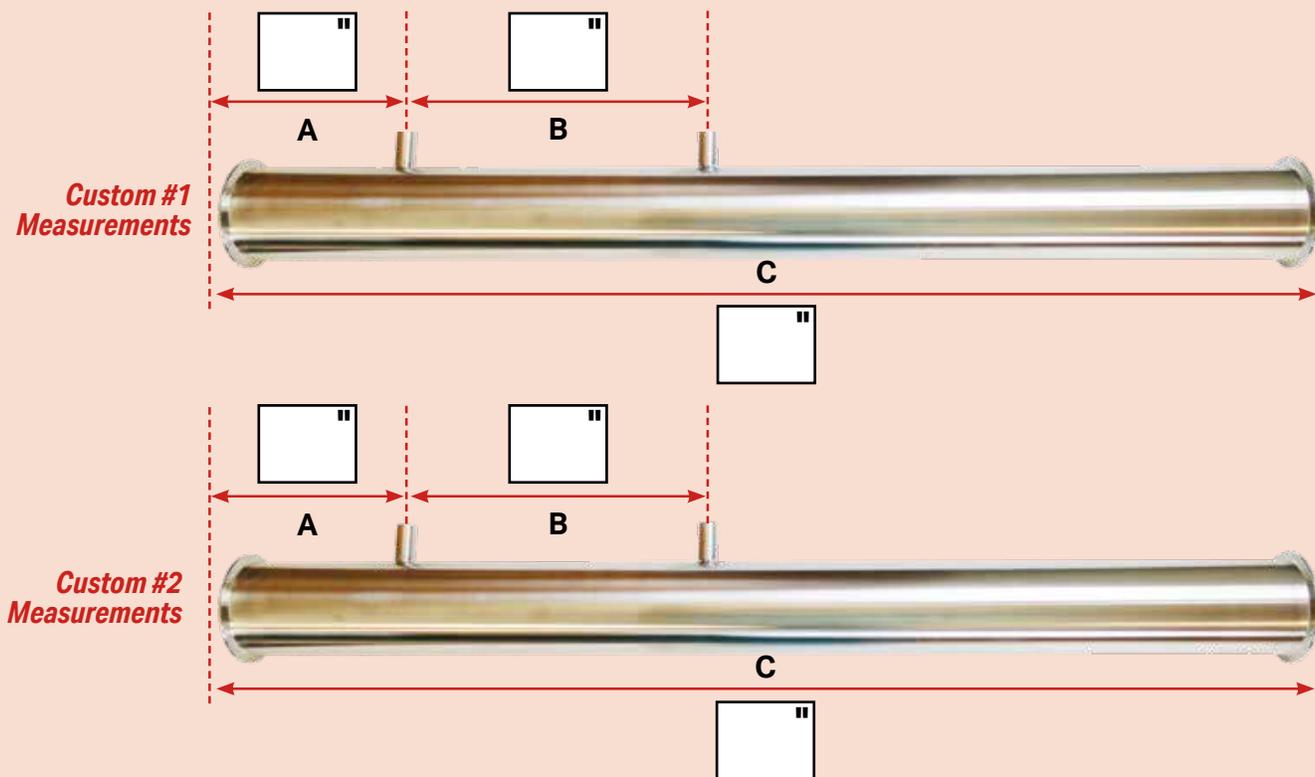
- 20249 Blank horizontal moisture trap with lid, 12 x 18
- 20250 Blank horizontal moisture trap with lid, 12 x 24
- 20275 3" NPT threaded outlet, welded on moisture trap
- 20276 4" NPT threaded outlet, welded on moisture trap
- 20278 4" Tri clamp inlet, welded on moisture trap
- 20278-1 4" Tri clamp outlet, welded on moisture trap
- 20279 3" Tri clamp inlet, welded on moisture trap
- 20279-1 3" Tri clamp outlet, welded on moisture trap

Outlet has a ball seat and cage

SHORTER TRAP SIZES AVAILABLE UPON REQUEST

CUSTOM STAINLESS PIPELINE ORDER FORM

Please use separate forms for different sized tubing



PLEASE FILL OUT ALL APPLICABLE INFORMATION ON THE FORM AND THEN SIGN AND RETURN TO US.

Date	PO#
Business &/or Contact Name	
Phone	Fax
Tubing Part #	Number of Tubing Runs
Nipple Part #	Number of Nipples per Run
Nipple O.D. Size	Ferrules <i>(Please check one)</i> Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature	Wash or Milk Line <i>(Please check one)</i> Wash <input type="checkbox"/> Milk Line <input type="checkbox"/>

Notes:

16 Gauge

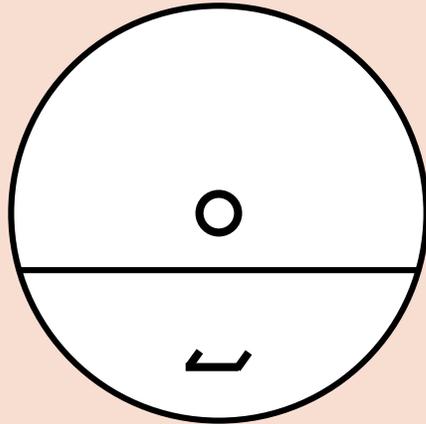
- 54409 1"
- 54411 1½"
- 54414 2"
- 54416 2½"
- 54418 3"
- 54419 4"

Cutting & Welding Charges

- 20281 Cutting tubing
- 20282 Labor, to weld on ferrules for 1½", 2", 2½"
- 20283 Labor, to weld on ferrules for 3", & 4"
- 20285 Labor, for inlet welding ¼", ⅝", ¾", 7⁄8", 1"
- 20286 Labor charge for nipple welding at 30° angle for ¾"
- 20285-1 Labor charge to weld 1" 54605 ferrule on pipe
- 20285-3 Labor charge to weld 45 degree 1" elbow

Any Questions Call Dustin @ 1-800-768-0887

CUSTOM VERTICAL MILK/WASH VAT ORDER FORM



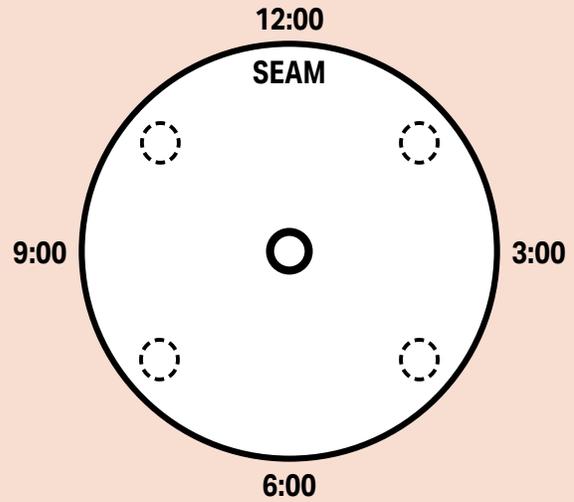
Lid View

Milk/Wash Vat with Split Lid

- 27020** 85 gal
- 27021** 115 gal
- 27022** 150 gal
- 27023** 195 gal
- 27036** 225 gal
- 27024** 275 gal
- 27251** 500 gal

Milk/Wash Vat with Solid Lid

- 27025** 85 gal
- 27026** 115 gal
- 27027** 150 gal
- 27028** 195 gal
- 27037** 225 gal
- 27029** 275 gal



Top View of Vat

- 20280** Master number for Standard ferruled inlet
Please add on: -1.5, -2, -2.5, -3 or -4 *For example: 20280-1.5*
- 20284** Master number for ferruled inlet with 45° elbow
*Please add on: -1.5, -2, -2.5, -3 or -4**
- 20287** Master number for Parallel inlets welded on custom vats
*Please add on: -1.5, -2, -2.5, -3 or -4**

Miscellaneous Parts

- 20301** 3" Overflow welded on custom milk/wash vat
- 20302** 4" Overflow welded on custom milk/wash vat
- 27001** Anti-swirl device for milk/wash vat
- 27018** Spray ball w/ 1.5" pipe x 8" pipe vat

- 27254** 1 set of 6 adjustable feet for 400 & 500 gallon milk/wash vat;
price includes install in vat.
- 27255** 1 set of 4 adjustable feet for 225 & 275 gallon milk/wash vat;
price includes install in vat

QTY.	PART #	LOCATION	NOTES

Business &/or Contact Name		PO#
Phone	Fax	Email
Vat Part #		
Spray Ball Tube with 1½" Ferrule (Please check one)		
Yes <input type="checkbox"/>		No <input type="checkbox"/>
2" Ferrule Welded on Outlet (Please check one)		Add _____" of Tubing to Legs
Yes <input type="checkbox"/>		
Signature		Date



CUSTOMER SERVICE IS OUR GOAL

Partnering with you in the dairy industry.

3772 East Newport Road, Gordonville, PA 17529

Toll Free: 888-880-3933 Fax: 877-204-7628

RMA FORM

In order that we may handle your returned merchandise more quickly and efficiently, please complete this form and return it with all of the products you are returning.
FAILURE TO INCLUDE THIS FORM WITH ALL RETURNS WILL DELAY PROCESSING OF CREDIT.

Restocking Fees

All returns may be subject to a restocking charge as listed below.

- Items returned within **2 MONTHS** from the invoice date, and in new condition, **NO RESTOCKING FEE.**
- Items returned from **2-6 MONTHS**, there is a **10%** restocking charge.
- Items returned from **6 MONTHS TO 1 YEAR**, there is a **20%** restocking charge.
- All returns **OVER 1 YEAR**, there is a **50%** restocking charge.

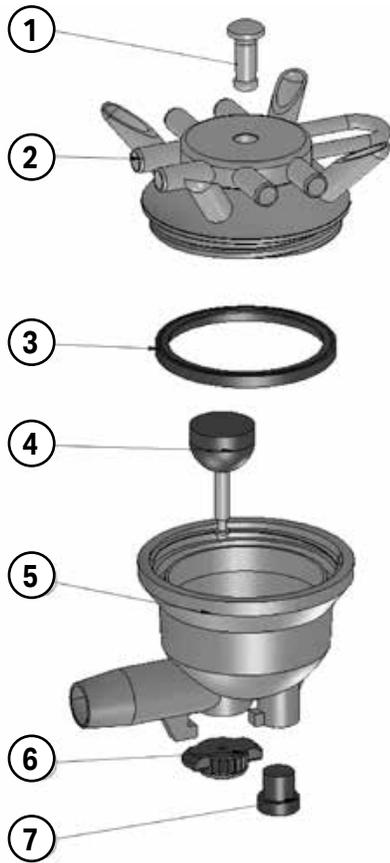
Date		
Customer Name		
Address		
City	State	Zip
Phone		

INVOICE #	QTY.	PART #	DESCRIPTION	NEW	USED	FOR REPAIR	COST	TOTAL

NOTES:	Sub-total	
	Shipping	
	% Restocking	
	Total Credit	

FORMS

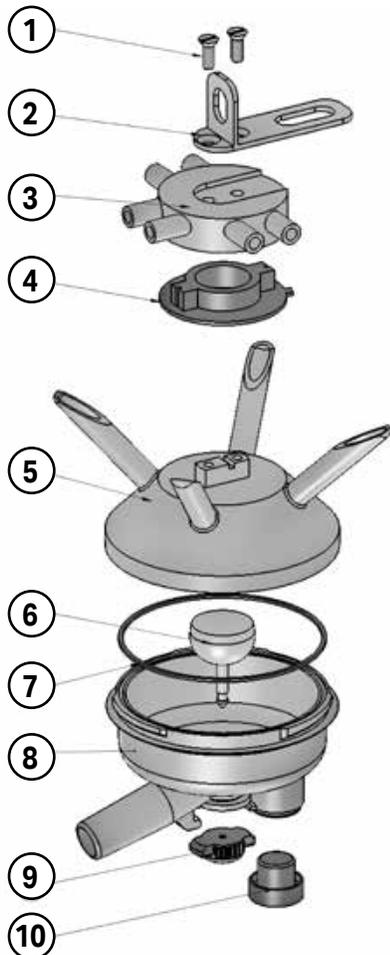
Sold on pg. 6



#10867 Replacement Alternating Flow-view Claw

ITEM	PART #	DESCRIPTION	QTY
1	10882	Vent	1
2	10869	Alternating stainless top	1
3	10865	Bowl gasket	1
4	10861	Shutoff	1
5	10860	Flow-view bowl, 180cc	1
6	10864	Shutoff clip	1
7	10870	Bumper	1

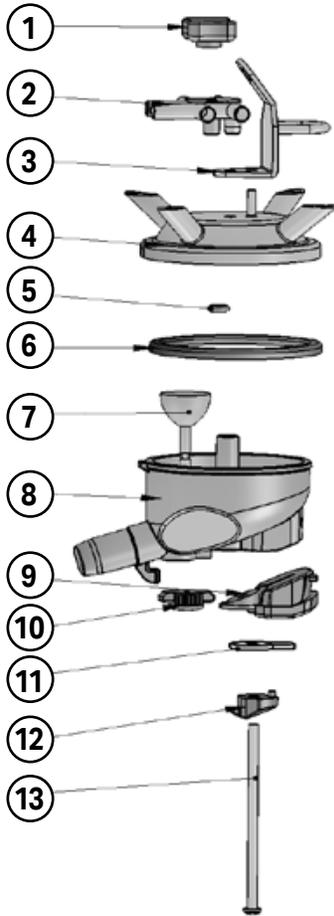
ILLUSTRATIONS



#10875 Replacement Super Lite Claw WITHOUT Valve, with USED Original Top

#10876 Replacement Super Lite Claw WITH Valve, with USED Original Top

ITEM	PART #	DESCRIPTION	QTY
1	10883	Screw	2
2	10885	Top stainless hanger with loop	1
3	10884	Air chamber	1
4	10899	Gasket for air chamber	1
5	112070	Used Original stainless top	1
6	10862	White shutoff	1
7	10873	Bowl gasket	1
8	10895	Super bowl with valve hole	1
	10894	Super bowl without valve hole	
9	10864	Shutoff clip	1
10	10881	Bumper	1
11	10897	Bowl kit for Super claw WITH valve (includes: 1-6)	1
12	10896	Bowl kit for Super claw WITHOUT valve (includes: 7, 8a, 10)	1

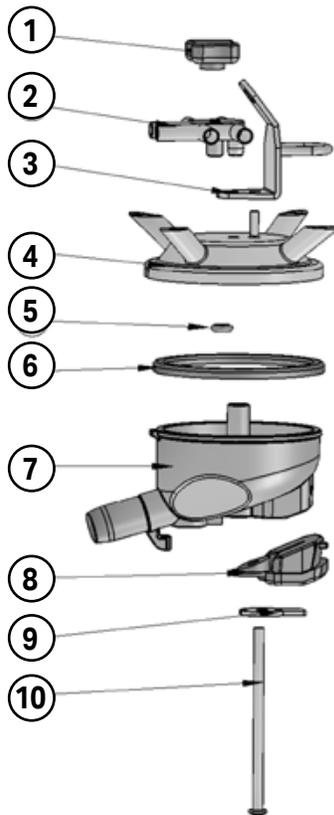


300cc Claw with Valve

Sold on pg. 4

- 14326** Replacement 300cc Claw with Valve – S.S. $\frac{3}{32}$ ", side to side
- 14327** Replacement 300cc Claw with Valve – S.S. $\frac{3}{32}$ ", back to front
- 14328** Replacement 300cc Claw with Valve – S.S. $\frac{3}{8}$ " x $\frac{1}{4}$ ", back to front
- 14329** Replacement 300cc Claw with Valve – S.S. $\frac{3}{8}$ " x $\frac{3}{32}$ ", back to front
- 14333** Replacement 300cc Claw with Valve – S.S. $\frac{1}{4}$ ", back to front
- 14300** Replacement 300cc Claw with Valve – Plastic, $\frac{3}{32}$ " side to side
- 14300** Replacement 300cc Claw with Valve – Plastic, $\frac{3}{32}$ " back to front

ITEM	PART #	DESCRIPTION	QTY
1	14313	Black nut	1
2	14320	Stainless $\frac{3}{32}$ " x $\frac{3}{32}$ "	Side to Side Tee
	14324	Stainless $\frac{3}{32}$ " x $\frac{3}{32}$ "	Back to Front Tee
	14321	Stainless $\frac{3}{8}$ " x $\frac{3}{8}$ "	Back to Front Tee
	14323	Stainless $\frac{3}{8}$ " x $\frac{1}{4}$ "	Back to Front Tee
	14336	Stainless $\frac{1}{4}$ " x $\frac{1}{4}$ "	Back to Front Tee
	14309	Plastic $\frac{3}{32}$ " x $\frac{3}{32}$ "	Side to Side Tee
	14335	Plastic $\frac{3}{32}$ " x $\frac{3}{32}$ "	Back to Front Tee
3	14312	Stainless top hanger with loop	1
	14346	Stainless top hanger with hook	
4	14315	Stainless top, VENTED	1
	14340	Stainless top, NON-VENTED	
5	14307	Small gray center gasket	1
6	14305	Bowl gasket	1
7	14351	Gray shut-off valve	1
8	14350	RADEL bowl WITH hole	1
9	14306	Rubber bumper	1
10	14302	Shut-off clip	1
11	14318	Stainless flat tab	1
12	14304	Bolt holder	1
13	14308	Bolt for claw with valve	1
14	14355	Rubber parts kit for claw with valve (Includes: 5-7,9, & 10)	



300cc Claw without Valve

Sold on pg. 4

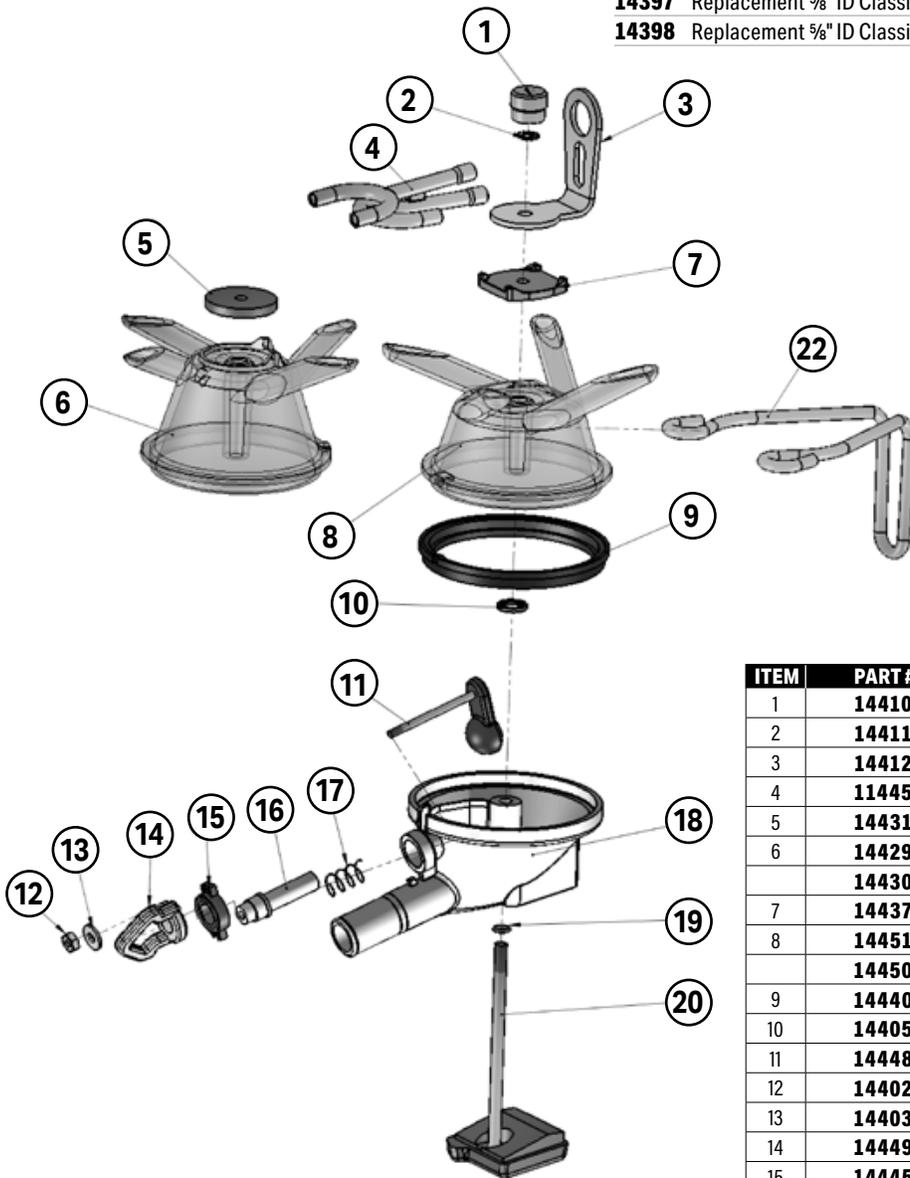
- 13304** Replacement 300cc Claw without Valve – S.S. $\frac{3}{32}$ ", side to side
- 13304** Replacement 300cc Claw without Valve – S.S. $\frac{3}{32}$ ", back to front
- 13306** Replacement 300cc Claw without Valve – S.S. $\frac{3}{8}$ " x $\frac{1}{4}$ ", back to front
- 13307** Replacement 300cc Claw without Valve – S.S. $\frac{3}{8}$ " x $\frac{3}{32}$ ", back to front
- 13314** Replacement 300cc Claw without Valve – S.S. $\frac{1}{4}$ ", back to front
- 13300** Replacement 300cc Claw without Valve – Plastic, $\frac{3}{32}$ " side to side
- 13312** Replacement 300cc Claw without Valve – Plastic, $\frac{3}{32}$ " back to front

ITEM	PART #	DESCRIPTION	QTY
1	14313	Black nut	1
2	14320	Stainless $\frac{3}{32}$ " x $\frac{3}{32}$ "	Side to Side Tee
	14324	Stainless $\frac{3}{32}$ " x $\frac{3}{32}$ "	Back to Front Tee
	14321	Stainless $\frac{3}{8}$ " x $\frac{3}{8}$ "	Back to Front Tee
	14323	Stainless $\frac{3}{8}$ " x $\frac{1}{4}$ "	Back to Front Tee
	14336	Stainless $\frac{1}{4}$ " x $\frac{1}{4}$ "	Back to Front Tee
	14309	Plastic $\frac{3}{32}$ " x $\frac{3}{32}$ "	Side to Side Tee
	14335	Plastic $\frac{3}{32}$ " x $\frac{3}{32}$ "	Back to Front Tee
3	14312	Stainless top hanger with loop	1
	14346	Stainless top hanger with hook	
4	14315	Stainless top, VENTED	1
	14340	Stainless top, NON-VENTED	
5	14307	Small gray center gasket	1
6	14305	Bowl gasket	1
7	13350	RADEL bowl WITHOUT hole	1
8	14306	Rubber bumper	1
9	14318	Stainless flat tab	1
10	13308	Bolt for claw without valve	1
11	13325	Rubber parts kit for claw without hold, (Includes: 5, 6, & 8)	

Flo Star® Claw

Sold on pg. 3

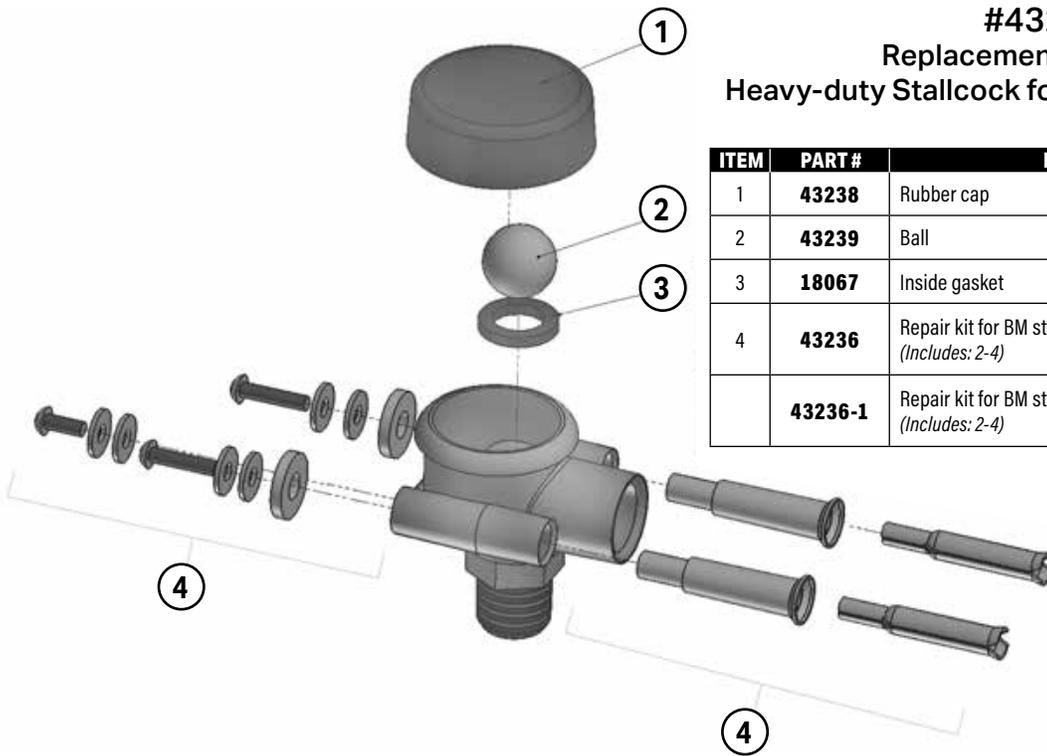
- 14391** Replacement 5/8" ID Standard Flo Star® claw WITH valve VENTED
- 14392** Replacement 5/8" ID Standard Flo Star® claw WITHOUT valve VENTED
- 14393** Replacement 5/8" ID Classic Flo Star® claw WITH valve VENTED
- 14394** Replacement 5/8" ID Classic Flo Star® claw WITHOUT valve VENTED
- 14395** Replacement 5/8" ID Standard Flo Star® claw WITH valve NON-VENTED
- 14396** Replacement 5/8" ID Standard Flo Star® claw WITHOUT valve NON-VENTED
- 14397** Replacement 5/8" ID Classic Flo Star® claw WITH valve NON-VENTED
- 14398** Replacement 5/8" ID Classic Flo Star® claw WITHOUT valve NON-VENTED



ITEM	PART #	DESCRIPTION	QTY
1	14410	Top knob	1
2	14411	Star lock washer for top knob	1
3	14412	Top hanger	1
4	11445	3/8" air tee	1
5	14431	Top seal for Standard	1
6	14429	Standard top, VENTED	1
	14430	Standard top, NON-VENTED	1
7	14437	Top seal for Classic	1
8	14451	Classic top, VENTED	1
	14450	Classic top, NON-VENTED	1
9	14440	Bowl gasket	1
10	14405	Center seal	1
11	14448	Shutoff valve	1
12	14402	Nut for valve	1
13	14403	Washer for valve	1
14	14449	Handle for shutoff	1
15	14445	Shutoff clip	1
16	14447	Sleeve for shutoff	1
17	14409	Spring for valve	1
18	14425	Claw base WITH valve hole	1
	14426	Claw base WITHOUT valve hole	1
19	14406	Silicone O-ring for bumper	1
20	14415	Bumper for Standard	1
	14414	Bumper for Classic	1
21	14435	Stainless CIP hanger	1
22	14420	9-piece kit for Flo Star® with valve. (Includes: 2, 5, 7, 9, 11, 12, 16, 18, 20)	1
23	14421	6-piece kit for Flo Star® without valve. (Includes: 2, 5, 7, 9, 11, 20)	1
24	14443	Valve kit (Includes: 12-18)	1

Sold on pg. 14

#43260 Replacement Thread on Heavy-duty Stallcock for BM, with Standard Kit

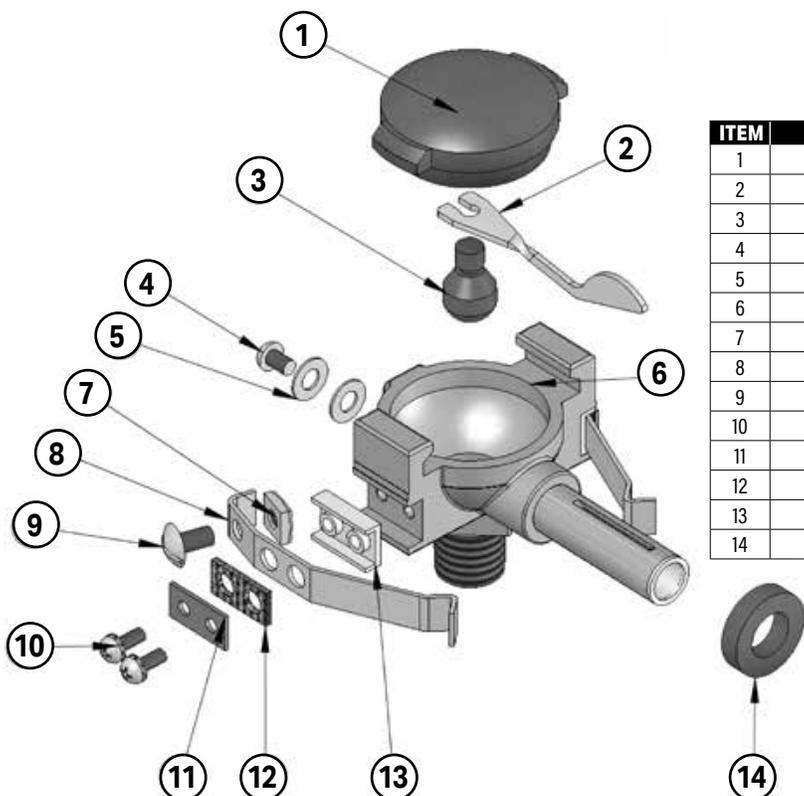


ITEM	PART #	DESCRIPTION	QTY
1	43238	Rubber cap	1
2	43239	Ball	1
3	18067	Inside gasket	1
4	43236	Repair kit for BM stallcock, Standard (Includes: 2-4)	1
	43236-1	Repair kit for BM stallcock, New Improved (Includes: 2-4)	1

ILLUSTRATIONS

Sold on pg. 14

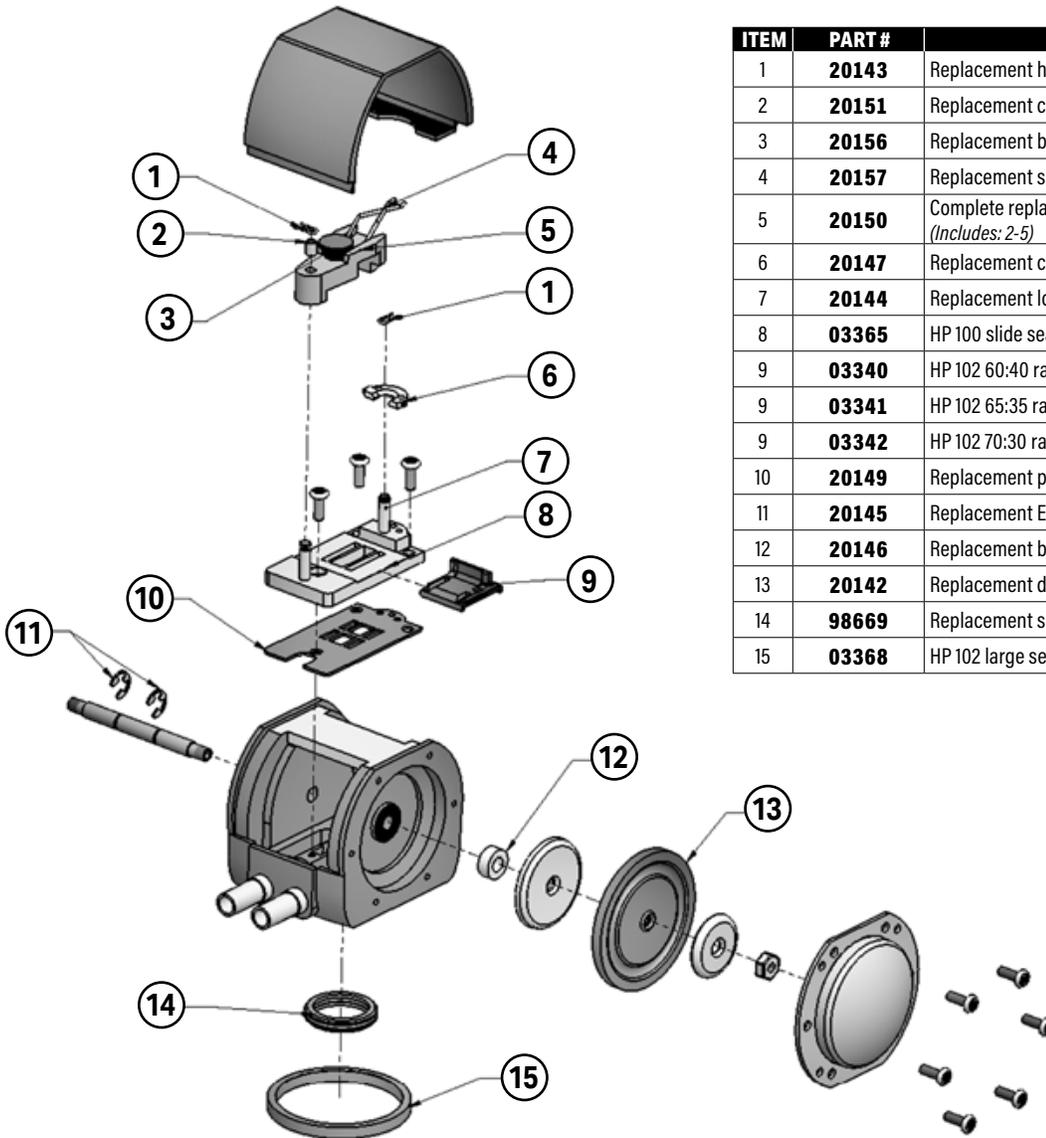
#23810 Replacement DL Alternating Stallcock



ITEM	PART #	DESCRIPTION	QTY
1	23885	Rubber cap	1
2	23882	Stainless insert	1
3	23880	Rubber plug	1
4	23899	Ground screw	1
5	23897	Flat washer	2
6	23890	Stallcock body	1
7	23896	Square nut	2
8	23893	Stainless contact arm	2
9	23895	Large screw	2
10	23898	Small side screw with tooth washer	4
11	23892	Stainless plate	2
12	23887	Electrical insulator	2
13	23888	Plastic plate	2
14	23875	Gasket	1

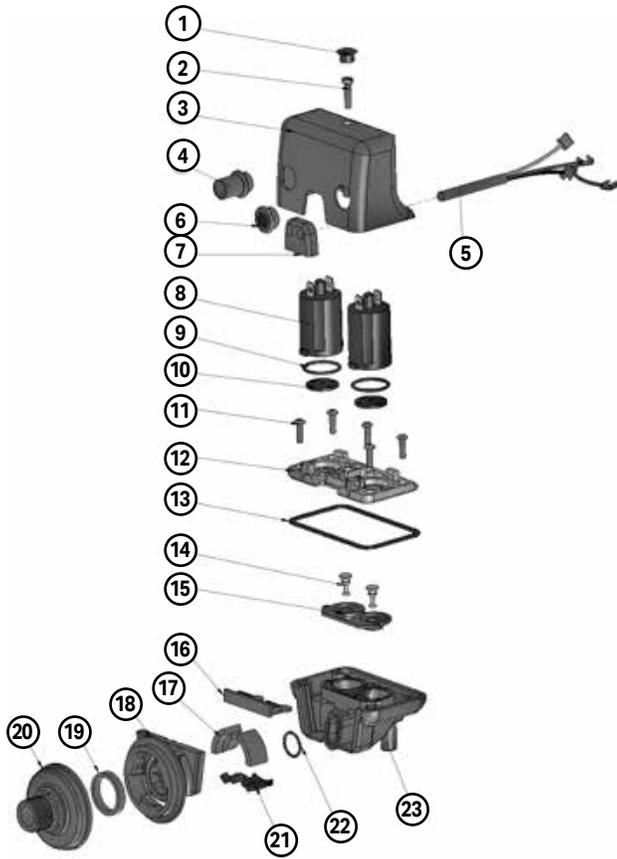
Sold on pg. 17

HP 100 Pulsator



ITEM	PART #	DESCRIPTION	QTY
1	20143	Replacement hairpin clip for HP changeover arm	2
2	20151	Replacement changeover arm bushing	1
3	20156	Replacement button for HP changeover arm	1
4	20157	Replacement spring for HP 100 changeover arm	1
5	20150	Complete replacement changeover arm for HP 100 (Includes: 2-5)	1
6	20147	Replacement changeover slide	1
7	20144	Replacement long pin for HP100 changeover holder	1
8	03365	HP 100 slide seat	1
9	03340	HP 102 60:40 ratio slide (96571001DL)	1
9	03341	HP 102 65:35 ratio slide (99824901DL)	1
9	03342	HP 102 70:30 ratio slide (95822301DL)	1
10	20149	Replacement plate gasket	1
11	20145	Replacement E-clip	2
12	20146	Replacement bushing for HP ratio rod	2
13	20142	Replacement diaphragm	2
14	98669	Replacement seal	1
15	03368	HP 102 large seal (99576410)	1

ILLUSTRATIONS

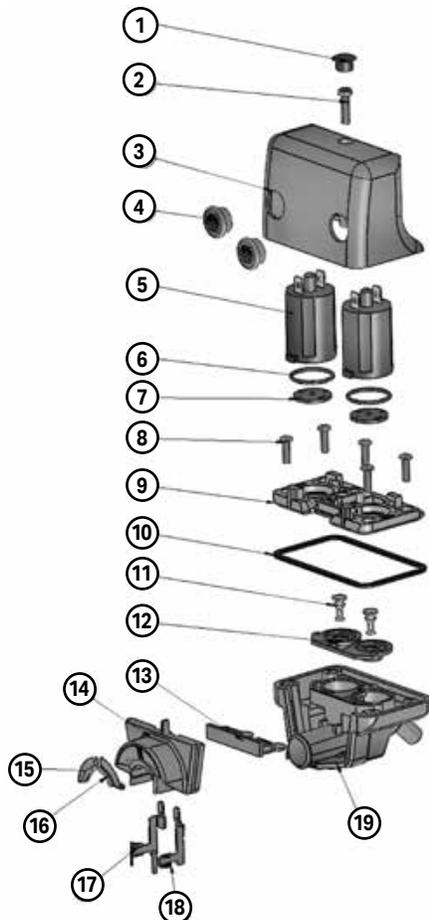


Delatron

Sold on pg. 18

- 43350** 100B replacement pulsator with 12V coils
- 43352** 100B replacement pulsator with 24V coils

ITEM	PART #	DESCRIPTION	QTY
1	98978	Top plug	1
2	98948	Screw for cover	1
3	98950	Cover kit (Includes: 1-4, 98954, 7, & 13)	1
4	98952	Fresh air nipple	1
5	98926	Wiring harness - 18"	1
	98957	Wiring harness - 5'	
6	98953	Fresh air screen	1
	98954	Blank plug (not shown)	
7	98949	Grommet for wiring harness	1
8	43315	12 volt coil	2
	98395	Red 24 volt coil (not shown)	
9	98974	Coil o-ring	2
10	43317	Magnetic plate	2
11	98971	Screw for white base plate	1
12	43305	White base plate	1
13	98951	Blue gasket	1
14	98941	White axle for diaphragm	2
15	98946	Top diaphragm for new style Delatron	1
16	98947	Bottom diaphragm for new style Delatron	1
17	43307	Rubber bumper for bayonet bracket	2
18	43313	Bayonet bracket	1
19	98669	Seal for SST2 valve, ECO Lite sensor, bayonet bracket	1
20	43308	Threaded base mount	1
21	43302	Blue base clip	1
22	98976	Base o-ring	1
23	43310	Bayonet base only	1
	43311	Base kit for bay Delatron pulsator	
	98960	Repair kit for new style Delatron (Includes: 9, 11, 14-16, & 22)	
	98968	2-piece rebuild kit for new style Delatron (Includes: 15-16)	



Delatron

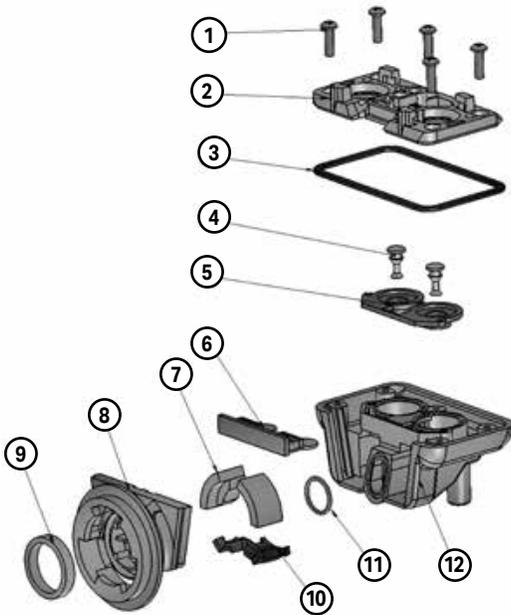
Sold on pg. 18

- 43361** 60/40 200SC replacement pulsator, 12VDC
- 43366** 65/35 200SC replacement pulsator, 12VDC
- 43371** 70/30 200SC replacement pulsator, 12VDC

ITEM	PART #	DESCRIPTION	QTY
1	98978	Top plug	1
2	98948	Screw for cover	1
3	43360	60/40 Circuit board with cover	1
	43365	65/35 Circuit board with cover	1
	43370	70/30 Circuit board with cover	1
	43359	Cover only for 200SC	
	43364	60/40 Circuit board & wiring harness only, less cover	
	43369	65/35 Circuit board & wiring harness only, less cover	
	43374	70/30 Circuit board & wiring harness only, less cover	
4	98953	Fresh air screen	2
5	43315	12 volt coil	2
6	98974	Coil O-ring	2
7	43317	Magnetic plate	2
8	98971	Screw for white base plate	5
9	43305	White base plate	1
10	98951	Blue gasket	1
11	98941	White axle for diaphragm	2
12	98946	Top diaphragm for new style Delatron	1
13	98947	Bottom diaphragm for new style Delatron	1
14	43324	Base slide for stallcock mount (Includes: 15-18)	1
15	43332	Left hand guard	1
16	43331	Right hand guard	1
17	43328	Left hand contact pin	1
18	43327	Right hand contact pin	1
19	43320	Stallcock base only	1
	43322	Base kit for 200SC Delatron pulsator	
	98960	Repair kit for new style Delatron (Includes: 6, 8, 11-13)	
	98968	2-piece rebuild kit for new style Delatron (Includes: 12-13)	

Sold on pg. 19

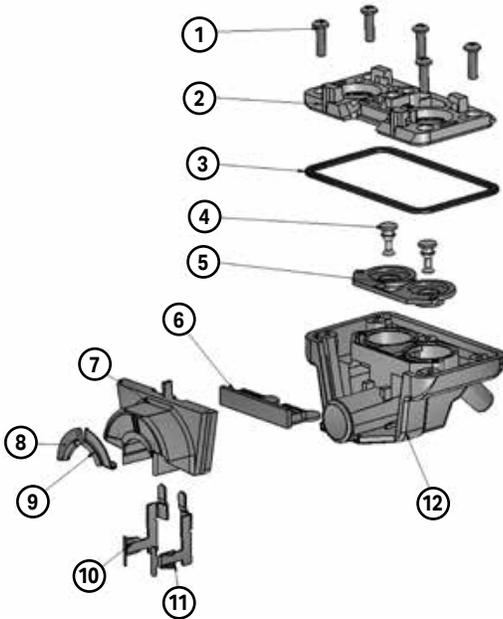
#43311 Replacement Base Kit for Bayonet Delatron Pulsator



ITEM	PART #	DESCRIPTION	QTY
1	98971	Screw for white base plate	5
2	43305	White base plate	1
3	98951	Blue gasket	1
4	98941	White axle for diaphragm	2
5	98946	Top diaphragm for new style Delatron	1
6	98947	Bottom diaphragm for new style Delatron	1
7	43307	Rubber bumper for bayonet bracket	2
8	43313	Bayonet bracket	1
9	98669	Seal for bayonet bracket	1
10	43302	Blue base clip	1
11	98976	Base o-ring	1
12	43310	Bayonet base only	1
	98968	2-piece rebuild kit for new style Delatron (Includes: 5-6)	
	98960	Replacement repair kit for new style Delatron	

Sold on pg. 19

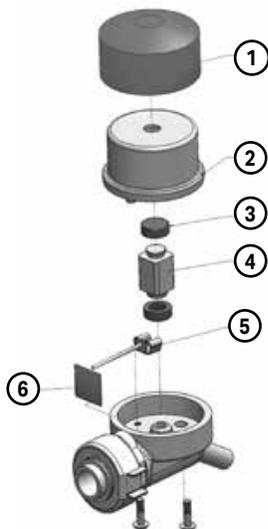
#43322 Replacement Base Kit for Stallcock Delatron Pulsator



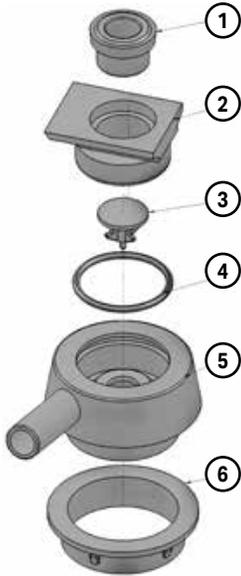
ITEM	PART #	DESCRIPTION	QTY
1	98971	Screw for white base plate	5
2	43305	White base plate	1
3	98951	Blue gasket	1
4	98941	White axle for diaphragm	2
5	98946	Top diaphragm for new style Delatron	1
6	98947	Bottom diaphragm for new style Delatron	1
7	43324	Base slide for stallcock mount (Includes: 8-11)	1
8	43332	Left hand guard	1
9	43331	Right hand guard	1
10	43328	Left hand contact pin	1
11	43327	Right hand contact pin	1
12	43320	Stallcock base only	1
	98968	2-piece rebuild kit for new style Delatron (Includes: 5-6)	
	98960	Replacement repair kit for new style Delatron	

Sold on pg. 17

Magnetic Pulsator



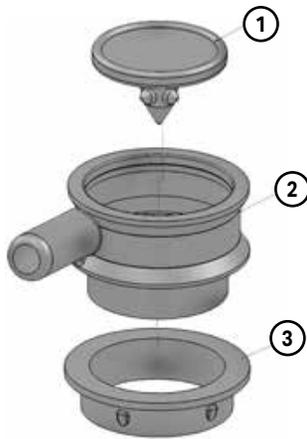
ITEM	PART #	DESCRIPTION	QTY
1	20137	Fly guard	1
2	20135	Magnet	1
3	20139	Piston cap	2
4	117670	Used piston with new caps for magnetic pulsator (Includes: 3)	1
5	20133	Spring	1
6	20134	Insulating plate	1



Sold on pg. 15

#23031 Complete Adaptor for D95 to DL Bucket Lid

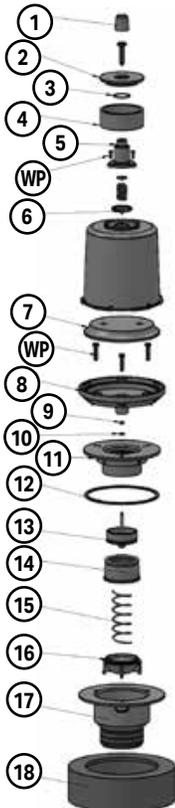
ITEM	PART #	DESCRIPTION	QTY
1	23029	Top rubber grommet	1
2	23040	Top plastic slide	1
3	23027	Check valve	1
4	23032	O-ring	1
5	23056	Adaptor only	1
6	23028	Chamber gasket	1



Sold on pg. 15

#23025 Complete Chamber for HP Lid

ITEM	PART #	DESCRIPTION	QTY
1	23023	Check valve	1
2	23030	Chamber only	1
3	23028	Chamber gasket	1



Sold on pg. 110

#17890 Mark II Regulator

ITEM	PART #	DESCRIPTION	QTY
1	17862	Replacement top rubber knob	1
2	17867	Filter cap	1
3	17863	Filter cap o-ring Sentinel Mark II	1
4	17852	Replacement top dome filter	1
5	17865	Adjuster housing	1
6	17869	Dome diaphragm	1
7	17856	Diaphragm with plate	1
8	17864	White flange assembly	1
9	17859	Rod seal	1
10	17868	Retaining washer	1
11	17854	Flow Ring	1
12	17858	Silicone outlet seal	1
13	17866	Poppet assembly	1
14	17853	Roll seal	1
15	17855	Closing spring for Mark II regulator	1
16	17857	Plug for Mark II regulator	1
17	17876	Outlet body	1
18	17849	Replacement foam filter	1
	17850	Sentinel Mark II foam filter	
	17870	4-piece repair kit for Mark II (Includes: 3,6,13, & 14)	
	17875	Worn parts kit for Mark II (Includes: 1, WP, 3, 5-8, 10, 11, 13, & 14)	

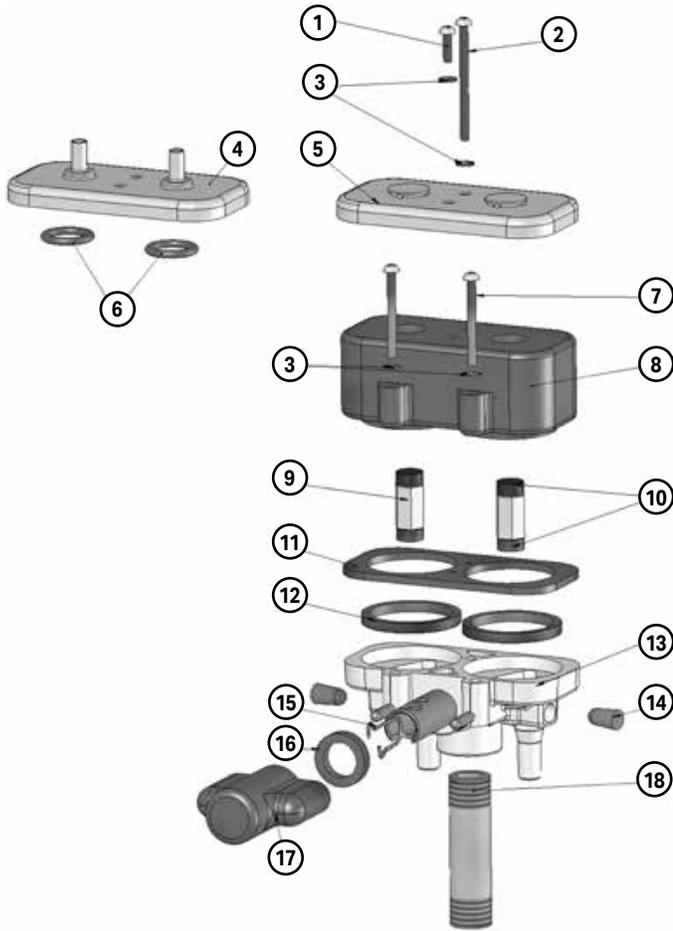
Sold on pg. 20

#43186

Replacement BM Style Pulsator,
WITH Fresh Air, Parlor Model

#43187

Replacement BM Style Pulsator,
WITHOUT Fresh Air, Parlor Model



ITEM	PART #	DESCRIPTION	QTY
1	43254	Short screw	1
2	43252	Long screw	1
3	43255	Star washer	4
4	43222	Cover with fresh air (Includes: 6)	1
5	43223	Standard cover	1
6	43226	O-ring	2
7	43253	Medium screw	2
8	43215	Black coil, HI FLO	1
9	43231	Piston with rubber parts (Includes: 10)	2
10	43241	Top and bottom cap for piston	4
11	43218	Foam filter	2
12	43232	Coil seal	1
13	43216	Base kit (Includes: 12-17)	1
14	43249	Side plug	2
15	43251	Spring	1
16	43233	Front seal	1
17	43248	Nipple protector	1
18	65563	1/2" x 2 1/2" galvanized pipe	1
	43240	Small repair kit (Includes: 9, 12, & 16)	
	43245	Large repair kit (Includes: 1-3, 7, 9, 11, 12, 14, 16, & 1-43329 dust cap not pictured)	

ILLUSTRATIONS

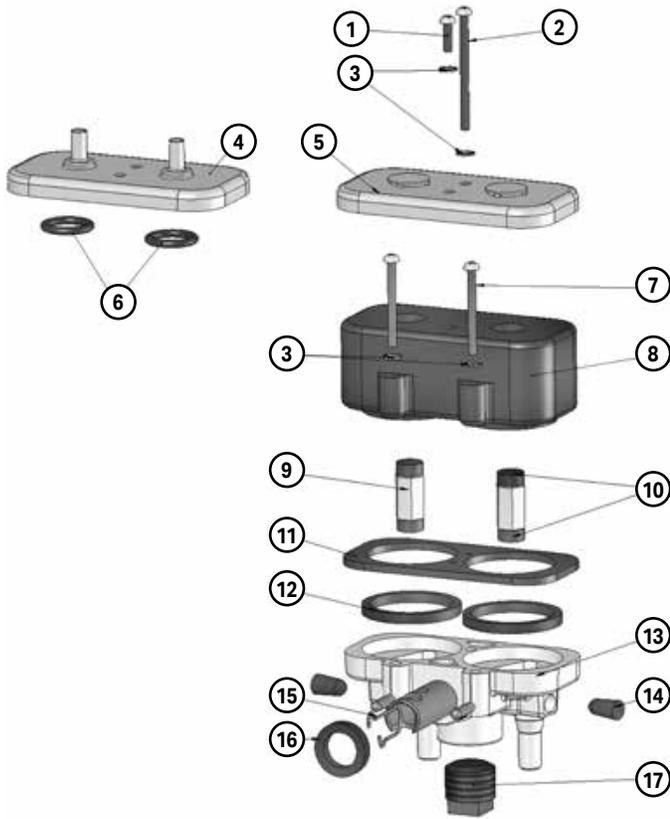
Sold on pg. 20

#43184

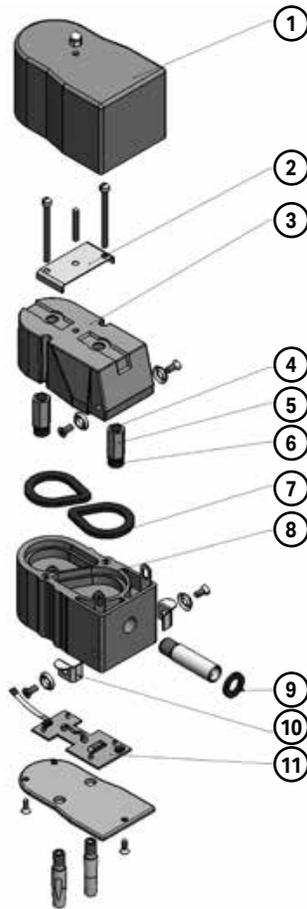
Replacement BM Style Pulsator,
WITH Fresh Air, Stanchion Barn Model

#43185

Replacement BM Style Pulsator,
WITHOUT Fresh Air, Stanchion Barn Model



ITEM	PART #	DESCRIPTION	QTY
1	43254	Short screw	1
2	43252	Long screw	1
3	43255	Star washer	4
4	43222	Cover with fresh air (Includes: 6)	1
5	43223	Standard cover	1
6	43226	O-ring	2
7	43253	Medium screw	2
8	43215	Black coil, HI FLO	1
9	43231	Piston with rubber parts (Includes: 10)	2
10	43241	Top and bottom cap for piston	4
11	43218	Foam filter	2
12	43232	Coil seal	1
13	43216	Base kit (Includes: 12-17)	1
14	43249	Side plug	2
15	43251	Spring	1
16	43233	Front seal	1
17	43219	Plug	1
	43240	Small repair kit (Includes: 9, 12, & 16)	
	43245	Large repair kit (Includes: 1-3, 7, 9, 11, 12, 14-16, & 1-43329 dust cap not pictured)	



Sold on pg. 21

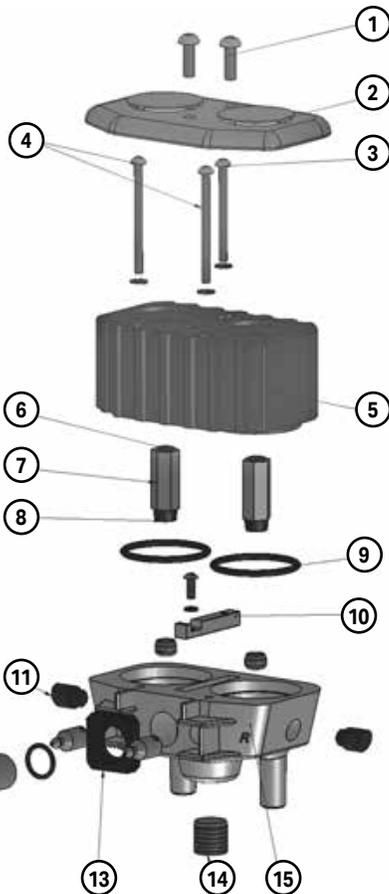
#43650

Replacement 60/40 Pulsator for Universal

#43652

Replacement 55/45 Pulsator for Universal

ITEM	PART #	DESCRIPTION	QTY
1	43683	Cover	1
2	43668	Top stainless plate for blue coil	1
3	43665	Coil	1
4	43241	Rubber cap	2
5	98935	Piston (Includes: 4-6)	2
6	98934	Top plug for UN style piston	2
7	98937	Teardrop gasket	2
8	43661	60/40 base only (Includes: 8-11)	1
	43665	55/45 base only (Includes: 8-11)	1
9	98936	Stallcock seal	1
10	43687	Right stallcock contact	1
11	43660	60/40 board	1
	43656	55/45 board	1
	98939	Repair kit for UN pulsator (Includes: 4-7, & 9)	1



Sold on pg. 22

#43165

Replacement Round Nipple Pulsator
for Surge, Standard Cover

ITEM	PART #	DESCRIPTION	QTY
1	43118	Cover screw	2
2	43137	Standard cover	1
3	43250	Medium screw	1
4	43252	Long screw	2
5	43115	Black coil	1
6	43108	Top plug	2
7	43104	Piston (Includes: 6-8)	2
8	43107	Bottom cap	2
9	43105	O-ring	2
10	NS43150-3	Connector bridge	1
11	43171	Rubber side plug	2
12	43151	Spring	1
13	43178	Round gasket	1
14	43173	Plug	1
15	43167	Round nipple base kit (Includes: 9-15)	1
	43105	Repair kit (Includes: 6-9)	

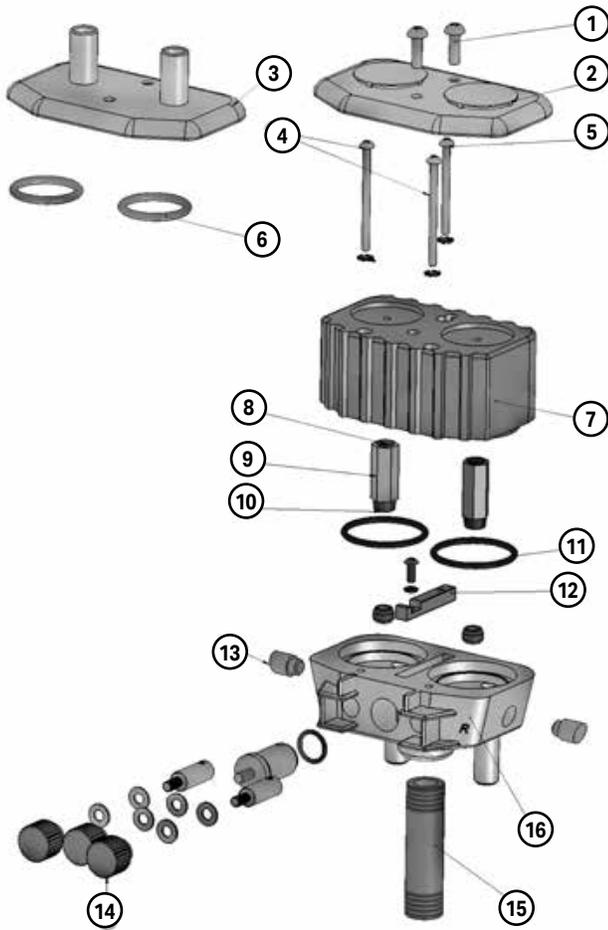
Sold on pg. 22

#43155

Replacement Parlor Style Pulsator for Surge Standard Cover

#43156

Replacement Parlor Style Pulsator for Surge Fresh Air Cover



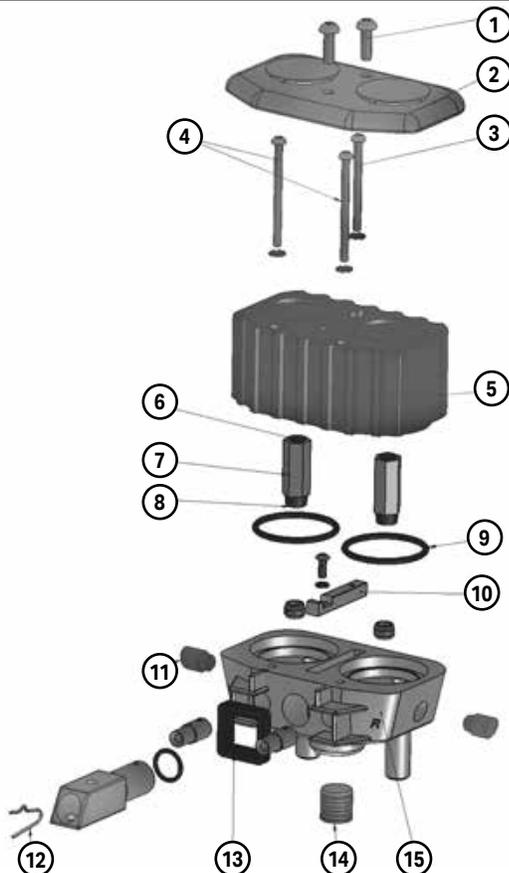
ITEM	PART #	DESCRIPTION	QTY
1	43118	Cover screw	2
2	43137	Standard cover	1
3	10600	Fresh air cover (Includes: 6)	1
4	43252	Long screw	2
5	43250	Medium screw	1
6	10601	O-ring for fresh air cover	2
7	43115	Black coil	1
8	43108	Top plug	2
9	43104	Piston (Includes: 8-10)	2
10	43107	Bottom cap	2
11	43102	O-ring	2
12	NS43150-3	Connector bridge	1
13	43171	Rubber side plug	2
14	43149	Knob	3
15	43181	3/8" x 2.5" galvanized nipple	1
16	43157	Parlor Style Base Kit (Includes: 11-16)	1
	43105	Repair Kit (Includes: 8-11)	

ILLUSTRATIONS

Sold on pg. 22

#43160

Replacement Square Nipple Pulsator for Surge, Standard Cover



ITEM	PART #	DESCRIPTION	QTY
1	43118	Cover screw	2
2	43137	Standard cover	1
3	43250	Medium screw	1
4	43252	Long screw	2
5	43115	Black coil	1
6	43108	Top plug	2
7	43104	Piston (Includes: 6-8)	2
8	43107	Bottom cap	2
9	43102	O-ring	2
10	NS43150-3	Connector bridge	1
11	43171	Rubber side plug	2
12	43151	Spring	1
13	43175	Square gasket	1
14	43173	Plug	1
15	43167	Square nipple base kit (Includes: 9-15)	1
	43105	Repair Kit (Includes: 6-9)	

#33075

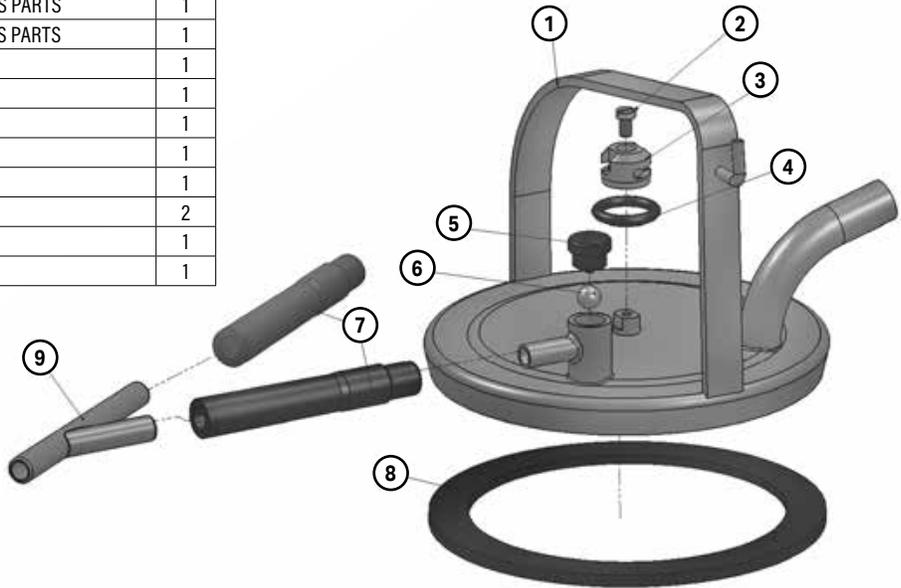
Replacement Bucket Lid for
WF Pulsator with Parts, 5/8" I.D.

Sold on pg. 88

#33080

Replacement Bucket Lid for
WF Pulsator with Parts, 3/4" I.D.

ITEM	PART #	DESCRIPTION	QTY
1	33076	Bucket lid for WF pulsator, 5/8" I.D. LESS PARTS	1
1	33081	Bucket lid for WF pulsator, 3/4" I.D. LESS PARTS	1
2	17528	Screw	1
3	17527	Lid base	1
4	17526	O-ring	1
5	17533	Plug	1
6	17531	Ball	1
7	25187	O4TS milk tubes	2
8	25193	Lid gasket	1
9	17519	Gray plastic Y	1



#20225

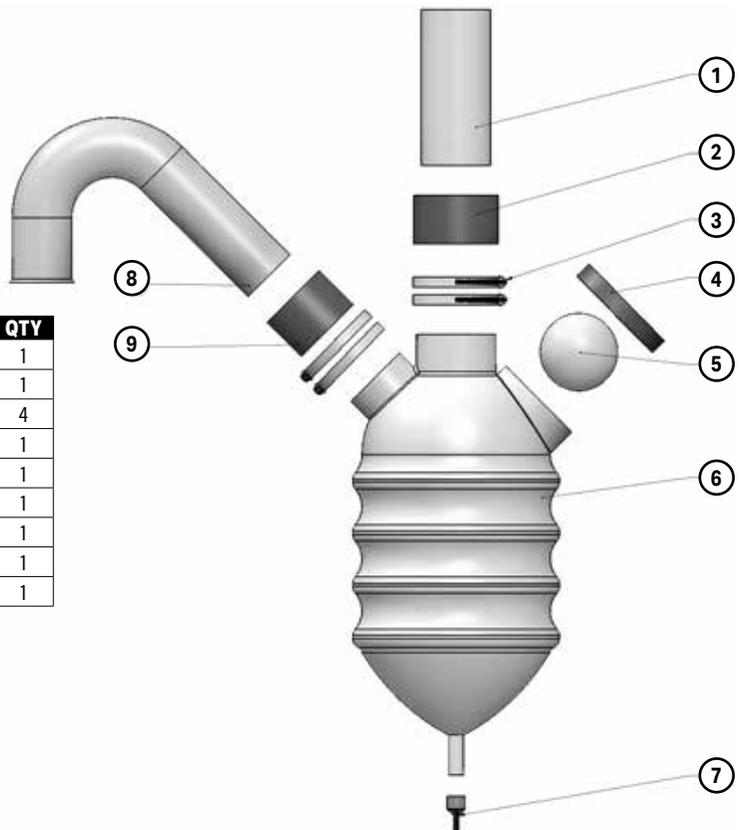
White Rippled Moisture Trap Assembly
WITH Bend

Sold on pg. 27

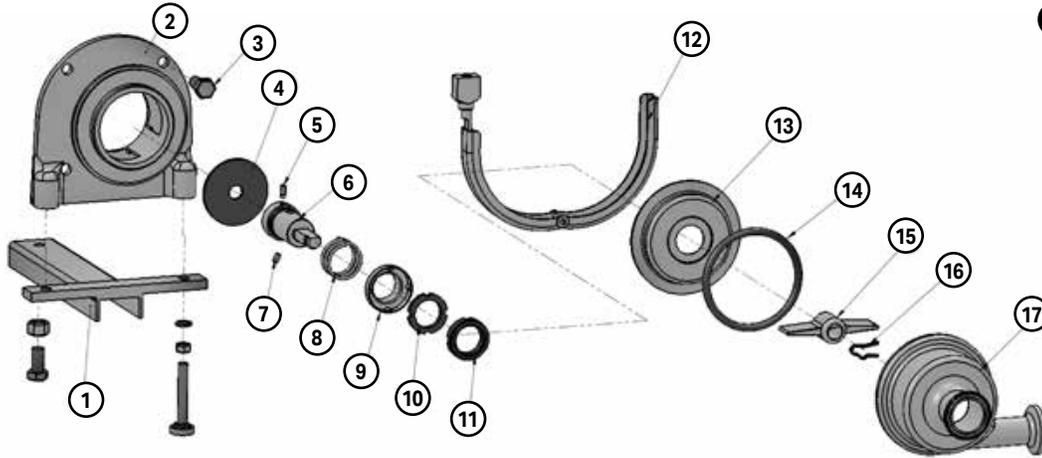
#58605

White Rippled Trap Body Assembly
WITHOUT Bend

ITEM	PART #	DESCRIPTION	QTY
1	20413	PVC sleeve	1
2	20415	4 1/2" trap body sleeve	1
3	20223	Clamp for white ripple trap (4 required)	4
4	20227	Rubber cover	1
5	23250	4" Plastic trap ball	1
6	20412	3" white rippled trap body ONLY	1
7	18037	Duckbill drain	1
8	20224	Stainless 3" trap bend ONLY	1
9	20417	3 3/4" trap body sleeve	1



Sold on pg. 36



10401 D-Style **floor mount** milk pump with 1 HP 1 phase Sterling Stainless motor

10402 D-Style **wall mount** milk pump with 1 HP 3 phase Sterling Stainless motor

10403 D-Style **floor mount** milk pump with 1 HP 3 phase Sterling Stainless motor

10404 D-Style **floor mount** milk pump with 1½ HP 1 phase Sterling Stainless motor

10405 D-Style **floor mount** milk pump with 1½ HP 3 phase Sterling Stainless motor

10411 Replacement D-Style **wall mount** 1 HP milk pump less motor

10413 Replacement D-Style **floor mount** 1 HP milk pump less motor

10432 D-Style **wall mount** milk pump with 1 HP 1 phase Magnetek motor

10434 D-Style **wall mount** milk pump with 1HP 1 phase Sterling Stainless motor

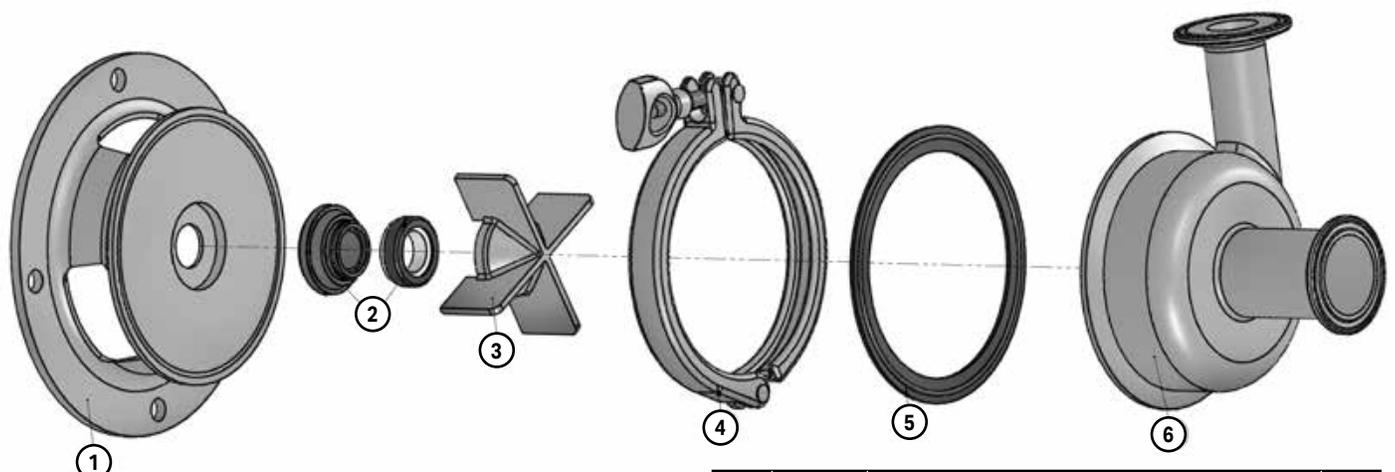
10437 D-Style **floor mount** milk pump with 1 HP 1 phase Magnetek motor

ITEM	PART #	DESCRIPTION	QTY
1	10433	T-bracket to convert to floor mount milk pump	1
2	10431	SS mount	1
3	10422	Housing mount bold	4
4	10424	Rubber shaft slinger	1
5	10398	Set screw for D-style milk pump shaft, for keyway	1
6	10213	Shaft (Includes: 5 & 7)	1
7	10399	Standard set screw	1
8	10429	Spring	1
9	10425	Stainless milk pump collar	1
10	10428	Rubber milk pump seal	1
11	10426	Carbon seal	1

ITEM	PART #	DESCRIPTION	QTY
12	10423	SS housing clamp	1
13	10210	Backplate	1
14	10427	4" O-ring for D-style milk pump	1
15	10391	SS impeller for 1 HP	1
	10393	Impeller for 1.5 HP	1
16	10394	SS shaft clip	1
17	10520	SS housing	1
17	10421	Larger housing for 1½ HP	1
18	10395	Kit for Kleen Flow D-style milk pump 3 piece (Includes: 10, 11, & 14)	1

ILLUSTRATIONS

Sold on pg. 37



10184 Replacement 4" milk pump assembly, less motor

10185 4" Milk pump with 1 HP Magnetek 1 phase

10186 4" Milk pump with 1 HP Sterling Stainless Steel motor, 1 phase

10187 4" Milk pump with 1 HP Sterling Stainless Steel motor, 3 phase

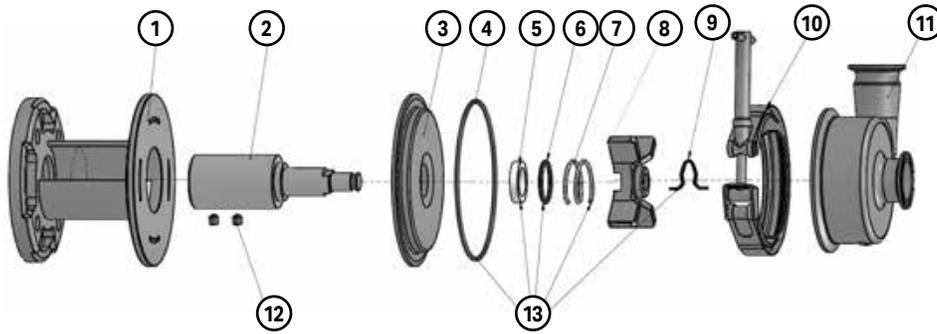
ITEM	PART #	DESCRIPTION	QTY
1	10460	Flange	1
2	10190	Milk pump seal kit	1
3	10510	Impeller	1
4	17232	4" Heavy-duty clamp	1
5	54325	4" Tri-clover pipeline gasket	1
6	10180	4" Head	1

Kleen Flo® T-Style #8

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- 59738** Kleen Flo T-Style #8 milk pump, 3" x 2.5", 7/8" impeller, 1 1/8" shaft, rated 10 HP, 1800 RPM, internal seal, 3" x 2.5" tri clamp
- 59739** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 7.5 HP, 1800 RPM, internal seal, threaded parts
- 59740** Kleen Flo T-Style #8 milk pump, 3" x 2", 6/8" impeller, 1 1/8" shaft, rated 5 HP, 1800 RPM, internal seal, threaded parts
- 59741** Kleen Flo T-Style #8 milk pump, 3" x 2", 6/8" impeller, 1 1/8" shaft, rated 5 HP, 1800 RPM, internal seal
- 59742** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 7.5 HP, 1800 RPM, internal seal
- 59743** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 10 HP, 1800 RPM, internal seal

- 59744** Kleen Flo T-Style #8 milk pump, 3" x 3", 7/8" impeller, 1 1/8" shaft, rated 10 HP, 1800 RPM, internal seal
- 59745** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 7.5 HP, 1800 RPM, internal seal, threaded parts
- 59746** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 10 HP, 1800 RPM, internal seal, threaded parts
- 59747** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 10 HP, 1800 RPM, internal seal, 3" thread x 2" tri-clamp
- 59748** Kleen Flo T-Style #8 milk pump, 3" x 2", 7/8" impeller, 1 1/8" shaft, rated 10HP, 1800 RPM, internal seal, 3" tri-clamp x 2" thread
- 59749** Kleen Flo T-Style #8 milk pump, 3" x 3", 7/8" impeller, 1 1/8" shaft, rated 10 HP, 1800 RPM, internal seal, 3" tri-clamp x 3" nut



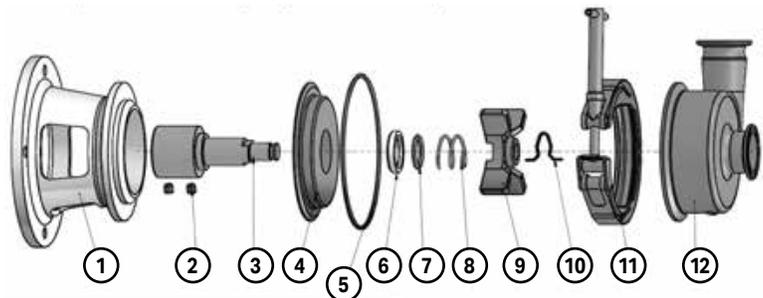
ITEM	PART #	DESCRIPTION	QTY
1	59801	Adapter for #8 milk pump, #9276-04 215T	1
2	59769	Milk pump shaft for #8, 1 1/8" for internal seal, 9376-67	1
	59766	Milk pump shaft for #8, 1 1/8" for internal seal, 9375-67	
3	59768	Backplate for #8, internal seal	1
4	59540	Large O-ring	1
5	59543	Teflon seal	1
6	59541	Small O-ring	1
7	59542	Spring	1
8	59671	7/8" impeller for #8 pump	1
	59667	6/8" impeller for #8 pump	
	59668	7/8" impeller for #8 pump	

ITEM	PART #	DESCRIPTION	QTY
	59669	7/8" impeller for #8 pump	
	59670	7/8" impeller for #8 pump	
9	59764	Impeller clip for milk shaft	1
10	59799	Housing clamp for #8 milk pump	1
11	59830	Housing for #8, 3" x 2" clamp	1
	59831	Housing for #8, 3" x 2" threaded	
	59832	Housing for #8, 3" x 3" clamp	
	59833	Housing for Thomsen #8, 3" x 3" threaded	
12	59792	Set screw for Thomsen pump shaft, standard	2
	59829	Set screw for Thomsen shaft with full dog, 5/16" x 1/2"	
13	59763	Internal seal kit, Thomsen #8, #9359-B0 (Includes: 4-7, & 9)	1

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#59716 Kleen Flo® T-Style #5 Internal Milk Pump

2" x 2", 4/8" Impeller, 1 1/8" Shaft, 182-TC, Rated 5 HP 3450 RPM



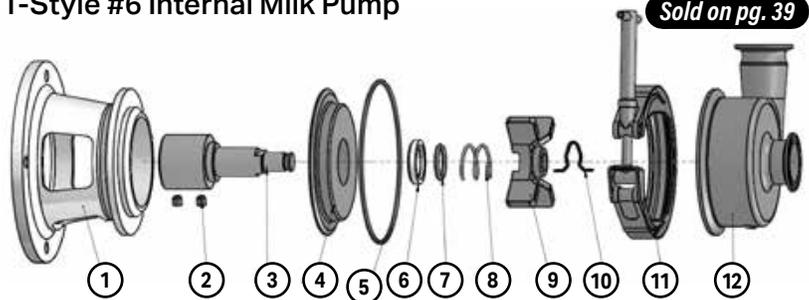
ITEM	PART #	DESCRIPTION	QTY
1	59774	Adapter for Kleen Flo® T-Style #5 milk pump, 56-C / 145-TC	1
	59777	Adapter for Kleen Flo® T-Style #5 milk pump, 182-T / 184T	
2	59792	Set screw for pump shaft, standard for Kleen Flo® T-Style milk pump	2
	59829	Set screw for shaft with full dog, 5/16" x 1/2" for Kleen Flo® T-Style milk pump	
3	59785	Pump shaft for Kleen Flo® T-Style #5 & 6, 1 1/8"	1
4	59828	Backplate for Kleen Flo® T-Style #5 internal seal	1
5	59795	#5 O-ring for Kleen Flo® T-Style milk pump	1
6	59762	Ceramic seal for internal seal kit for Kleen Flo® T-Style milk pump	1
7	59793	Small o-ring for Kleen Flo® T-Style milk pump	1
8	59761	Spring for internal seal kit for Kleen Flo® T-Style milk pump	1

ITEM	PART #	DESCRIPTION	QTY
9	59651	4/8" Impeller for Kleen Flo® T-Style #5 pump	1
	59652	4/8" Impeller for Kleen Flo® T-Style #5 pump	
	59650	4/8" Impeller for Kleen Flo® T-Style #5 pump	
	59654	4/8" Impeller for Kleen Flo® T-Style #5 pump	
10	59765	Impeller clip for #4, #5, and #6 pump shaft for Kleen Flo® T-Style milk pump	1
11	59628	Housing clamp for #5 milk pump	1
	59535	T-Bolt for clamps for Kleen Flo® T-Style milk pump	
	59536	T-Handle for clamps for Kleen Flo® T-Style milk pump	
12	59798	Housing for Kleen Flo® T-Style #5, 2" x 2"	1
	59800	Housing for Kleen Flo® T-Style #5, 2" x 1.5"	
	59760	Internal seal kit for #4, #5, and #6 pumps (Includes: 5-8, & 10) for Kleen Flo® T-Style milk pump	1

Kleen Flo® T-Style #6 Internal Milk Pump

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- 59720** Kleen Flo T-Style #6 milk pump, 2" x 2", 4⁷/₈" impeller, 7⁸/₁₆" shaft, 145-TC, rated 3 HP, 3450 RPM
- 59721** Kleen Flo T-Style #6 milk pump, 2" x 1.5", 4⁷/₈" impeller, 7⁸/₁₆" shaft, 145-TC, rated 3 HP, 3450 RPM
- 59722** Kleen Flo T-Style #6 milk pump, 2" x 2", 5⁷/₈" impeller, 1¹/₈" shaft, 182-TC, rated 3 HP, 1800 RPM
- 59726** Kleen Flo T-Style #6 milk pump, 2" x 2", 5³/₈" impeller, 1¹/₈" shaft, 182-TTC, rated 5 HP, 3450 RPM



ITEM	PART #	DESCRIPTION	QTY
1	59776	Adapter for # 6 milk pump, #9265-04 56-C / 145-TC	1
	59773	Adapter for #6 milk pump, #9265-04 182-T / 184-T	
2	59792	Set screw for pump shaft, standard for Kleen Flo® T-Style milk pump	2
	59829	Set screw for shaft with full dog, 5 ¹⁶ / ₁₆ x 1 ¹ / ₂ " for Kleen Flo® T-Style milk pump	
3	59785	Milk pump shaft for #6, 1 ¹ / ₈ " for Kleen Flo® T-Style milk pump	1
4	59797	Backplate for #6, internal seal	1
5	59796	#6 O-ring for Kleen Flo® T-Style milk pump	1
6	59762	Ceramic seal for internal seal kit for Kleen Flo® T-Style milk pump	1
7	59793	Small O-ring for Kleen Flo® T-Style milk pump	1
8	59761	Spring for internal seal kit for Kleen Flo® T-Style milk pump	1
9	59659	4 ³ / ₈ " impeller for #6 milk pump	1

ITEM	PART #	DESCRIPTION	QTY
	59660	4 ⁵ / ₈ " impeller for #6 milk pump	
	59655	4 ⁷ / ₈ " impeller for #6 milk pump	
	59656	5 ¹ / ₈ " impeller for #6 milk pump	
	59658	5 ³ / ₈ " impeller for #6 milk pump	
	59657	5 ⁷ / ₈ " impeller for #6 milk pump	
10	59765	Impeller clip for #4, #5, and #6 pump shaft for Kleen Flo® T-Style milk pump	1
11	59827	Housing clamp for #6 milk pump	1
	59535	T-Bolt for clamps for Kleen Flo® T-Style milk pump	
	59536	T-Handle for clamps for Kleen Flo® T-Style milk pump	
12	59824	Housing for #6, 2" x 2"	1
	59760	Internal seal kit for #4, #5, and #6 pumps (Includes: 5-8, & 10) for Kleen Flo® T-Style milk pump	1

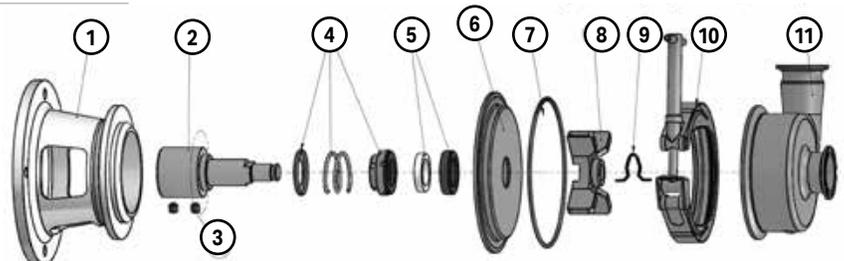
Kleen Flo® T-Style #4 & #5 External Milk Pump

Sold on pgs. 38-39

- 59700** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft
- 59701** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft, reduced discharge
- 59704** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft
- 59705** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft, reduced discharge
- 59708** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft
- 59710** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 7⁸/₁₆" shaft, reduced discharge
- 59707** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft, reduced discharge
- 59706** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 7⁸/₁₆" shaft, reduced discharge
- 59709** Kleen Flo® T-Style #4 milk pump, 2" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft
- 59711** Kleen Flo® T-Style #4 milk pump, 2" x 1.5", 3³/₈" impeller, 7⁸/₁₆" shaft
- 59730** Kleen Flo® T-Style #4 milk pump, 2" x 1.5", 3³/₈" impeller, 7⁸/₁₆" shaft, reduced discharge
- 59712** Kleen Flo® T-Style #4 milk pump, 2" x 2", 3³/₈" impeller, 7⁸/₁₆" shaft
- 59732** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft, reduced discharge (LH)
- 59733** Kleen Flo® T-Style #4 milk pump, 1.5" x 1.5", 3³/₈" impeller, 7⁸/₁₆" shaft, reduced discharge (LH)
- 59731** Kleen Flo® T-Style #4 milk pump, 2" x 1.5", 3³/₈" impeller, 7⁸/₁₆" shaft, reduced discharge (LH)
- 59734** Kleen Flo® T-Style #4 milk pump, 2" x 1.5", 3³/₈" impeller, 5⁸/₁₆" shaft, reduced discharge (LH)

Kleen Flo T-Style #5 External Milk Pump

- 59713** Kleen Flo® T-Style #5 milk pump, 2" x 1.5", 4¹/₈" impeller, 7⁸/₁₆" shaft
- 59714** Kleen Flo® T-Style #5 milk pump, 2" x 2", 4¹/₈" impeller, 7⁸/₁₆" shaft
- 59715** Kleen Flo® T-Style #5 milk pump, 2" x 1.5", 4³/₈" impeller, 7⁸/₁₆" shaft
- 59717** Kleen Flo® T-Style #5 milk pump, 2" x 2", 4⁷/₈" impeller, 7⁸/₁₆" shaft
- 59718** Kleen Flo® T-Style #5 milk pump, 2" x 2", 4⁵/₈" impeller, 7⁸/₁₆" shaft
- 59719** Kleen Flo® T-Style #5 milk pump, 2" x 1.5", 4¹/₈" impeller, 1¹/₈" shaft, 182-TC, rated 3 HP, 3450 RPM

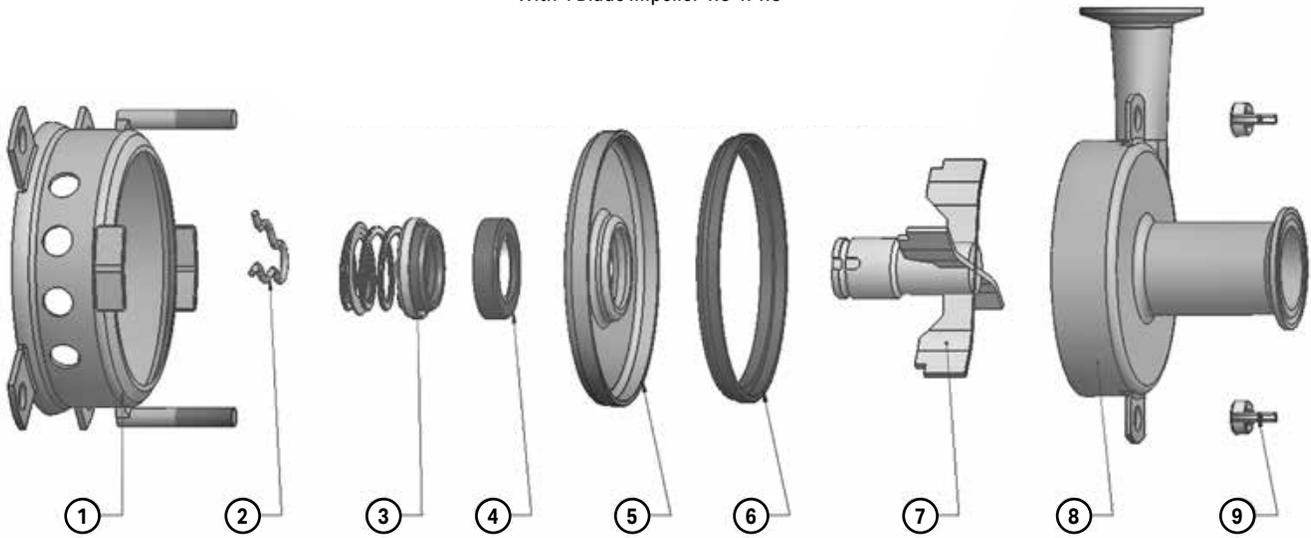


ITEM	PART #	DESCRIPTION	QTY
1	59775	Adapter #4 milk pump for Kleen Flo® T-Style	1
	59774	Adapter for #5 milk pump, #9225-04 56-C for Kleen Flo® T-Style	
	59777	Adapter for #5 milk pump, #9259-04 for Kleen Flo® T-Style	
2	59784	Milk pump shaft for #4, #5, #6, 5 ⁸ / ₁₆ " for Kleen Flo® T-Style	1
	59786	Milk pump shaft for #4, #5, #6, 7 ⁸ / ₁₆ " for Kleen Flo® T-Style	
	59785	Milk pump shaft for #5 & #6, 1 ¹ / ₈ " for Kleen Flo® T-Style	
3	59792	Set screw for pump shaft, standard for Kleen Flo® T-Style	2
	59829	Set screw for shaft with full dog, 5 ¹⁶ / ₁₆ x 1 ¹ / ₂ " for Kleen Flo® T-Style	
4	59771	Rotary seal for #4, #5, or #6 for Kleen Flo® T-Style	1
5	59770	Ceramic wear ring for #4, #5, or #6 for Kleen Flo® T-Style	1
6	59782	Backplate for #4 external seal for Kleen Flo® T-Style	1
	59787	Backplate for #5 external seal for Kleen Flo® T-Style	
7	59794	#4 O-ring for Kleen Flo® T-Style	1
	59795	#5 O-ring for Kleen Flo® T-Style	
	59796	#6 O-ring for Kleen Flo® T-Style	
8	59576	3 ³ / ₈ " Impeller for #4 milk pump for Kleen Flo® T-Style	1
	59577	3 ³ / ₈ " Impeller for #4 milk pump for Kleen Flo® T-Style	
	59578	3 ³ / ₈ " Impeller for #5 milk pump for Kleen Flo® T-Style	
	59651	4 ¹ / ₈ " Impeller for #5 milk pump for Kleen Flo® T-Style	
	59652	4 ³ / ₈ " Impeller for #5 milk pump for Kleen Flo® T-Style	
	59650	4 ⁵ / ₈ " Impeller for #5 milk pump for Kleen Flo® T-Style	

ITEM	PART #	DESCRIPTION	QTY
	59654	4 ⁷ / ₈ " Impeller for #5 milk pump for Kleen Flo® T-Style	
9	59765	Impeller clip for #4, #5, & #6 pump shaft for Kleen Flo® T-Style	2
10	59789	Housing clamp for #4 milk pump for Kleen Flo® T-Style	1
	59628	Housing clamp for #5 milk pump for Kleen Flo® T-Style	
	59535	T-Bolt for Kleen Flo® T-Style	
	59536	T-Handle for Kleen Flo® T-Style	
11	59788	Housing for #4, 1.5" x 1.5" for Kleen Flo® T-Style	1
	59790	Housing for #4, Left Hand, Reduced discharge, 1.5" x 1.5" for Kleen Flo® T-Style	
	59825	Housing for #4, Reduced discharge, 1.5" x 1.5" for Kleen Flo® T-Style	
	59826	Housing for #4, 2" x 1.5" for Kleen Flo® T-Style	
	59822	Housing for #4, Reduced discharge, 2" x 1.5" for Kleen Flo® T-Style	
	59823	Housing for #4, Left Hand, Reduced discharge, 2" x 1.5" for Kleen Flo® T-Style	
	59780	Housing for #4, 2" x 2" for Kleen Flo® T-Style	
	59798	Housing for #5, 2" x 2" for Kleen Flo® T-Style	
	59800	Housing for #5, 2" x 1.5" for Kleen Flo® T-Style	
	59750	External seal kit for #4, #5, and #6 pumps for Kleen Flo® T-Style (Includes: 4, 5, 7, and 9)	
	59756	External seal for #4, with S/S wear ring for Kleen Flo® T-Style #9222-V6	

#59910 Ben Anderson Milk Pump With 4 Blade Impeller 1.5" x 1.5"

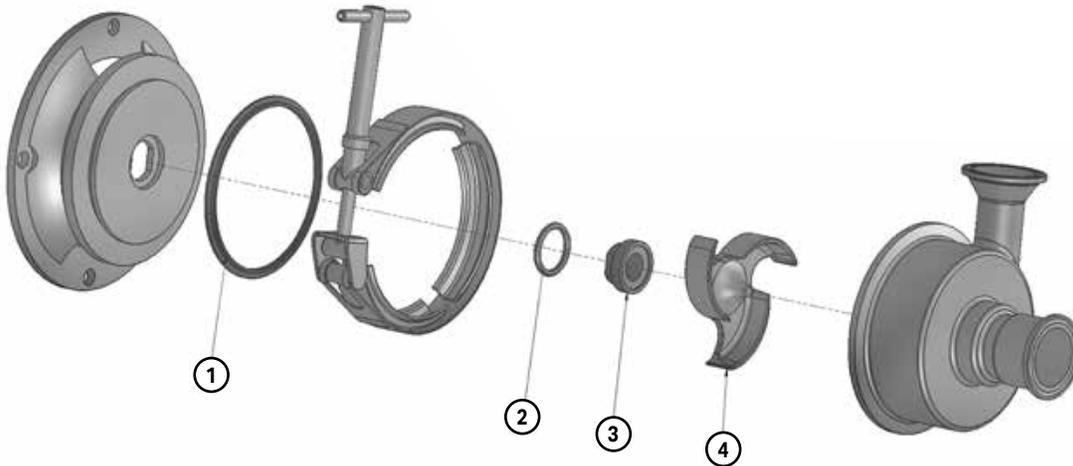
Sold on pg. 37



ITEM	PART #	DESCRIPTION	QTY
1	59911	Adaptor	1
2	14758	Cotter pin clip for 1 HP	1
3	14770	Rotating head assembly	1
4	14757	Ceramic and rubber seal	1
5	59913	Backplate	1

ITEM	PART #	DESCRIPTION	QTY
6	14766	New style body gasket	1
7	59912	Impeller	1
8	59915	Housing	1
9	59917	Wingnut	2
10	14768	Repair kit for new style Anderson pump (Includes: 3, 4, & 6)	

Sta-Rite Milk Pump



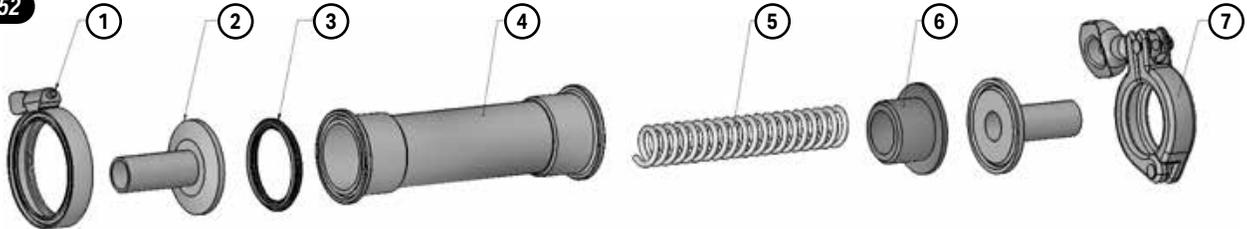
ITEM	PART #	DESCRIPTION	QTY
1	59888	Housing gasket	1
2	59886	Small O-ring	1
3	59887	Carbon seal	1
4	59892	Replacement stainless 3 blade impeller	1
	59890	Replacement milk pump seal kit for Sta-Rite (Includes: 1-3)	

- 38590** 6" inline filter assembly, 5/8" I.D. ports
- 38591** 6" inline filter assembly, 3/4" I.D. ports
- 38600** 12" inline filter assembly, 5/8" I.D. ports
- 38601** 12" inline filter assembly, 3/4" I.D. ports
- 38610** 24" inline filter assembly, 5/8" I.D. ports
- 38612** 24" inline filter assembly, 3/4" I.D. ports

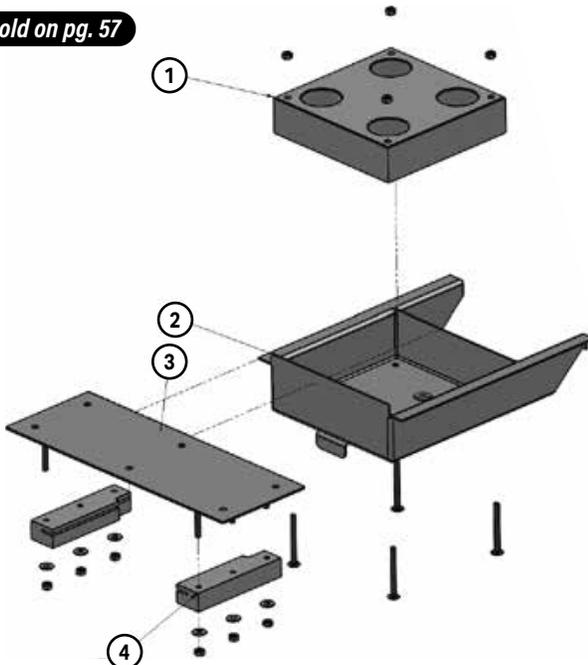
ITEM	PART #	DESCRIPTION	QTY
1	54320	1 1/2" pipeline clamp	1
2	61056	1 1/2" end cap with 5/8" nipple (3/4" O.D.)	2
	61057	1 1/2" end cap with 3/4" nipple (7/8" O.D.)	
3	54326	1 1/2" tri clover pipeline gasket	1
4	NS38590	6" inline filter body only	1

ITEM	PART #	DESCRIPTION	QTY
	NS38600	12" inline filter body only	
	NS38610	24" inline filter body only	
5	38594	6" spring	1
	38604	12" spring	
	38616	24" spring	
6	19547	1 Rubber filter grommet	1
7	17130	1 1/2" Heavy-duty clamp	1

Sold on pg. 52



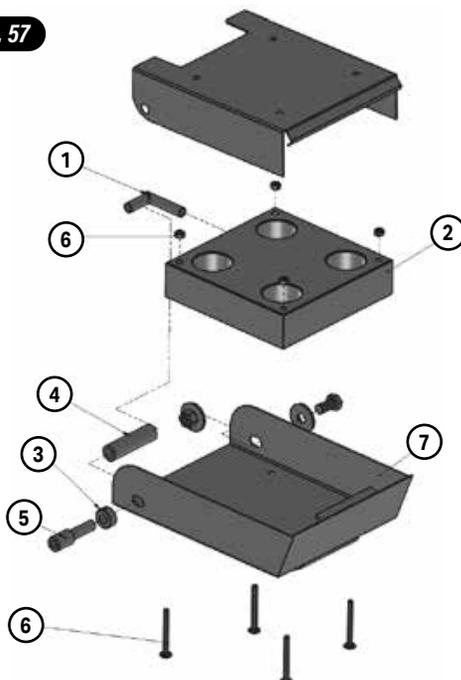
Sold on pg. 57



- 10271-49.5mm** 49.5mm under curb mount sliding CIP rack
- 10271-50.5mm** 50.5mm under curb mount sliding CIP rack
- 10271-52mm** 52mm under curb mount sliding CIP rack
- 10271-55mm** 55mm under curb mount sliding CIP rack
- 10271-56.5mm** 56.5mm under curb mount sliding CIP rack
- 10271-57mm** 57mm under curb mount sliding CIP rack
- 10271-59mm** 59mm under curb mount sliding CIP rack

ITEM	PART #	DESCRIPTION	QTY
1	10280-49.5mm	49.5mm delrin block	1
	10280-50.5mm	50.5mm delrin block	
	10280-52mm	52mm delrin block	
	10280-55mm	55mm delrin block	
	10280-56.5mm	56.5mm delrin block	
	10280-57mm	57mm delrin block	
	10280-59mm	59mm delrin block	
2	10288	Stainless tray ONLY	1
3	10285	Stainless mounting plate	1
4	10286	Set of 2 mounting slides	1

Sold on pg. 57



- 10291-49.5mm** 49.5mm Fold down CIP tray
- 10291-50.5mm** 50.5mm Fold down CIP tray
- 10291-52mm** 52mm Fold down CIP tray
- 10291-55mm** 55mm Fold down CIP tray
- 10291-56.5mm** 56.5mm Fold down CIP tray
- 10291-57mm** 57mm Fold down CIP tray
- 10291-59mm** 59mm Fold down CIP tray

ITEM	PART #	DESCRIPTION	QTY
1	10296	Stainless elbow	1
2	10301-49.5mm	49.5mm delrin block	1
	10301-50.5mm	50.5mm delrin block	
	10301-52mm	52mm delrin block	
	10301-55mm	55mm delrin block	
	10301-56.5mm	56.5mm delrin block	
	10301-57mm	57mm delrin block	
	10301-59mm	57mm delrin block	
3	10299	1/2" stainless collar w/ setscrew for fold down CIP, also works for dumping station	
4	25232	1/2" CLEAR tubing, Glitex	1
5	10297	Hose reducer	1
6	10298	Set of 4 stainless bolts & nuts for fold down CIP	1
7	10290	Stainless Cabinet ONLY	1

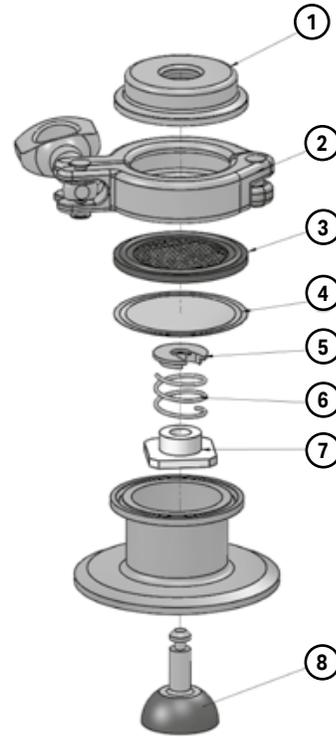
Sold on pg. 59

#10668
1½" Air Blow Valve
 for 1½" Y Check, ¾" NPT

#10670
2" Air Blow Valve
 for 1½" Y Check, ¾" NPT

#10672
2½" Air Blow Valve
 for 2" Y Check, ¾" NPT

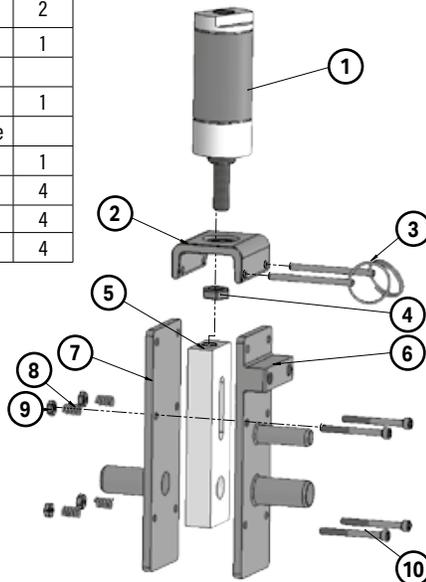
ITEM	PART #	DESCRIPTION	QTY
1	10674	Stainless top	1
2	17130	1½" Heavy-duty clamp	1
3	10685	Stainless screen	1
4	10687	Filter (Pack of 10)	1
5	10678	Stainless clip for air blow valve sprint	1
6	10677	Spring	1
7	10683	Plastic holder for air blow valve shutoff	1
8	10681	Rubber shutoff with stem	



Sold on pg. 59

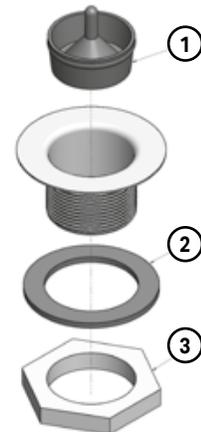
#96550
Replacement Backflush Valve

ITEM	PART #	DESCRIPTION	QTY
1	96548	Cylinder	1
2	96545	Threaded mounting plate	1
3	96538	Pin	2
4	NS2951	7/16" x 20" stainless hex jam nut	1
5	96531	Teflon block	
6	96543	Left hand plate with STRAIGHT tube	1
	96543-1	Left hand plate with THREADED tube	
7	96541	Right hand plate	1
8	96536	Spring	4
9	NS5471	10-32 Nylok Nut S/S	4
10	NS5595	S/S SHC 10/32-13/4	4



Sold on pg. 62

#21388
Heavy-duty Drain Assembly
 for Wash Vat

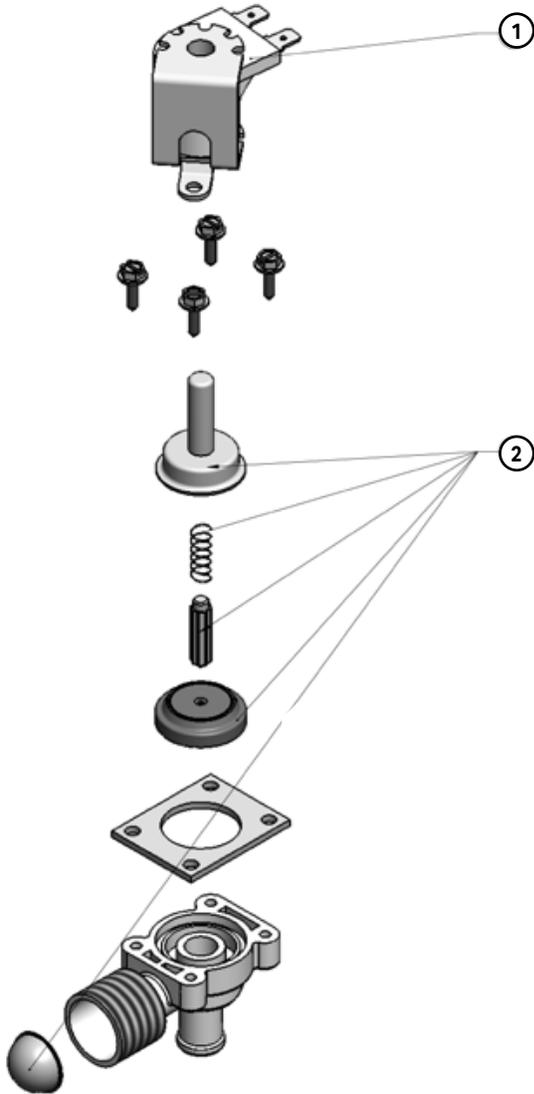


ITEM	PART #	DESCRIPTION	QTY
1	21387	Rubber stopper	1
2	21384	Rubber washer	1
3	21389	Plastic nut	1

Sold on pg. 66

#22031
Single Water Valve
120 Volt

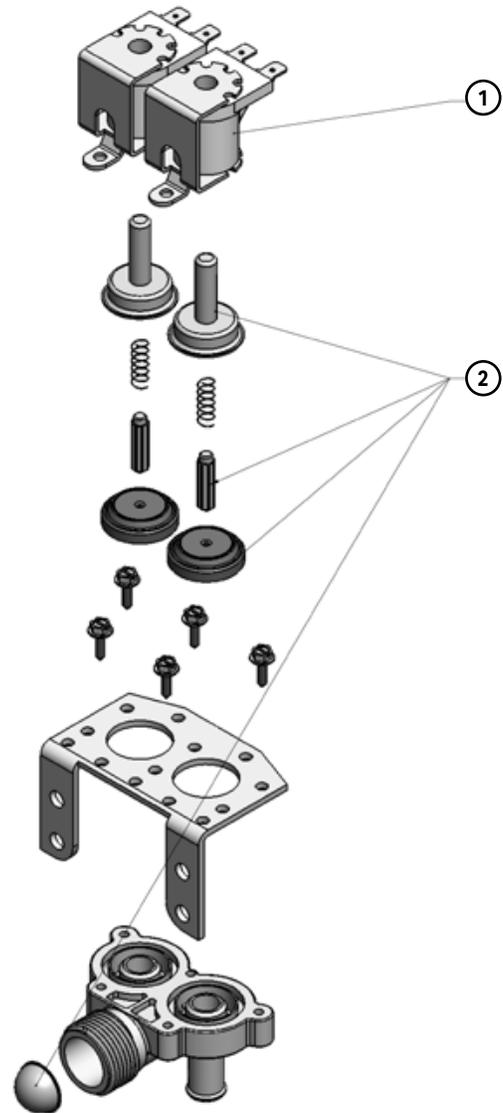
#22030
Single Water Valve
240 Volt



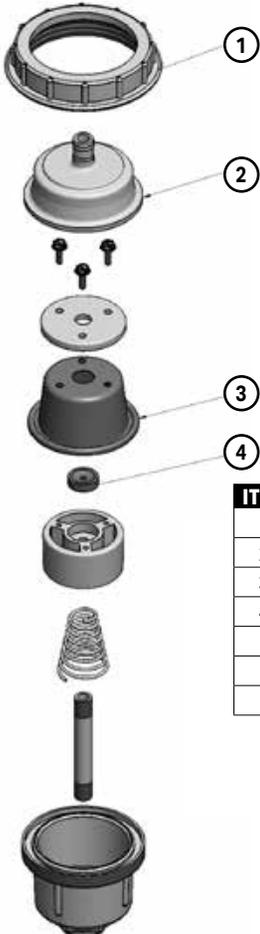
ITEM	PART #	DESCRIPTION	QTY
1	20989	240 volt coil	1
	20990	120 volt coil	
2	22004	Repair kit	1

#22029
Blue Water Valve
120 Volt - Dual Coils
5.8 to 7.8 GPM 40 PSI

#22028
Blue Water Valve
240 Volt - Dual Coils
5.8 to 7.8 GPM 40 PSI



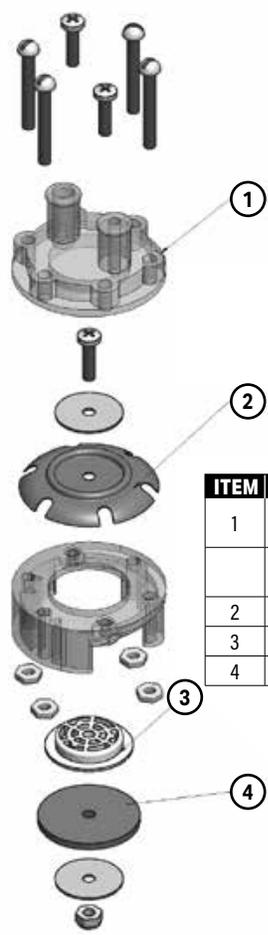
ITEM	PART #	DESCRIPTION	QTY
1	20989	240 volt coil for blue water valve	2
	20990	120 volt coil for blue water valve	
2	22004	Repair kit for blue water valve	1



Sold on pg. 64

#86020
Auto Drain Valve with
1.6" Orifice for Floor Pump
.75 - 700 - 1500G, for Mueller

ITEM	PART #	DESCRIPTION	QTY
1	86050	Nut	1
2	86051	Bonnet	1
3	86021	Drain valve diaphragm	1
4	86054	Flow washer 1.6 GPM	1
	86053	Flow washer 1.2 GPM	
	86055	Flow washer 2.0 GPM	
	86056	Flow washer 3.0 GPM	



Sold on pg. 65

#86038
Complete Drain
Valve Assembly with $\frac{3}{16}$ "
Hole for BM
#86039
Complete Drain
Valve Assembly with $1\frac{1}{32}$ "
Hole for BM

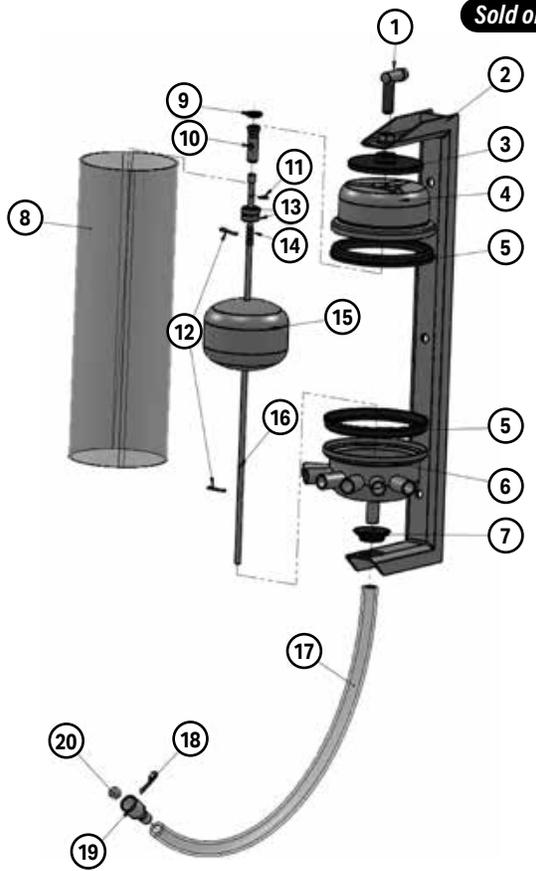
ITEM	PART #	DESCRIPTION	QTY
1	86028	Drain valve body bottom with $\frac{3}{16}$ " hole	1
	86030	Drain valve body bottom with $1\frac{1}{32}$ " hole	
2	86026	Drain valve diaphragm	1
3	86034	Drain valve plunger - plastic	1
4	86032	Drain valve plunger - rubber	1

#56200
Replacement 10" Washer Assembly - 6 Unit

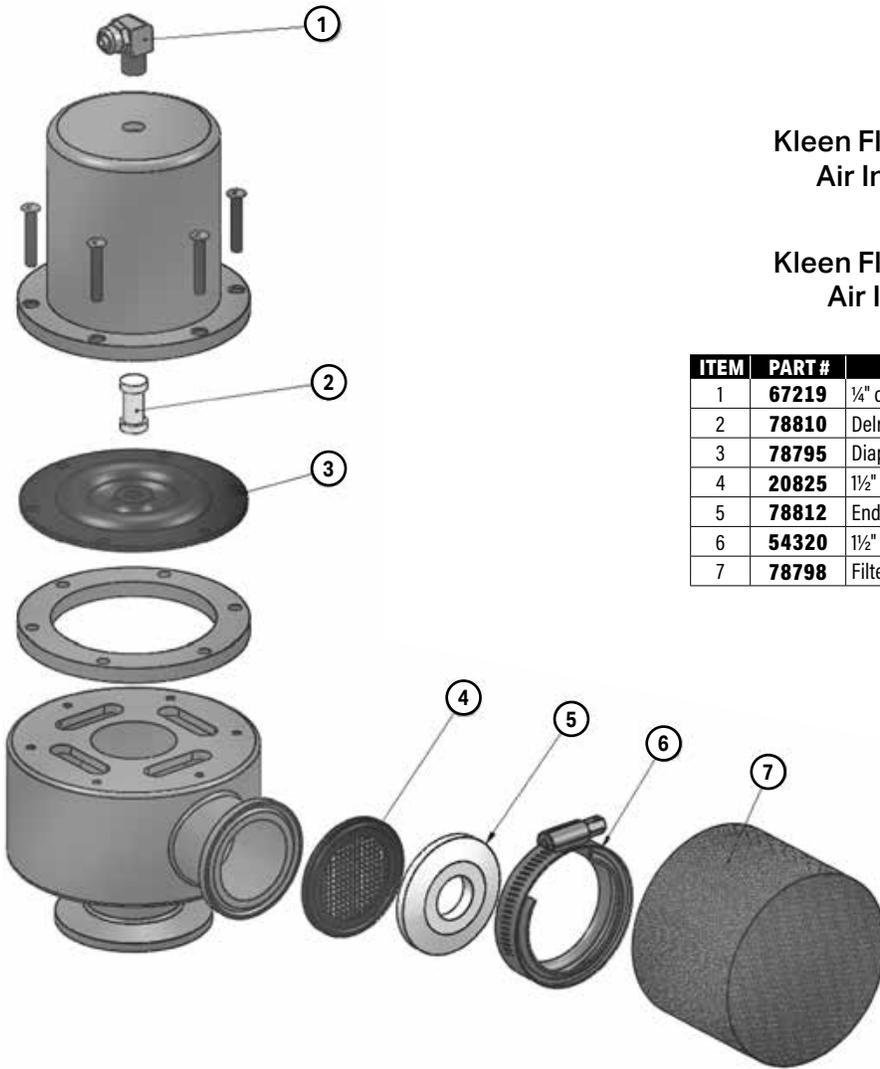
#56201
Replacement 15" Washer Assembly - 6 Unit

ITEM	PART #	DESCRIPTION	QTY
1	38215	Blue elbow, $\frac{3}{8}$ " ID, $\frac{1}{2}$ " thread	1
2	56202	Stainless wall bracket for 10" washer	1
2	56203	Stainless wall bracket for 15" washer	1
3	56245	Valve guide block without bushing	1
4	56252	New Style stainless dome with $2\frac{3}{32}$ " hole	1
5	56213	Gasket for clear sight tube	2
6	56216	Bottom dome with 6 - $\frac{5}{16}$ " parts	1
	56235	Bottom dome with 6 - $\frac{3}{4}$ " parts	1
7	56217	Bracket gasket	1
8	56214	10" clear sight tube	1
	56215	15" clear sight tube	1
9	38211	Rubber seal	1
10	56256	New Style valve head	1
11	56259	Stainless e-clip	1
12	56210	Clip pin	2
13	56209	Weight	2
14	56211	Rod spring	1
15	56212	Stainless steel float	1
16	56261	New Style 15" rod ONLY	1
16	56263	New Style 10" rod ONLY	1
17	56218	Drain hose	1
18	56221	Clip pin for drain assembly	1
19	56219	Check valve assembly (Includes: 19, 20, & 21)	1
20	56220	Ball	1

Sold on pg. 70



Sold on pg. 61



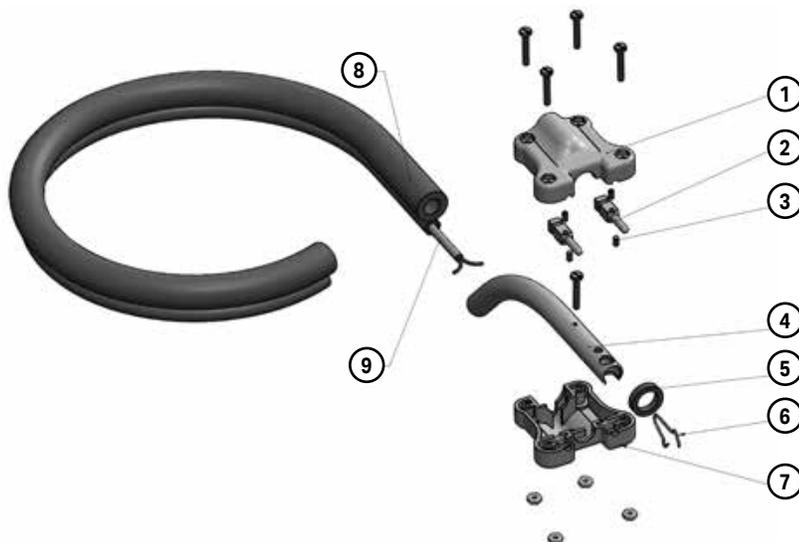
#78782
Kleen Flo® E-Zee 100 Remote
Air Injector Valve – 1.5"

#78785
Kleen Flo® E-Zee 100 Remote
Air Injector Valve – 2"

ITEM	PART #	DESCRIPTION	QTY
1	67219	¼" compression fitting, elbow, ½" NPT	1
2	78810	Delrin spool	1
3	78795	Diaphragm (Includes: 2)	1
4	20825	1½" stainless woven screen	1
5	78812	End cap with hole	2
6	54320	1½" pipeline clamp	1
7	78798	Filter	1

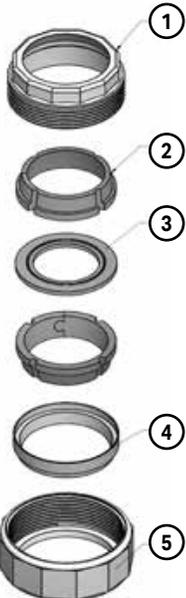
ILLUSTRATIONS

Sold on pg. 119



#99434
Replacement Power Hose
Assembly for Companion

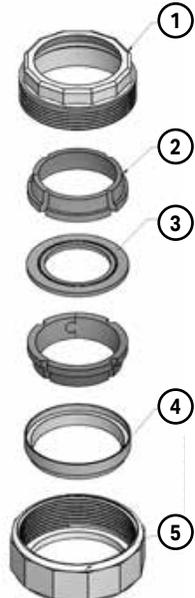
ITEM	PART #	DESCRIPTION	QTY
1	99443	Top shell	1
2	99440	Contact probe	2
3	99441	Set screw	4
4	99449	Stallcock tube	1
5	43233	Front seal	1
6	43251	Spring	1
7	99442	Bottom shell	1
8	99436	Vacuum/electric hose for Companion 4' pc	1
9	98700	2-strand 18 ga. power wire	6'



Sold on pg. 73

#54100
Plastic Coupling Assembly
for 1.5" Glass Fitting

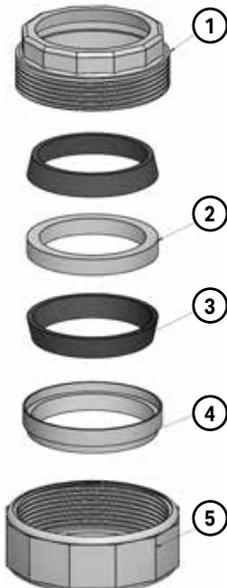
ITEM	PART #	DESCRIPTION	QTY
1	54112	Male fitting	1
2	54113	Rubber grommet	2
3	54318	1.5" gasket for glass line	1
4	54114	Grommet holder	1
5	54111	Female fitting	1



Sold on pg. 73

#54102
Plastic Coupling Assembly
for 2" Glass Fitting
White Coupler (New Style)

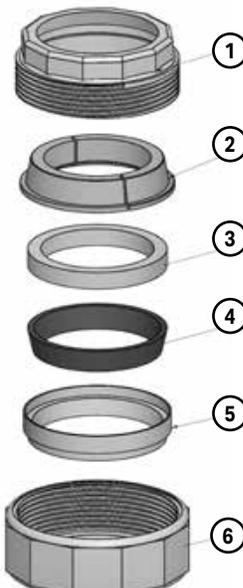
ITEM	PART #	DESCRIPTION	QTY
1	54122	Male fitting	1
2	54123	Rubber grommet	2
3	54319	2" gasket for glass line	1
4	54124	Grommet holder	1
5	54121	Female fitting	1



Sold on pg. 73

#54104
Plastic Coupling for
3" Glass to Glass Fitting

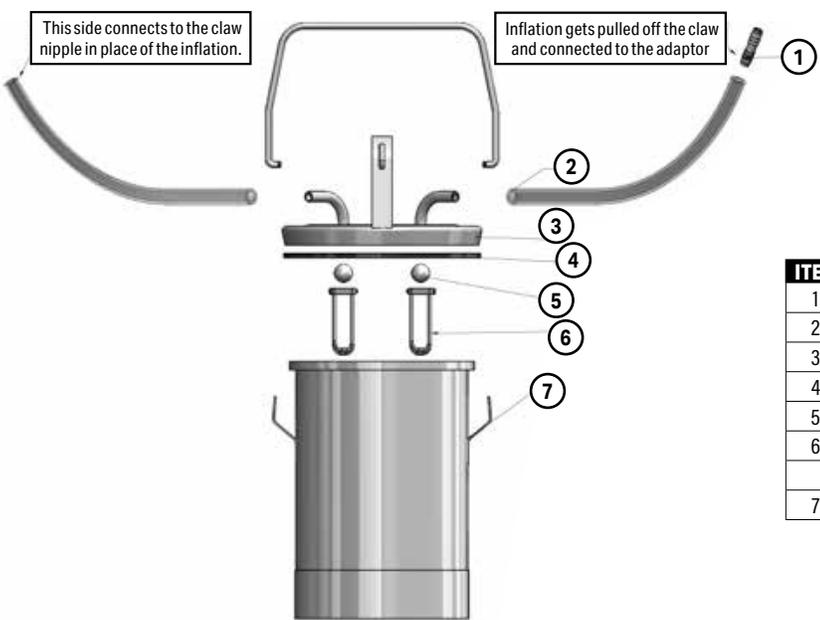
ITEM	PART #	DESCRIPTION	QTY
1	54132	Male fitting for 3" coupling	1
2	54135	White rubber seal for 3" coupling	1
3	54133	Rubber grommet for 3" coupling	2
4	54134	Grommet holder for 3" coupling	1
5	54131	Female fitting for 3" coupling	1



Sold on pg. 73

#54106
Plastic Coupling for
3" Glass to Stainless Fitting

ITEM	PART #	DESCRIPTION	QTY
1	54132	Male fitting for 3" coupling	1
2	54136	Glass to S/S bushing for 3" coupling	1
3	54135	White rubber seal for 3" coupling	2
4	54133	Rubber grommet for 3" coupling	1
5	54134	Grommet holder for 3" coupling	1
6	54131	Female fitting for 3" coupling	1



Sold on pg. 82

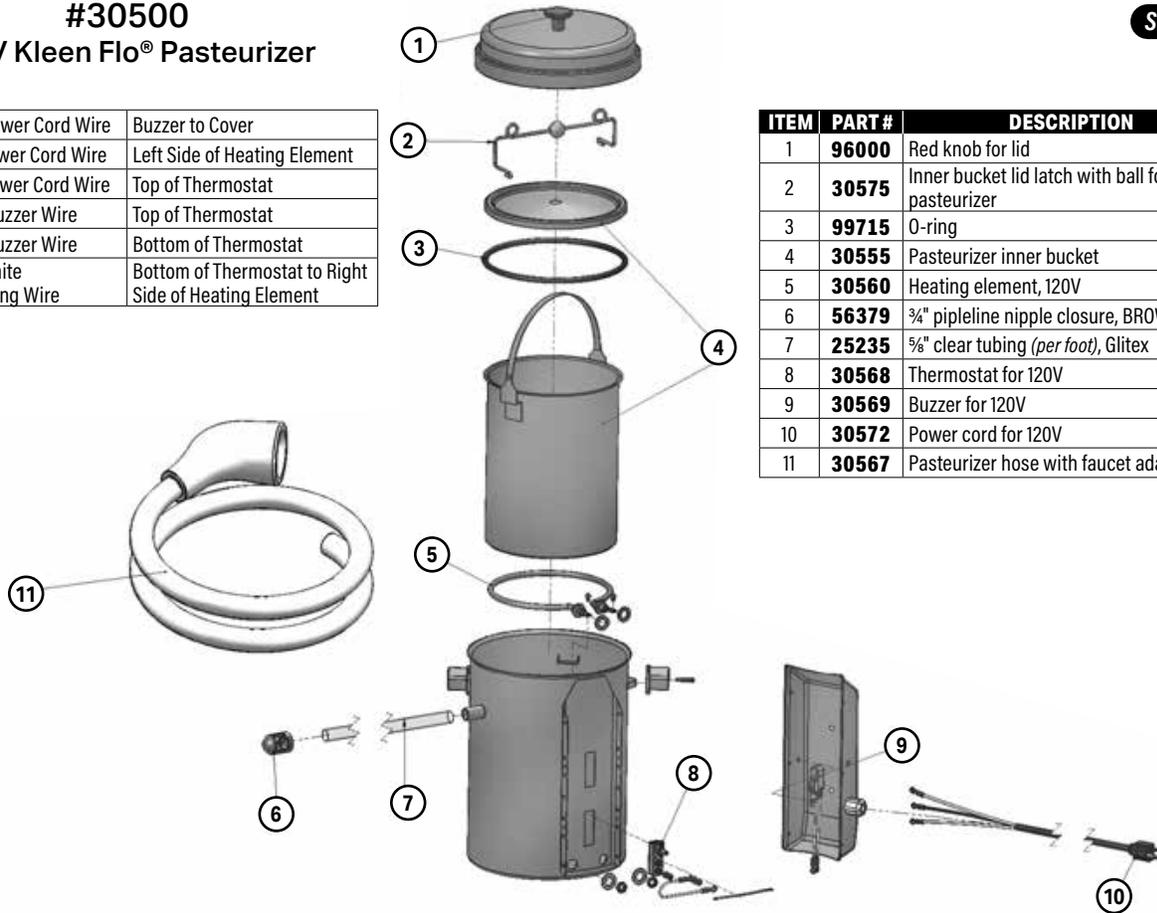
#30270
Stainless 7.4 Liter Quarter Milker

ITEM	PART #	DESCRIPTION	QTY
1	30266	Plastic 3/8" hose connector	1
2	25229	3/8" single clear tubing (Each piece is 2")	2
3	30271	Lid	1
4	25195	Gasket	1
5	35212	3/4" ball only for trap lid	2
6	34013	Cage for stainless trap lid, smaller version	2
	34016	Checkball with cage	2
7	30269	Bucket ONLY	1

Sold on pg. 80

#30500 120V Kleen Flo® Pasteurizer

Green Power Cord Wire	Buzzer to Cover
Black Power Cord Wire	Left Side of Heating Element
White Power Cord Wire	Top of Thermostat
Yellow Buzzer Wire	Top of Thermostat
Yellow Buzzer Wire	Bottom of Thermostat
Short White Connecting Wire	Bottom of Thermostat to Right Side of Heating Element

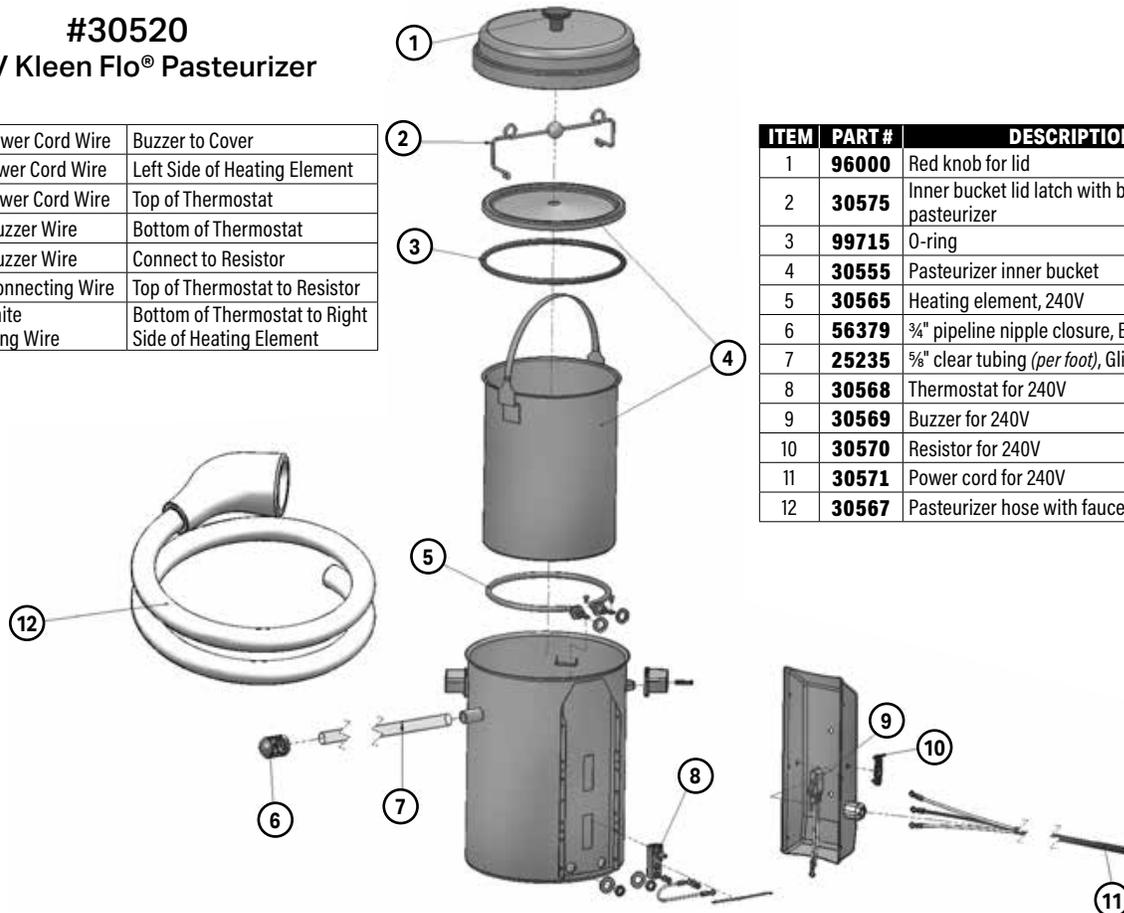


ITEM	PART #	DESCRIPTION	QTY
1	96000	Red knob for lid	1
2	30575	Inner bucket lid latch with ball for pasteurizer	1
3	99715	O-ring	1
4	30555	Pasteurizer inner bucket	1
5	30560	Heating element, 120V	1
6	56379	3/4" pipeline nipple closure, BROWN	1
7	25235	5/8" clear tubing (per foot), Glitex	1
8	30568	Thermostat for 120V	1
9	30569	Buzzer for 120V	1
10	30572	Power cord for 120V	1
11	30567	Pasteurizer hose with faucet adapter	1

#30520 240V Kleen Flo® Pasteurizer

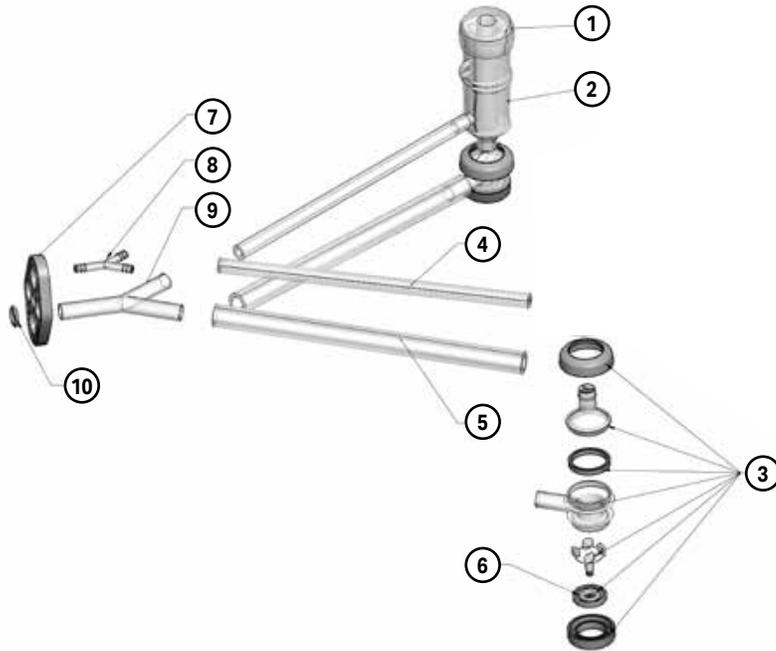
Sold on pg. 80

Green Power Cord Wire	Buzzer to Cover
Black Power Cord Wire	Left Side of Heating Element
White Power Cord Wire	Top of Thermostat
Yellow Buzzer Wire	Bottom of Thermostat
Yellow Buzzer Wire	Connect to Resistor
Yellow Connecting Wire	Top of Thermostat to Resistor
Short White Connecting Wire	Bottom of Thermostat to Right Side of Heating Element



ITEM	PART #	DESCRIPTION	QTY
1	96000	Red knob for lid	1
2	30575	Inner bucket lid latch with ball for pasteurizer	1
3	99715	O-ring	1
4	30555	Pasteurizer inner bucket	1
5	30565	Heating element, 240V	1
6	56379	3/4" pipeline nipple closure, BROWN	1
7	25235	5/8" clear tubing (per foot), Glitex	1
8	30568	Thermostat for 240V	1
9	30569	Buzzer for 240V	1
10	30570	Resistor for 240V	1
11	30571	Power cord for 240V	1
12	30567	Pasteurizer hose with faucet adapter	1

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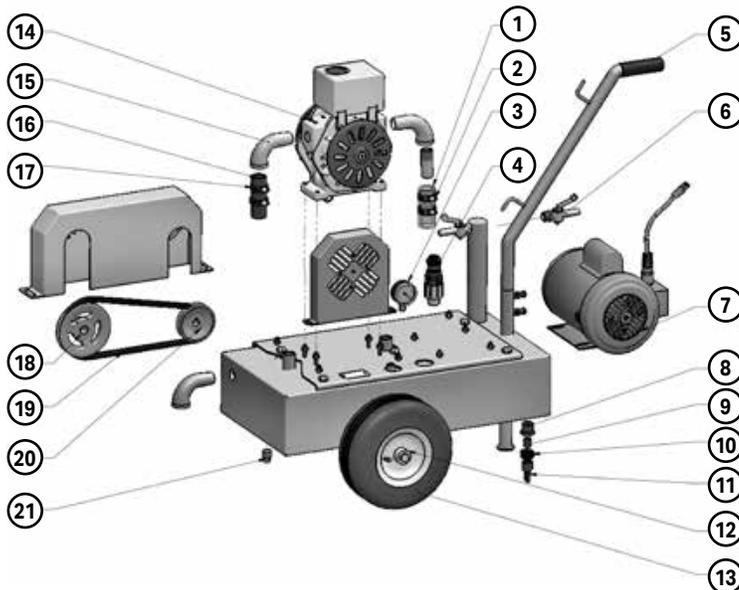


#63104 Classic Milking Unit for Goats With ITP 207 Valves

ITEM	PART #	DESCRIPTION	QTY
1	63157	Silicone goat liner	
2	63010	Clear plastic goat shell	
3	63270	ITP 207 automatic shutoff valve	2
4	63165	Air hose	2
5	63166	Milk hose	2
6	63272	ITP 207 Diaphragm	2
7	63162	Tube assembly holder	1
8	63534	Vacuum Y	1
9	63161	Y piece for 1/2 to 5/8 milk hose	1
10	63163	Tubing holder ring (Large)	1

Sold on pg. 93

#70100 Deluxe Model Portable Pump ONLY

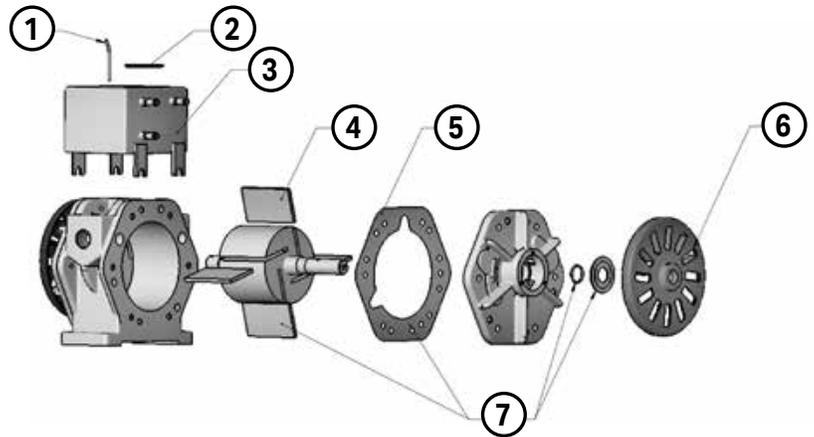


ITEM	PART #	DESCRIPTION	QTY
1	25237	1" CLEAR tubing, Glitex	1
2	NS70100-4	1 3/4" hose clamp	2
3	67224	Small vacuum gauge, 2"	1
4	67223	Vacuum release valve	1
5	NS70100-17	1" x 4 1/2" black vinyl nubbed grip	1
6	23855	Straight 3/8" level stallcock	2
7	67125	U.S. Electric 1 HP, 1800 RPM motor, 56 frame	1
8	65808	3/4" x 3/8" hex bushing	1
9	65540	3/8" x close galvanized nipple	1
10	NS17780-5	1 1/8" clamp	1
11	18037	Duckbill drain	1
12	NS70100-1	Shaft collar	2
13	70104	10" air tire for deluxe unit	2
14	70105	1 HP Conde #3 pump head, with oiler	1
15	65724	3/4" galvanized 90 deg street elbow	3
16	NS70100-20	Portable pump hose - 1" diameter	1
17	NS70100-7	1 1/2" hose clamp	2
18	65071	MA50X34 Pulley	1
19	65069	A-32 Belt	1
20	65070	MA35X58 Pulley	1
21	66004	1/2" steel square head plug	1

Sold on pg. 93

#70105 1 HP Conde #3 Pump Head with Oiler

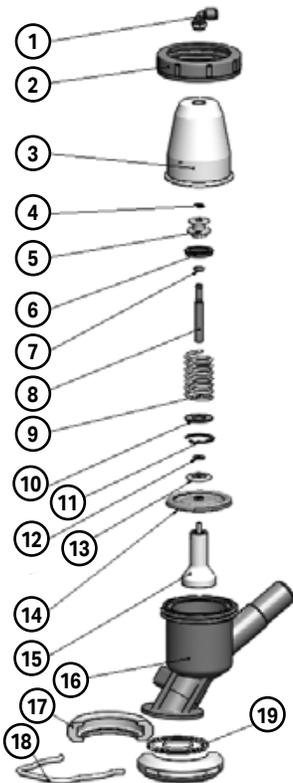
ITEM	PART #	DESCRIPTION	QTY
1	70109	Wick	1
2	70103	Rubber oil plug with vent	1
3	70097	Oil reservoir with hoses	1
4	70107	Vane for Conde #3 pump	4
5	70098	Endplate gasket	2
6	70108	Metal fan	2
7	70106	Rebuild kit	



ILLUSTRATIONS

Sold on pg. 128

#91942 Replacement Air Visoflow Sensor Assembly

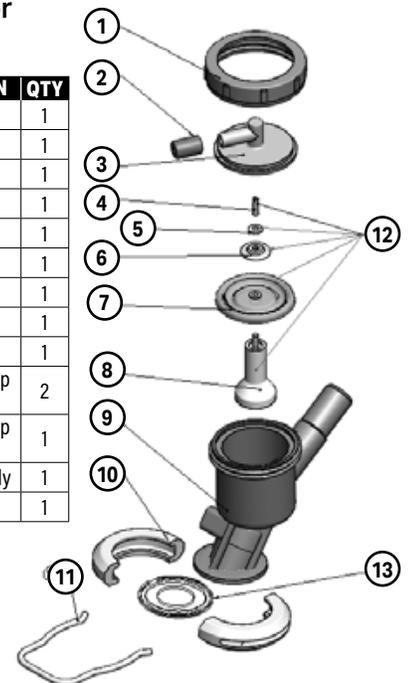


ITEM	PART #	DESCRIPTION	QTY
1	NS2577	¼ x ½ Male elbow	1
2	91845	Nut	1
3	91951	Air top ONLY	1
4	20508	E-clip	1
5	91952	Spool insert	1
6	91957	U-cup	1
7	91958	O-ring	1
8	91953	Air stem	1
9	91954	Spring	1
10	NS5484	Flat washer	1
11	91956	Retaining ring	1
12	91977	Washer	1
13	91973	Plastic washer	1
14	99751	Clear diaphragm	1
15	91946	Plunger ONLY	1
16	91940	Sensor body	1
17	99175	Breakaway clamp (Half)	2
18	99177	Breakaway clamp spring	1
19	99185	Silicone gasket	1

Sold on pg. 128

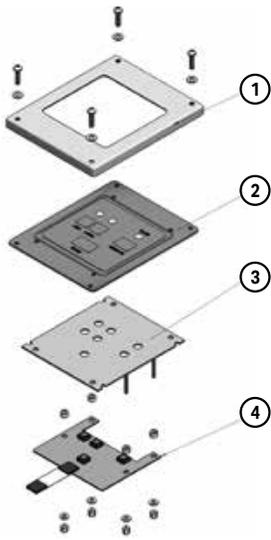
#91941 Replacement Vacuum Visoflow Sensor Assembly

ITEM	PART #	DESCRIPTION	QTY
1	91845	Nut	1
2	91991	Sealing cap	1
3	91846	Top valve cover	1
4	91975	Plunger nut	1
5	91977	Washer	1
6	91973	Plastic washer	1
7	99751	Clear diaphragm	1
8	91946	Plunger ONLY	1
9	91940	Sensor body	1
10	99175	Breakaway clamp (Half)	2
11	99177	Breakaway clamp spring	1
12	91945	Plunger assembly	1
13	99185	Silicone gasket	1



Sold on pg. 122

#85035 E-Zee Keypad with S.S. Cover and Adaptor Board for SST#2

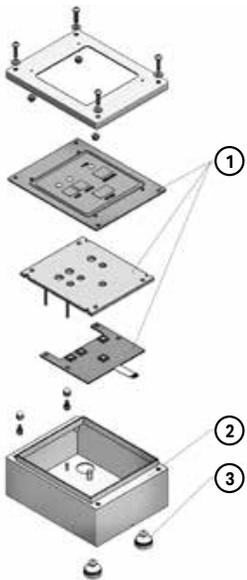


ITEM	PART #	DESCRIPTION	QTY
1	85093	Stainless lid	1
2	85070	E-Zee keypad	1
3	85083	Stainless plate	1
4	85076	Adaptor board	1

ILLUSTRATIONS

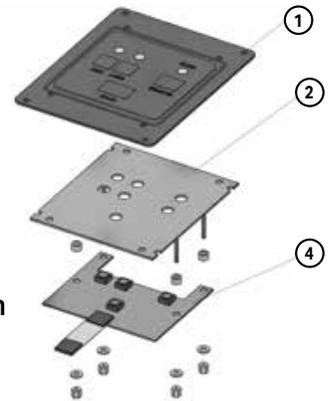
Sold on pg. 122

#98771 Deeper Box and Cover for SST#2, with Keypad



ITEM	PART #	DESCRIPTION	QTY
1	85020	E-Zee Keypad with adaptor board	1
2	98769	Deeper box & cover	1
3	98764	Cable grommet	2

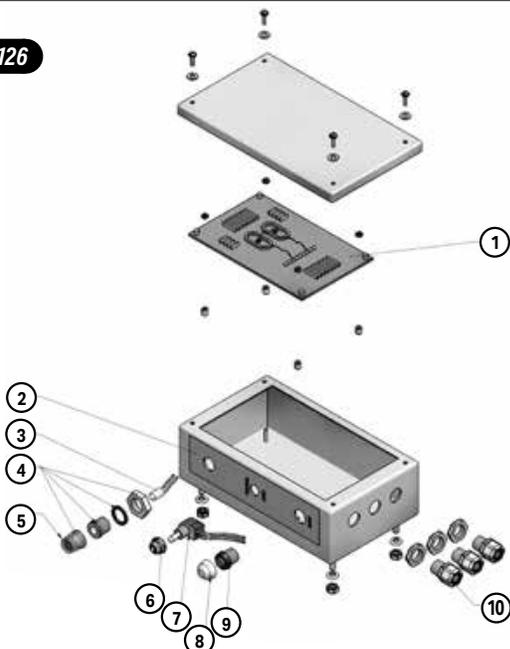
#85020 E-Zee Keypad with Adaptor Board for SST#2



ITEM	PART #	DESCRIPTION	QTY
1	85070	E-Zee Keypad	1
2	85083	Stainless plate	1
3	85076	Adaptor board	1

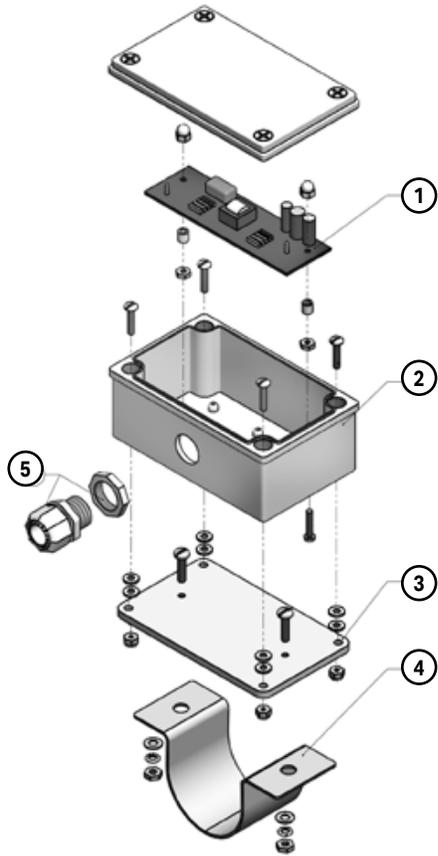
Sold on pg. 126

#91851 Replacement WF Style Box, Side Switches With #85350 Board



ITEM	PART #	DESCRIPTION	QTY
1	85350	Board	1
2	92561	Cord grip, PG9	3
3	91823	Label	1
4	85352	LED bulb	1
5	91840	Red lens assembly	1
6	91841	Red lens	1
7	91838	Water tight toggle switch cover	1
8	91835	Heavy-duty toggle switch	1
9	91831	Push button cover	1
10	91830	Push button	1

Sold on pg. 130



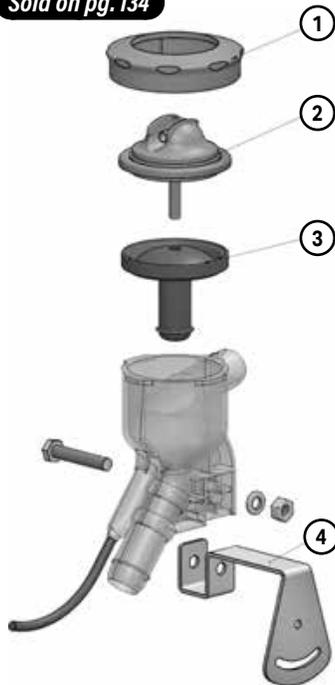
#92279 Sensor Interface Assembly

ITEM	PART #	DESCRIPTION	QTY
1	92280	Sensor interface board	1
2	92278	Box	1
3	92276	Mounting plate	1
4	91806	Mounting bracket	1
5	92563	Cord grip, PG 13.5	1

ILLUSTRATIONS

#91750 Hi Flow Sensor Assembly, ITP

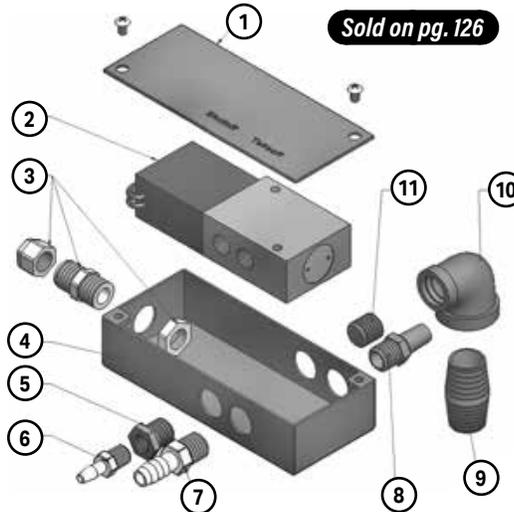
Sold on pg. 134



ITEM	PART #	DESCRIPTION	QTY
1	91756	Nut	1
2	91755	Sensor top cap, ITP	1
3	91757	Diaphragm	1
4	91763	Sensor bracket	1

#91785 Replacement Reversing Valve with Stainless Enclosure

Sold on pg. 126

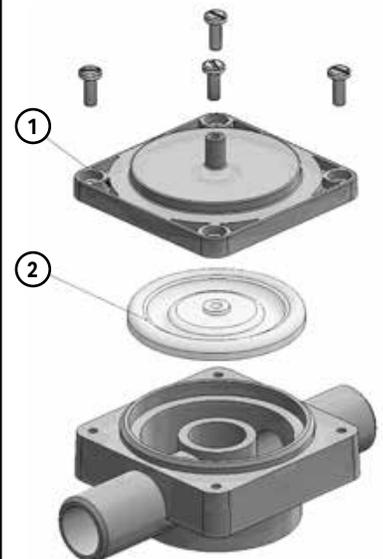


ITEM	PART #	DESCRIPTION	QTY
1	91796	Stainless lid	1
1	91790	Stainless box with lid (Includes: 1 & 4)	1
2	99777	Solenoid	1
3	92561	Cord grip, PG 9	1
4	91795	Stainless box	1
5	65800	1/4" x 1/8" hex bushing	1
6	92806	3/16" hose x 1/8" NPT nylon barbed male connector	1
7	92828	3/8" hose x 1/4" NPT nylon male connector	1
8	99719	Metal filter muffler	1
9	65561	1/2" x 1 1/2" galvanized nipple	1
10	NS2939	1/2" x 1/4" elbow	1
11	65520	1/4" x close galvanized nipple	1

#78490 Plastic Vacuum Operated Shutoff Valve

(Radel) for 3/8" & 1/2" Hose

Sold on pg. 136

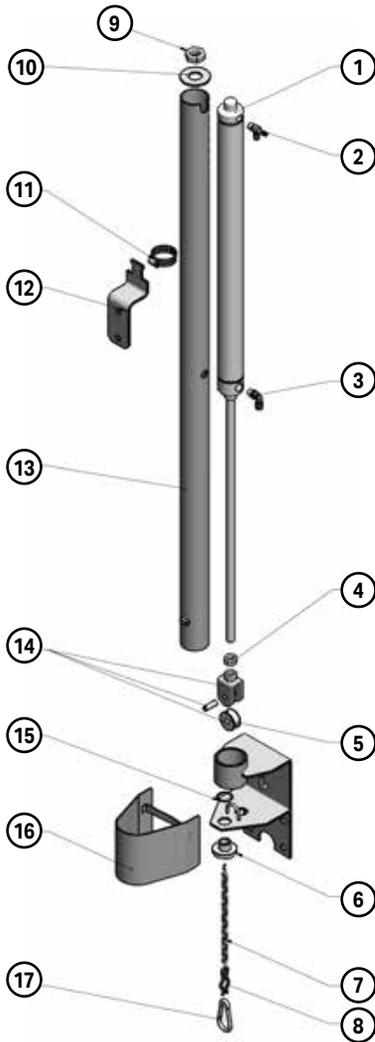


ITEM	PART #	DESCRIPTION	QTY
1	78493	Cover	1
2	99751	Clear diaphragm	1

Sold on pgs. 116 & 137

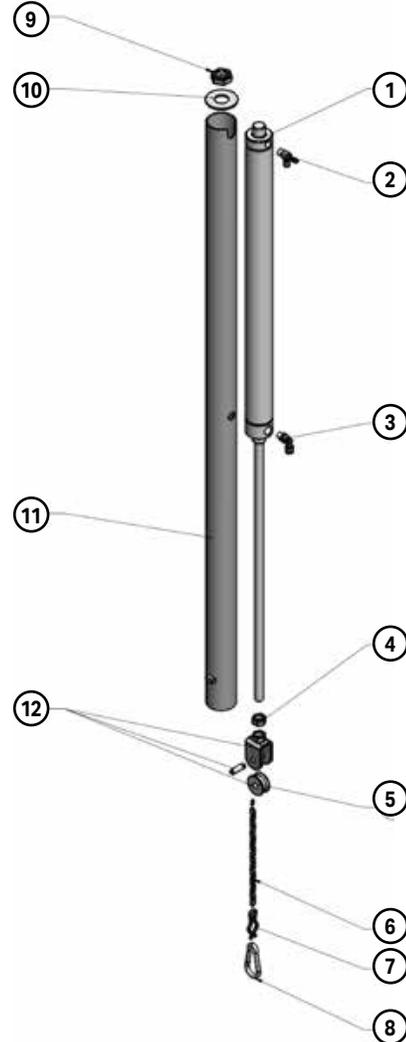
#99808

Replacement BM Style Air Cylinder Assembly With Mounting Brackets, Complete



#99809

Replacement BM Style Air Cylinder Assembly Less Mounting Brackets



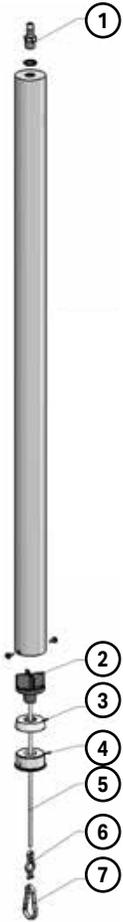
ITEM	PART #	DESCRIPTION	QTY
1	99771	18" replacement air cylinder	1
2	NS2567	5/32 x 1/8 Flow control	1
3	NS2578	5/32 x 1/8 Male elbow	1
4	99768	7/16" x 20" stainless hex jam nut	1
5	92475	Pulley	1
6	99807	White bushing	1
7	99804	Stainless 50" chain	1
8	96087	Stainless breakaway clip	1
9	99767	3/4" x 16 stainless hex jam nut	1
10	99766	3/4" x 1 1/8 stainless flat washer	1
11	99744	Stainless hose clamp	1
12	99740	Mounting bracket	1
13	99806	Pipe for 18" air cylinder	1
14	99805	Pulley assembly	1
15	99729	Stainless retaining ring	1
16	10070	Shield	1
17	96012	Stainless steel snap, small	1

ITEM	PART #	DESCRIPTION	QTY
1	99771	18" replacement air cylinder	1
2	NS2567	5/32 x 1/8 Flow control	1
3	NS2578	5/32 x 1/8 Male elbow	1
4	99768	7/16" x 20 stainless hex jam nut	1
5	92475	Pulley	1
6	99804	Stainless 50" chain	1
7	96087	Stainless breakaway clip	1
8	96012	Stainless steel snap, small	1
9	99767	3/4" x 16 stainless hex jam nut	1
10	99766	3/4" x 1 1/8 stainless flat washer	1
11	99806	Pipe for 18" air cylinder	1
12	99805	Pulley assembly	1

Sold on pgs. 122 & 137

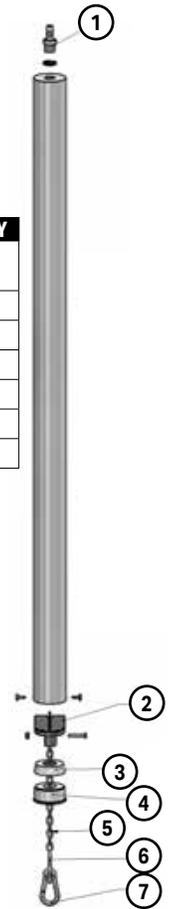
#98721 Replacement DL Style Cylinder

ITEM	PART #	DESCRIPTION	QTY
1	92825	3/16" hose x 3/8" NPT nylon made connector	1
2	98734	Piston	1
3	98735	Seal	1
4	92241	Bottom cap	1
5	98790	Rope	1
6	96087	Stainless breakaway clip	1
7	96012	Small stainless steel snap	1



#98731 Replacement DL Style Cylinder with Chain

ITEM	PART #	DESCRIPTION	QTY
1	92825	3/16" hose x 3/8" NPT nylon male connector	1
2	98736	Piston	1
3	98735	Seal	1
4	92239	Cylinder bottom	1
5	96030	Stainless steel chain	1
6	96087	Small stainless steel snap	1
7	96012	Stainless steel breakaway clip	1



ILLUSTRATIONS

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#91860 Replacement WF Style Cylinder with Leather Sleeve

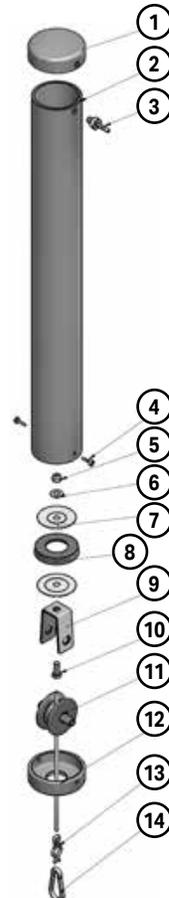
ITEM	PART #	DESCRIPTION	QTY
1	91862	Top cap	1
2	91861	O-ring	1
3	91863	Washer for top cap	1
4	99747	Leather sleeve for top cap	1
5	91867	Spring	1
6	91865	Piston	1
7	91820	Cylinder bottom	1
8	98790	Rope	1
9	96087	Stainless breakaway clip	1
10	96012	Small stainless steel snap	1



Sold on pgs. 127 & 137

#91662 Replacement PVC Cylinder for Stimopulse MA

ITEM	PART #	DESCRIPTION	QTY
1	92806	3/16" hose x 1/8" NPT nylon barbed fitting	1
2	91235	Seal	1
3	96087	Stainless breakaway clip	1
4	96012	Stainless steel snap, small	1



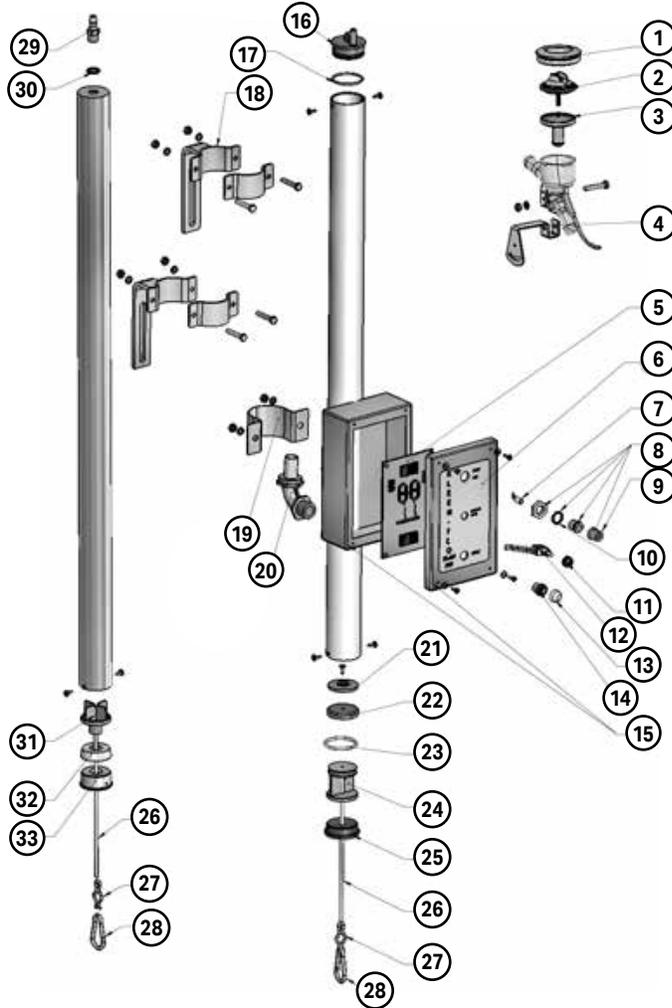
Sold on pgs. 134 & 135

#91725

Kleen Flo® Stainless Takeoff Assembly,
with 98721 Stainless Cylinder, with Model 500 Hi Flow Swirl Sensor

#91737

Kleen Flo® Stainless Takeoff Assembly,
with 91860 Stainless Cylinder, with Model 500 Hi Flow Swirl Sensor

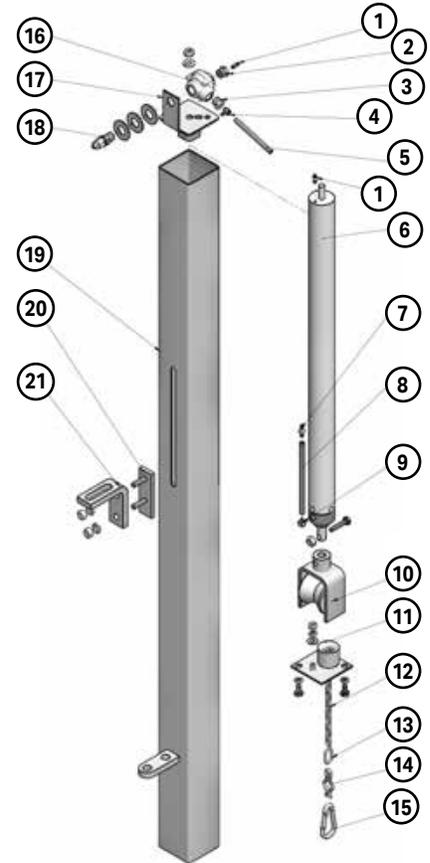


ITEM	PART #	DESCRIPTION	QTY	ITEM	PART #	DESCRIPTION	QTY
1	91756	Nut	1	19	91806	Mounting bracket	1
2	91755	Sensor top cap	1	20	91887	90 degree conduit elbow	1
3	91757	Diaphragm	1	21	91863	Washer for top of piston	1
4	91763	Sensor bracket	1	22	99747	Leather sleeve for piston	1
	91750	Hi flow sensor assembly, ITP (Includes: 1-4)	1	23	91867	Spring for piston	1
5	91710	Circuit board	1	24	91865	Piston for cylinder	1
6	91745	Blue label	1	25	91820	Bottom for cylinder	1
7	85352	LED bulb	1	26	98790	3/16" nylon rope	1
8	91840	Red lens assembly	1	27	96087	Stainless breakaway clip	1
9	91841	Red lens	1	28	96012	Stainless steel snap, small	1
10	NS2822	O-ring for light body	1		91860	Stainless cylinder assembly WF Style (Includes: 16, 17, 21, 22 & 8)	1
11	91838	Water tight toggle switch cover	1	29	92825	3/8" hose x 3/8" NPT nylon male connector	1
12	91835	Heavy-duty toggle switch	1	30	NS2822	O-ring	1
13	91831	Push button cover	1	31	98734	Piston for cylinder	1
14	91830	Push button	1	32	98735	Seal for piston	1
15	NS10480	Stainless takeoff box	1	33	92241	Bottom for cylinder	
16	91862	Top cap	1		98721	Stainless cylinder assembly DL style (Includes: 26-33)	
17	NS2800	O-ring for top cap	1				
18	91805	Stainless cylinder bracket	2				

Sold on pg. 137

#96089

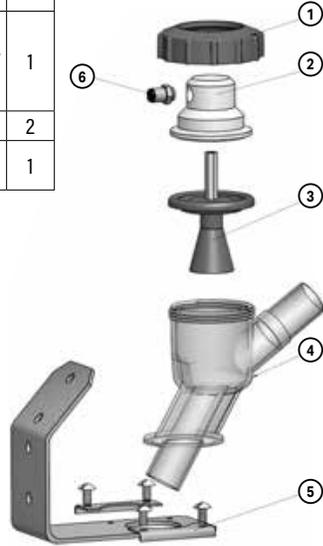
Chain Cylinder
(Model E)



ITEM	PART #	DESCRIPTION	QTY
1	96055	1/2" thread x 1/8" barb	2
2	96034	1/8" NPT to 1/2" brass bushing	1
3	96035	1/4" NPT to 1/2" brass bushing	1
4	NS2784	1/2" x 1/8" barb adjustable elbow	1
5	96011	1/8" red tubing	3"
6	96189	Cylinder	1
7	96129	1/8" hose menders	1
8	96006	1/8" blue tubing	30"
9	NS2789	1/8" NPT x 1/8" tube elbow	1
10	96190	Pulley assembly	1
11	96192	Bottom cap	1
12	96138	Stainless steel chain	53"
13	98782	Large split link	2
14	96087	Stainless steel breakaway clip	1
15	96012	Stainless steel snap, small	1
16	96112	EV 125 quick exhaust valve	1
17	96191	Top cap	1
18	96049	1/4" adjustable muffler	1
19	96193	Stainless steel square tube assembly	1
20	96194	Mounting bracket plate	1
21	NS2121	L bracket	1

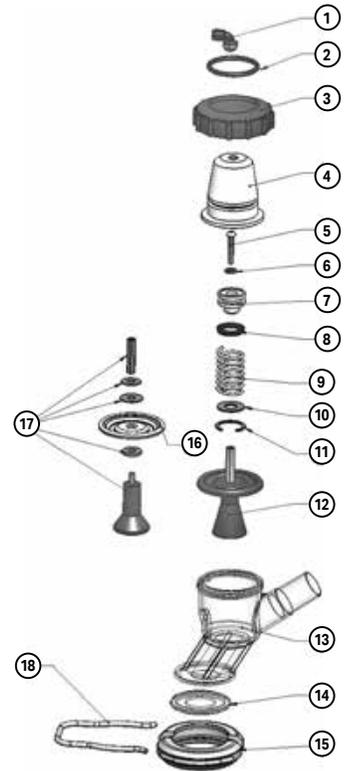
#99152 Radel Curb Mount Shutoff Assembly Vacuum Operated

ITEM	PART #	DESCRIPTION	QTY
1	99889	Nut	1
2	99883	Vacuum top	1
3	99875	N/S plunger assembly	1
4	99144	Radel body only for shutoff, curb mount style	1
5	99817-1	Side clip	2
6	NS2570	5/32 X 1/8 male connector	1



#99160 Replacement Air Shutoff Assembly, 3/4"

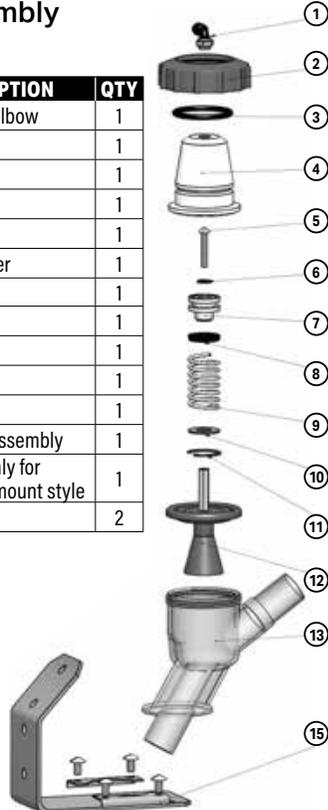
ITEM	PART #	DESCRIPTION	QTY
1	NS2578	5/32 X 1/8 male elbow	1
2	99168	O-ring	1
3	99889	Blue nut	1
4	99162	Shutoff top only	1
5	99166	Top screw	1
6	99170	Sealing washer	1
7	99163	Insert	1
8	99169	U-cup	1
9	99167	Spring	1
10	99165	Flat washer	1
11	99164	Snap ring	1
12	99875	Plunger (one piece)	1
	99155	Air top assembly (Includes: 1-12)	
13	99146	Radel body ONLY	1
14	99185	Silicone gasket	1
15	99175	Breakaway clamp half ONLY	2
16	99751	Clear diaphragm	1
17	99886	Plunger less diaphragm	1
	99885	Plunger assembly (Includes: 16 & 17)	
18	99177	Breakaway clamp spring ONLY	1
	99180	Breakaway clamp kit for shutoff (Includes: 14, 15, & 18)	



Sold on pg. 121

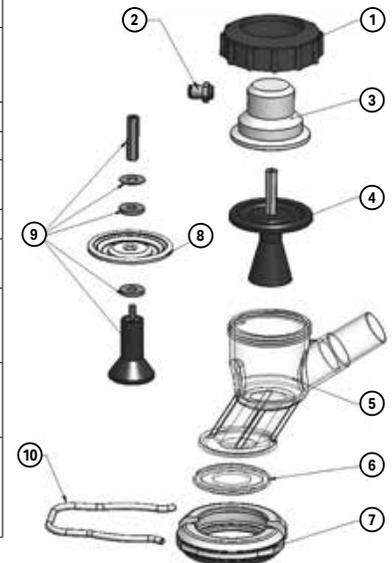
#99158 3/4" Radel Curb Mount Shutoff Assembly Air Operated

ITEM	PART #	DESCRIPTION	QTY
1	NS2578	5/32 X 1/8 male elbow	1
2	99889	Nut	1
3	99168	O-ring	1
4	99162	Air shutoff top	1
5	99166	Screw	1
6	99170	Sealing washer	1
7	99163	Insert for top	1
8	99169	U cup seal	1
9	99167	Spring	1
10	99165	Flat washer	1
11	99164	Snap ring	1
12	99875	N/S plunger assembly	1
13	99144	Radel body only for shutoff, curb mount style	1
14	99817-1	Side clip	2



#99150 Replacement Vacuum Shutoff Assembly, 3/4"

ITEM	PART #	DESCRIPTION	QTY
1	99889	Blue nut	1
2	NS2570	5/32 X 1/8 male connector	1
3	99883	Vacuum top	1
4	99875	Plunger (one piece)	1
	99148	Vacuum top assembly (Includes: 1-4)	
5	99146	Radel body ONLY	1
6	99185	Silicone gasket	1
7	99175	Breakaway clamp half ONLY	2
8	99751	Clear diaphragm	1
9	99886	Plunger less diaphragm	1
	99885	Plunger assembly (Includes: 8 & 9)	
10	99177	Breakaway clamp spring only	1
	99180	Breakaway clamp kit for shutoff (Includes: 6, 7, & 10)	

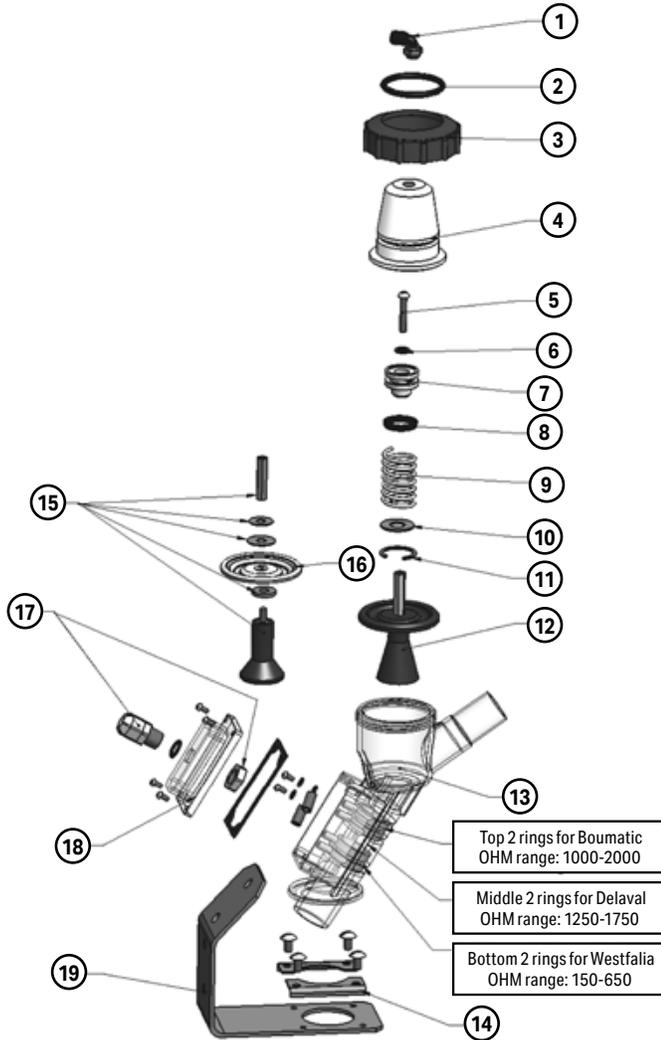


ILLUSTRATIONS

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#99882

Curb Mount Kleen Flo® Air Sensor Assembly, 3/4"

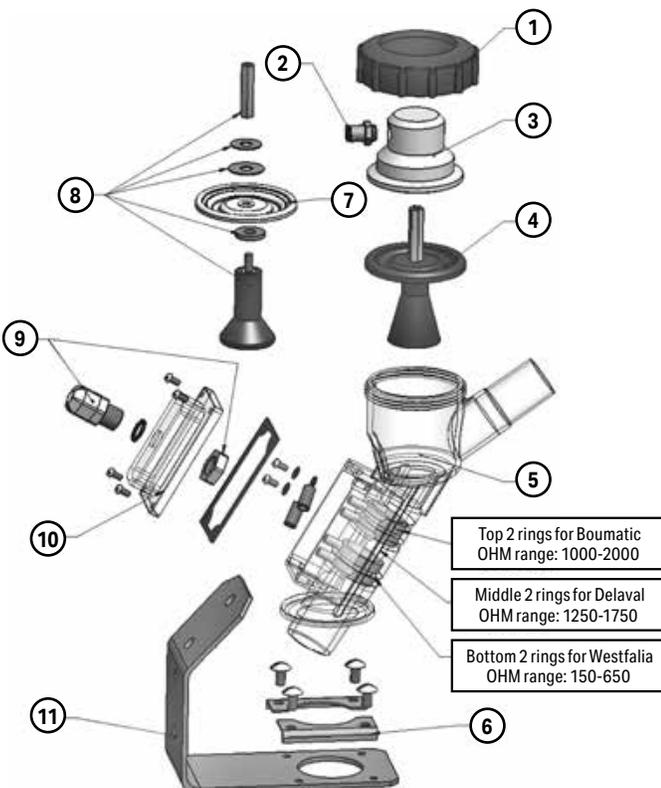


ITEM	PART #	DESCRIPTION	QTY
1	NS2578	5/32 X 1/8 male elbow	1
2	99168	O-ring	1
3	99889	Blue nut	1
4	99162	Shutoff top ONLY	1
5	99166	Top screw	1
6	99170	Sealing washer	1
7	99163	Insert	2
8	99169	U-cup	1
9	99167	Spring	1
10	99165	Flat washer	1
11	99164	Snap ring	1
12	99875	Plunger (One piece)	1
	99155	Air top assembly (Includes: 1-12)	
13	99880	Curb mount sensor body (Includes cover)	1
14	99817-1	Side clip for 99817 bracket	2
15	99886	Plunger less diaphragm	1
16	99751	Clear diaphragm	1
	99885	Plunger assembly (Includes 15 & 16)	1
17	92294	Cord grip	1
18	99879	Plastic terminal cover only	1
19	99817	Mounting bracket assembly Includes: 1 & 4)	1

Sold on pg. 120

#99881

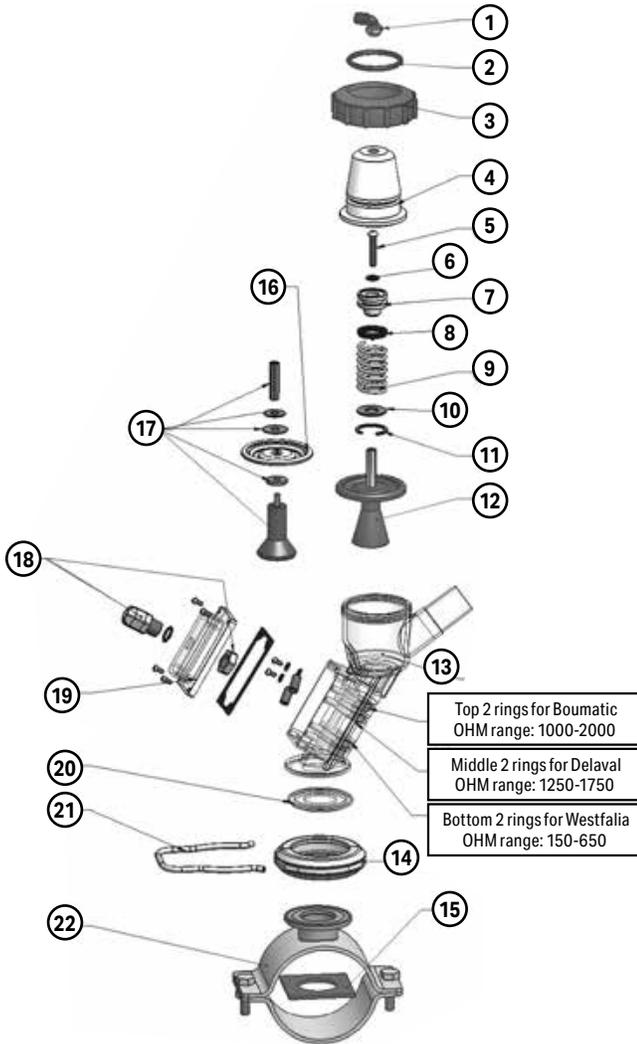
Curb Mount Kleen Flo® Vacuum Sensor Assembly, 3/4"



ITEM	PART #	DESCRIPTION	QTY
1	99889	Blue nut	1
2	NS2570	5/32 X 1/8 male connector	1
3	99883	Vacuum top	1
4	99875	Plunger (One piece)	1
	99148	Vacuum top assembly (Includes: 1-4)	
5	99880	Curb mount sensor body (Includes cover)	1
6	99817-1	Side clip for 99817 bracket	2
7	99751	Clear diaphragm	1
8	99886	Plunger less diaphragm	1
	99885	Plunger assembly (Includes: 7 & 8)	
9	92294	Cord grip	1
10	99879	Plastic terminal cover ONLY	1
11	99817	Mounting bracket assembly (Includes: 6)	1

Sold on pg. 120

#99876 3" Line Mount Kleen Flo® Air Sensor Assembly, 3/4"

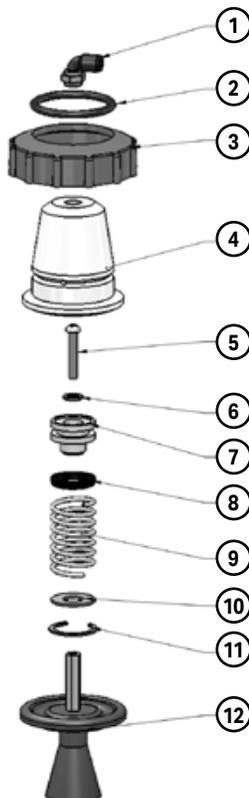


ITEM	PART #	DESCRIPTION	QTY
1	NS2578	5/32 X 1/8 male elbow	1
2	99168	O-ring	1
3	99889	Blue nut	1
4	99162	Shutoff top only	1
5	99166	Top screw	1
6	99170	Sealing washer	1
7	99163	Insert	2
8	99169	U-cup	1
9	99167	Spring	1
10	99165	Flat washer	1
11	99164	Snap ring	1
12	99875	Plunger (<i>One piece</i>)	1
	99155	Air top assembly (<i>Includes:1-12</i>)	
13	99878	Line mount sensor body (<i>Includes cover</i>)	1
14	99175	Breakaway clamp half ONLY	2
15	91811	Gasket for 3" stainless milk line clamp	1
16	99751	Clear diaphragm	1
17	99886	Plunger less diaphragm	1
	99885	Plunger assembly (<i>Includes: 8 & 9</i>)	
18	92294	Cord grip	1
19	99879	Plastic terminal cover ONLY	1
20	99185	Replacement silicone gasket	1
21	99175	Breakaway clamp spring ONLY	1
22	91810	Stainless 3" milk line clamp, with gasket	1

ILLUSTRATIONS

Sold on pg. 121

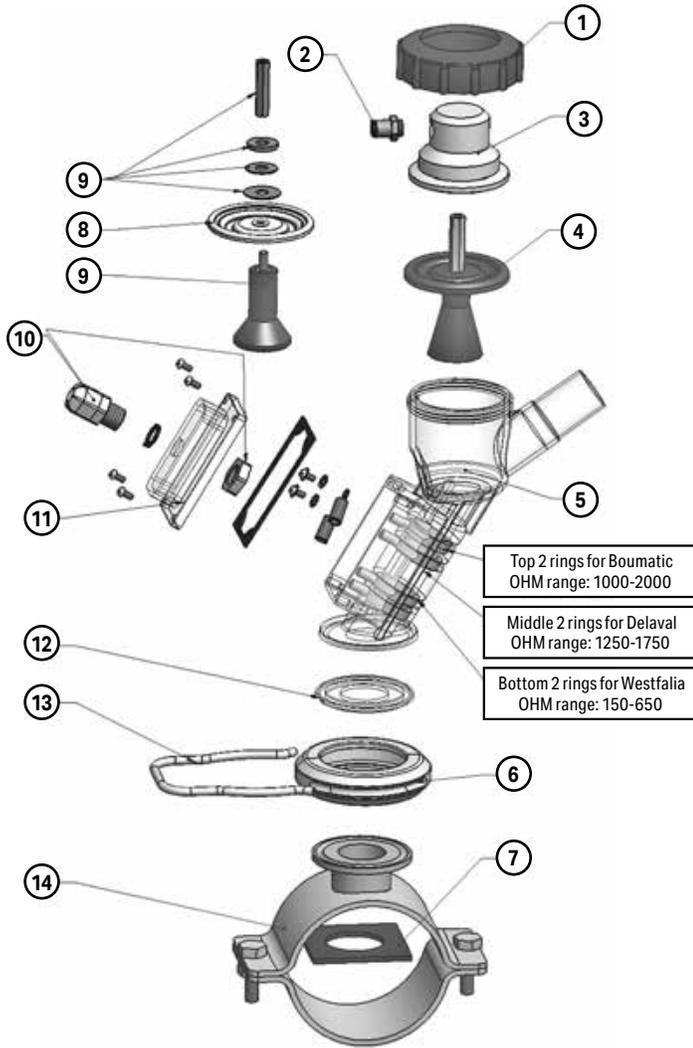
#99155 Replacement Air Top Assembly



ITEM	PART #	DESCRIPTION	QTY
1	NS2578	5/32 X 1/8 mail elbow	1
2	99168	O-ring	1
3	99889	Blue nut	1
4	99162	Shutoff top only	1
5	99166	Top screw	1
6	99170	Sealing washer	1
7	99163	Insert	1
8	99169	U-cup	1
9	99167	Spring	1
10	99165	Flat washer	1
11	99164	Snap ring	1
12	99875	Plunger (<i>one piece</i>)	1

Sold on pg. 120

#99877 3" Line Mount Kleen Flo® Vacuum Sensor Assembly, 3/4"



ITEM	PART #	DESCRIPTION	QTY
1	99889	Blue nut	1
2	NS2570	5/32 x 1/8 male connector	1
3	99883	Vacuum top	1
4	99875	Plunger (One piece)	1
	99148	Vacuum top assembly (Includes: 1-4)	
5	99878	Line mount sensor body (Includes cover)	1
	99175	Breakaway clamp half ONLY	2
6	99180	Breakaway clamp kit for sensor / shutoff	1
7	91811	Gasket for 3" stainless milk line clamp	1
8	99751	Clear diaphragm	1
9	99886	Pluncher less diaphragm	1
	99885	Plunger assembly (Includes: 8 & 9)	
10	92294	Cord grip	1
11	99879	Plastic terminal cover ONLY	1
12	99185	Replacement silicone gasket	1
13	99177	Breakaway clamp spring	1
14	91810	Stainless 3" milk line clamp (Includes: 7)	1

ILLUSTRATIONS

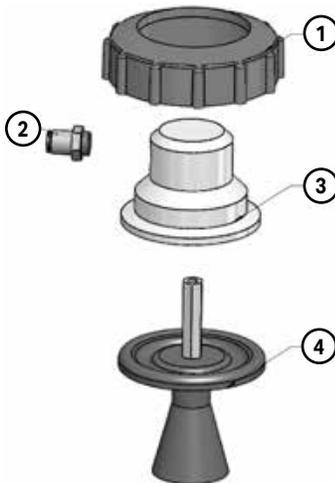
Top 2 rings for Boumatic
OHM range: 1000-2000

Middle 2 rings for Delaval
OHM range: 1250-1750

Bottom 2 rings for Westfalia
OHM range: 150-650

#99148 Replacement Vacuum Top Assembly

Sold on pg. 121



ITEM	PART #	DESCRIPTION	QTY
1	99889	Blue nut	1
2	NS2570	5/32 x 1/8 male connector	1
3	99883	Vacuum top	1
4	99875	Plunger (One piece)	1

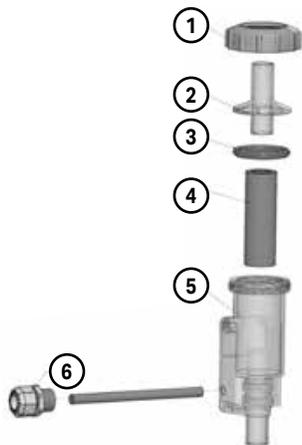
#91960 Replacement Air Top Assembly for Visoflow Sensor

Sold on pg. 128



ITEM	PART #	DESCRIPTION	QTY
1	NS2577	1/4 x 1/8 male elbow	1
2	91845	Nut	1
3	91951	Air top only	1
4	20508	E-clip	1
5	91952	Spool insert	1
6	91957	U-cup	1
7	91958	O-ring	1
8	91953	Air stem	1
9	91954	Spring	1
10	NS5484	Flat washer	1
11	91956	Retaining ring	1
12	99751	Clear diaphragm	1
13	91946	Plunger ONLY	1

Sold on pg. 117



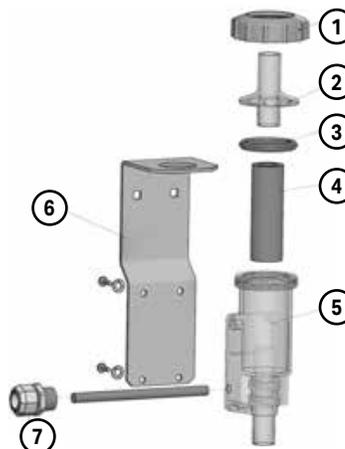
#99832 Replacement Sensor / Shutoff Assembly for 2100 / 2101

ITEM	PART #	DESCRIPTION	QTY
1	99889	Nut	1
2	99891	Cap	1
3	54326	1/2" tri clover gasket	1
4	99830	Rubber shutoff hose	1
5	99832	Sensor / shutoff	1
6	992563	Cord grip, PG 13.5	1

#99831 Replacement Sensor / Shutoff Assembly for 2100 / 2101 with Mounting Bracket

Sold on pg. 117

ITEM	PART #	DESCRIPTION	QTY
1	99889	Nut	1
2	99891	Cap	1
3	54326	1/2" tri clover gasket	1
4	99830	Rubber shutoff hose	1
5	99832	Sensor / shutoff	1
6	99819	Bracket	1
7	92563	Cord grip, PG 13.5	1





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- 10316** Replacement fold down CIP block for GEA tray, custom size



- 10309** Custom fold down CIP block for GEA tray



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Replacement Jar for Electrobrain II Washer



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Replacement 120V Gear Box Motor with Transformer for Depend-O-Drain



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Digital Vacuum Gauge



*Batteries not included

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