THE SCHLUETER COMPANY

Proudly Celebrating 100 Years in the Food, Beverage and Dairy Industries!

Janesville, WI 800.359.1700

Fresno, CA 800.359.1702

schlueterco.com

The Schlueter Company Mission Statement:

The Schlueter Company has been involved in the evolution of the Dairy Industry since 1919 - the first year that dairy farm families and milk processors discussed improving the health of children and giving back to their communities. Our vision is to offer equipment to all size dairy and food and beverage producers and sustain as many as we can in the ever-changing dairy world.

To All Schlueter Customers:

We are pleased to present our new Schlueter dairy system catalog. We have developed it to be both comprehensive and easy to use.

This catalog is subdivided into ten sections, each represented by its individual color. Included in this catalog are many new products! Please inquire if more detailed information is required on any of these products.

For over 100 years, the Schlueter Company has manufactured many high quality products for farm, plant and industrial applications. We're still committed to offering you the highest quality, most innovative technology and prompt service available.

Stainless steel requirements for dairy farm, dairy plant, food, beverage, brewery or other agricultural applications are our speciality. Schlueter fabrications include parlor stalls, stainless steel receivers, vacuum pump systems, wash tanks, CIP-COP systems, milking units and accessories, milk strainers-filters, water treatment systems and many other products. We continue to search the world over to offer the latest in technology with energy efficiencies, labor reduction and lower prices.

Most importantly, thank you for choosing to be a Schlueter customer. We sincerely value your loyalty and look forward to serving your future needs.

Sincerely,
The Employees and Management of The Schlueter Company

The Schlueter Co. was founded by Alfred W. Schlueter in 1919 with the purpose of building and servicing boilers used in cheese factories and milk condenseries. When The Grade A Program began in Chicago in 1935, The Schlueter Co. began fabricating dairy farm wash tanks for use in milkhouses. As The Grade A Milk Program expanded to the rest of the United States, Schlueter met the demand for tanks and also additional milkroom needs.

"To keep the business sustainable, you have to keep looking for new ideas and think of new ways to fabricate. You don't have to reinvent the wheel, but you have to keep pushing the wheel down the road." President, Brad Losching

Corporate Headquarters
Manufacturing & International
The Schlueter Company
P.O. Box 548
320 N. Main Street
Janesville, WI 53547
Voice: 608-755-5444
Fax: 608-755-5440
Toll Free: 800-359-1700
From Canada: 800-346-5414

Western U.S. Warehouse
The Schlueter Company
4539 N. Brawley Ave., #101
Fresno, CA 93722
Voice: 559-276-7888
Fax: 559-276-9436
Toll Free: 800-359-1702

THESCHLUETERCOMPANY

Celebrating 100 Proud Years of Business!

Major Milestones in The Schlueter Company 100 Year History!

1919 – Schlueter Boiler Works Founded Downtown Janesville, WI

Schlueter Boiler Works is founded by Alfred W. Schlueter. Located at 310 N. Main St in Janesville, WI, the company builds and services boilers for cheese and milk factories and condenseries.

1940 – Second-Generation Enters the Company

B.H. (Bud) Losching, son-in-law of Alfred, joins the company, introducing new wash tanks and power-brush washers for dairy processing plants. World War II years – Schlueter employs 25 men, who work to fulfill government war orders. Milk used in WWII Service Camps processed using Schlueter equipment.

1943 – Name Changed to The Schlueter Company

The company changes its name to The Schlueter Company. Alfred purchases the adjoining property at intersection of Parker Drive and Centerway in Janesville, building a large addition to expand the manufacturing facility (Headquarters Janesville, WI, Pictured Above).

1959 – Tragic Fire Breaks out in Factory

On November 11th, a fire breaks out, gutting the factory's second floor. Twenty-six firefighters battle the blaze. Firefighter William J. Finnane is killed in the line of duty.

1960's – Third-Generation of Family enters the Company

Bernard A. Losching, son of B.H. (Bud) Losching, joins the company. The Schlueter Company begins selling full-scale milking equipment.

1970 – The Company Expands Factory and Warehouse

The Schlueter Company purchases another adjoining property at intersection of Morse and Main Street in Janesville, WI.

1970's – More Third Generation Family enters the Company

Brad W. Losching and Holly J. Losching, brother and sister to Bernard, join the firm.

1980 – Another Manufacturing Concern Purchased Expanding the Businesses

The Schlueter Company purchases Decker Manufacturing at 122 S. River St. and the rights to their products. Schlueter renames this new company American Farm Implement and Specialty to continue innovating stainless fabrications for the dairy industry, and this company's product line now known as Enginaire Clean Air Systems (Above, Top-Right).

1980's – Distribution Centers Purchased throughout the US

To meet growing demand, the company opens distribution centers in Wisconsin, Pennsylvania and California. Manufacturing continues in Janesville, WI, and Brad Losching scours world over creating large distribution business and milking equipment catalogs.

1985 – The Company Rewards Dealers with Trip Abroad

The Schlueter Company creates special top dairy dealer initiative and sends over 60 dealers on all-inclusive trip through Germany and parts of Europe.

1990's – Great Expansion of Business throughout the 1990's

Both the Schlueter Company and Enginaire Clean Air Systems grow and expand.

1993 – New Leadership atop The Schlueter Company

Brad Losching becomes President of The Schlueter Company.

2010 – Fourth Generation of Family Enters the Business

Brad's son, David W. Losching, joins the business in distribution and warehousing management.

2015 – Enginaire Enjoys Growth in Recently Developed Hydraulic Fracturing Industry

Brad's son, Mark B. Losching, joins the business as Marketing Director. Mark leads Enginaire's Sales and the team has rapidly grown the business in air filtration products for fracturing oil/gas, mining, construction, commercial lawn care, etc. and further moves into operator cab filtration/pressurization on top of diesel-engine air filtration.

2019 – 100 Years of Business for The Schlueter Company

The Schlueter Company celebrates 100 proud years in business! A high tech, cow-friendly new milking system is marketed at The Schlueter Company. With new technologies, the company plans to expand Schlueter to serve the microbrewery industry. Enginaire surpasses 1 million units sold of its patented centrifugal air precleaning systems.

Table of Contents

Table of Contents

Schlueter Complete Milking Systems

Milk Watch Milking System

Milk Watch Detacher System
Part# 46980

SYSTEM INCLUDES:	PART#
Sensor	46981
Control box	46981-1
Shutoff	46962
(2) Pulsator/Switch valve	23057
SS vacuum cylinder	47446-A

Order left or right hand sensor bracket separately.

Milk Watch Components

DESCRIPTION	PART#
Milk Watch sensor	46981
Milk Watch control box	46981-1
Milk Watch control box and sensor	46982
Milk Watch connect box for group settings	46982-1
Milk Watch sensor bracket (left)	46982-4
Milk Watch sensor bracket (right)	46982-5
Milk Watch data server (complete)	46983
Milk Watch ID activator and antenna	46985
Milk Watch ID watch and strap	46986
Milk Watch strap only	46986-5
Milk Watch ID receiver	46986-1
RFID tag implant chip	46995
RFID gun for implanting chip	46995-1
RFID needles for gun	46995-2
Ear Tag with half duplex RFID chip	46995-3
Leg Band less chip	46995-4
Leg Band with RFID chip	46995-5

Milkwatch system monitors essential milking functions such as pulsation control and milking machine takeoff. Provides valuable information concerning milk yield, milk flow rate, milking time, and milk & wash temperatures as well as conductivity for cows, goats, and sheep.

The ⅞" OD sensor is also suited for use in milking of small ruminant animals such as sheep and goats. Linked to a PC, the Milk Watch software presents clear data concerning milk quality, animal health, and fertility.

The *Milk Watch system* integrates with *Milk Watch ID system* for a complete herd management package. The wrist watch style receiver/transmitter can detect both stall address and animal ID. Animal milk yield can be accurately and reliably obtained with significantly reduced infrastructure cost. Portal and walkover ID antennas are also available.

Features:
• Free flow sensor for ⅝" or ¾" hose
• Milk flow rate and total yield
• Milk conductivity and milk temperature
• Adjustable time delay
• Clear kickoff indication and milk evacuation
• Adjustable pulsation speed and ratio
• Auto or manually activated stimulation
• Manual/automatic machine removal
• Parlor/sort gates can be operated from control box
• Continuous monitoring of cleaning parameters
• Yield and conductivity data can be transferred to PC
• Cow information is available from software
• Automatic alarm codes at cow side
• Advanced event planning
• Interfaces with DairyComp™

Milk Watch Management
Software Packages:

PACKAGE DESCRIPTION	PART#
Activity	46990-1
Agenda	46990-2
Engineer tools	46990-3
Lactation	46990-4
Milk	46990-5
Cow traffic	46990-7
Auto parlor gate IMB	46990-8
Concentrated feed	46990-9
Feed IMB per stall	46990-A
Milk Watch control IMB	46990-B

EcoFlow Milk Meter

Features:
• Milk Yield
• Milk flow rate
• Milk and Water temperature
• Milking time
• Electrical Conductivity - Mastitis Detection

Technical Features:
• Free flow design - Maintenence Free
• Ability to measure small milk quantities
• Standalone or working with Automatic ID
• In-Post ID from any MPC

EcoFlow Milk Meter

DESCRIPTION	PART#
Control, Sensor, Cylinder, Pulsator, Shutoff	47050
Control and Sensor Only	47051
Control Box Only	47052
Flow Sensor	47053
RS485 Network Adapter	47054
Sensor Bracket Left	47055
Sensor Bracket Right	47056

Maxi-Flow Automatic Detacher

Complete Unit - Part# 46965
Maxi-Flow Control Box Only - Part# 46951-C
Complete milking points include digital detacher control, pulsator, milk flow sensor, switching valve, retract cylinder, and milk shut-off valve. Zero restriction on fastest and heaviest milking cows will allow quick & even milk harvest. Pulsation is controlled by the detacher, extending liner and pulsator life. Milk sweep, cluster release, vacuum on delay, retract delay, stimulating pulsation, and flow rate characteristics are fully programmable with the remote handset. Uses 18 volts.
• Works with both air pressure and vacuum
• Pulsation stops on retract (stimulation on demand)
• Milk sweep, cluster release, delayed vacuum-on and retract. Can be used to update existing systems

18/24 Volt
AC/DC Power Supply
One required per eight milking points. See wiring diagram on page 129.
Part# 47483-A

12 Volt DC
Power Supply
One required per eight milking points
Part# 47483

Programming Handset
Part# 46955
The programming handset uses infrared technology to communicate with the detacher control. All adjustments to the milking point including pulsation, milk flow rate, attach vacuum delay, gentle retract, milk sweep, vacuum or air pressure are adjusted with the remote handset.

Safgard D2 Detacher System

Safgard D2 Detacher System
One Control to Run Two Stalls!
Designed so all settings for all detachers from milking delays to detach signals, can be changed in seconds with a keystroke at your computer.
No need to open each stall's control box.
You decide settings to optimize milking and fine-tune settings for your herd.
Easier installation with one control for two stalls.
Priced to sell to all size dairies.

Safgard D2 Detacher Complete System
2 Stalls with Cylinders, Shut Off/Sensor, Pulsator Valve, Control Box, Button Box and Back Clamps
Part# 47460

Safgard D2 Detacher System

SYSTEM INCLUDES:	PART#
Safgard D2 Tap Switch Box Assembly	47461
Safgard D2 Back Clamp for Tap Box	47461-1
Safgard D2 Tap Switch Amber w/ Cable	47461-2
Safgard D2 Tap Switch Blue w/ Cable	47461-3
Safgard D2 Master Control Box	47462

Miscellaneous/Generic Detacher Parts

Milk Hose Shut-Offs

Molded Poly Air Powered Milk Hose Shut-Off

DESCRIPTION	PART#
Air Pressure Shut-Off Valve	47469
Adjusting Strap for ⅞" Hose	47469-1
Rubber boot cover for ⅝" Hose	47469-2
¼" OD Poly Tubing per foot	48261

(¼" OD Poly Fitting Included)

SS Vacuum Operated Clamp Valve
Part# 47486
Replacement Diaphragm
Part# 47477

Single Diaphragm Valve Afimilk™ Style
Part# 46895
Diaphragm
Part# 46895-1

Vacuum Operated Clamp Valve
Part# 47491
For ⅝" - ⅞" rubber, plastic & silicone hose. New piston style design works on virtually any size hose.

DESCRIPTION	PART#
Replacement strap	47491-1
Replacement seal ring	47491-2

Stainless Steel Detacher Chain Sold by the ft.
Part# 47494

Standard SS Snap ¼"
Part# 47494-2

Split Link
Part# 47494-1

Large split link
Part# 47494-3
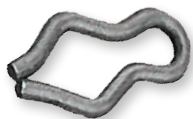
Breakaway clip
Part# 47494-4

Large Capacity ¾" (19mm) Vacuum Operated Diaphragm Shut-Off Valve
Part# 46960
Large ¾" I.D. allows for bigger volumes of milk from larger outlet claws. Replacement black diaphragm
Part# 46960-1

Safgard™ Parlor PTO Sensor
Part# 46881-6

DESCRIPTION	PART#
Shut-off diaphragm	46881-0
Flow sensor cap	46881-1

Waikato™ Sensor/Shut-Off Valve
Part# 46962
Clear Diaphragm Only
Part# 46962-1

GDT Main On-Off
4 Way Clippard Air Valve Assy
Part# 47466

Westfalia™, Bou-matic™, & Beco™ Replacement Diaphragm
Made of high quality silicone material. Out performs original equip. diaphragm. (Ask about quantity discounts.)
Part#47492

Silicone Line Gasket
Part# 47492-1

2"x32" SS Vac & Air Retract Cylinder
Part# 47446-A - Vacuum Cylinder w/ rope
Part# 47450 - Air Cylinder w/ chain

Copy for Westfalia™ ACR 37"
SS Vac Retract Cylinder w/ Rope
Part# 47493-A

Copy for DeLaval™ SST#2™
SS Vac Retract Cylinder w/ Rope
Part# 47488-A

Cylinder Bottom for DeLaval™ SST#2 And Bou-matic™ Cylinders
Part# 47488-C

Copy for DeLaval™ SST#2™
SS Vac Retract Cylinder w/ SS Chain
Part# 47488-B

Piston Replacement for DeLaval SST#2 SS Cylinder
Part# 47488-D

Seal Replacement for DeLaval SST#2 SS Cylinder
Part# 47488-E

GEA™ Surge™ Westfalia™ Takeoff Generic Replacement Parts

**Westfalia™ ACR Board Replacement
Part#47493**
This is a drop in replacement for the Westfalia™ ACR. Adjust to standard factory settings, or dairymans preferred settings.
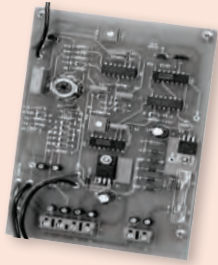
**Water Tight Toggle Switch Cover
Part# 47444-7**

**Toggle Switch Cover
Part# 46930**

**Plunger Assy Replacement for Westfalia™ Visoflo™ Sensor
Part# 46971-2**

**Plunger Assy Replacement for Westfalia™ Metatron™ Sensor
Part# 46971-1**

**Westfalia™ Metatron™ Meter Replacement Service Kit
Part# 46971**

Kit Includes:

QTY	DESCRIPTION
1	Lid gasket
1	Plunger assy w/ diaphragm
3	Sealing caps
2	Diaphragms
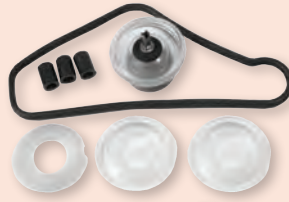
SS Replacement 3" Milk Line Clamp for Westfalia™ Visoflo™ Or Metatron™ Meters
Complete w/ gasket - **Part# 46971-3**
3" Gasket Only - **Part# 46971-4**
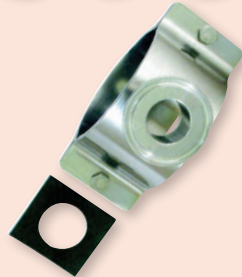
**Surge™ VSO Sensor Body Replacement
Part# 46970**
Direct replace. for VSO sensor top.

**Surge™ VSO Plunger For VSO Float
Part# 46970-3**

**Surge™ VSO Cap & Stem For VSO Float
Part# 46970-4**

**Surge™ VSO Sensor Base Replacement
Part# 46970-1**
Direct replacement for VSO sensor base.
Gasket only for VSO -
Part# 46970-2
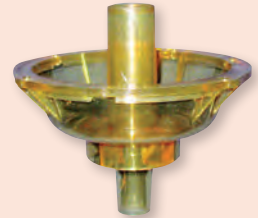
**Surge™ Optic™ Sensor Replacement Kit
Part# 46972**
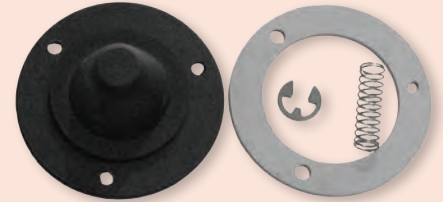
**Surge™ Omni™ Cylinder Replacement Kit
Part# 46973**

**Surge™ Omni™ Vacuum Solenoid Replacement Kit
Part# 23048**

**Safgard™ Automatic Detacher/Parts
Part# 47444**
The Safgard Automatic detacher is an excellent stand alone detacher for commercial installations. 1,000's in use world wide. Stainless steel control box and retract cylinder. Easy access service.

Replacement Parts

DESCRIPTION	PART#
Toggle switch	47444-3
Control board	47444-4
Buss fuse 1.5 amp	47444-5
Half boot toggle switch	47444-7
Light bulb	47444-9
3-Way solenoid	47445-7
Neoprene cup for piston	47446-2
Hook for cable	47446-8
Seal only for 2" vac-cylinder	47446-9
2" SS Cyl. Complete	47446-A
Flow sensor complete	47447
Diaphragm for flow sensor	47447-3

Bou-matic™ & DeLaval™ Takeoff Generic Replacement Parts

Stainless Cover & Connector Board Adapts to SST#2™
5.2, 5.3, or 6.1 boards
Part# 47488

Keypad w/Connector Board Adapts to SST#2™
5.2, 5.3, or 6.1 boards
Part# 47488-1

Reed Switch Replacement for SST#2™ and ARM Takeoffs
Part# 47488-2

DeLaval™ Replacement Parts For SST #2

Sensor Diaphragm
Part# 47488-4

Magnetic Plate
Part# 47488-6

Sensor Cover Gasket
Part# 47488-5

Sensor Jar Replacement for DV300 and SST#2™
Part# 47490

5/8" Vertical Sensor Lid
Part# 47490-1

DeLaval™ Milk Master™ Takeoff Parts Replacement

Rubber Rebuild Kit for Sensor
Part# 47489

Rubber Rebuild Kit for Amplifier
Part# 47489-4

Filter (Inc Clip)
Part# 47489-1

Outer Seal for Motor
Part# 47489-2

Inner Seal for Motor
Part# 47489-3

DeLaval™ Takeoff Generic Replacement Parts

MM25 Gasket
Part# 47489-5

Wear Plate for ARM I or ARM II Takeoff Linkage
Part# 47488-7

Bou-matic™ 2000V/2100 Board Replacement
Part# 47495
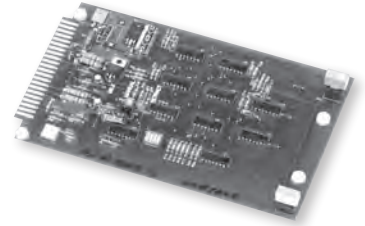
This is a drop-in replacement for the Bou-Matic™ 2000V/2100 detacher. Adjust to standard factory settings, or dairymans preferred settings.

Service Kit Replacement for Bou-matic™ Perfection Meter
Part# 47496

Parts Include: White diaphragm, large seal (2) required, red silicone seal, rubber plug, small thin black "O"ring, SS plate, SS insert, SS spring, plastic threaded nut, and SS bolt.

Service Kit Replacement for Bou-matic™ Perfection Meter
Part# 47496-1

Parts Include: White diaphragm, large seal (2) required, red silicone seal, rubber plug, and small thin black "O"ring.
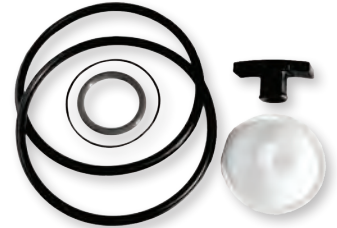
Replacement Parts for Bou-matic™ Perfection Meter

DESCRIPTION	PART#
Diaphragm only	47496-2
Diaphragm Assy. w/ screws	47496-3

Plunger Assy Replacement for Bou-matic™ New Style Sensor
Part# 47497

DESCRIPTION	PART#
Plunger only	47497-1
Diaphragm only	47492

Solenoid Valve Replacement for Bou-matic™ 2100 and 2101
Part# 47495-1

Solenoid Valve Replacement for Bou-matic™ 3000 series
Part# 47495-3

Solenoid Valve Replacement for Bou-matic™ for 2000v and 2000vm
Part# 47495-2

Waikato Mark-V Milk Meters

- Weighing device for parlor or stanchion barns
- DHIA approved
- V-block or rapid clamp mounting
- Dual scale in pounds and kilograms

65 LB. Waikato Milk Meter
with Standard V-Block Mounting - 30 kg.
Part# 46224

92 LB. Waikato Milk Meter
with Standard V-Block Mounting - 42 kg.
Part# 46218

4.5 Liter Waikato Milk Meter for Goats
with Standard V-Block
Part# 46221

92 LB. Waikato Milk Meter with Speed Sampler (less wedge mount)
Part# 46215

92 LB. Waikato Speed Sampler
Upgrade Kit
Part# 46216

42 KG. Waikato Milk Meter
with Speed Sampler (less wedge mount)
Part# 46217

42 KG. Waikato Speed Sampler
Upgrade Kit
Part# 46217-1

Standard Plastic V-Mount Bracket
Complete - **Part# 46252**

SS Notched Meter Bracket w/Flat Plate
Part# 46354

SS Curb Style Meter Bracket Rounded
Part# 46355
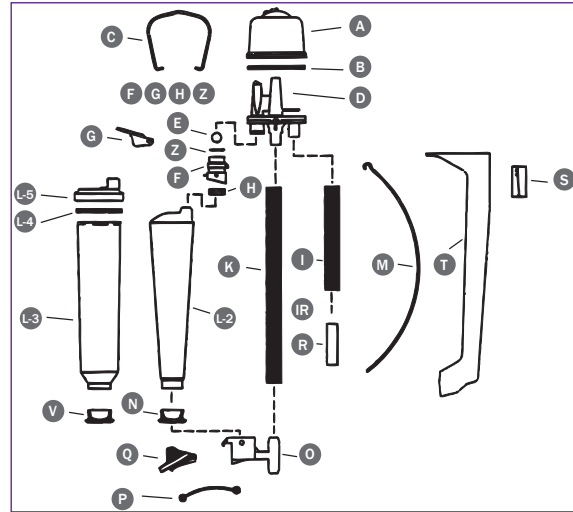
Milk Meter Parts

PICTURE	DESCRIPTION	PART#
A	Cover only	46226
B	Cover seal	46228
C	Cover clip	46229
D	Base assembly	46225
D-1	Goat base assy.	46223
E	Stainless steel ball	46232
FGH	Ball cage assembly	46227
G	Flask depressor	46233
H	Valve housing gasket	46231
IJ	Check valve assembly - N/A	46251
IR	¾" SS connector	46251-2
K	Hose	46246
L-1	Goat flask	46222
L-2	Flask - 65 lb.	46236
L-3	Flask for 92 lb. meter	46219
L-4	Top seal for 92 lb. meter	46219-2
L-5	Cover for 92 lb. meter	46219-1
M	Flask wires (pair)	46244
N	Bung - open flask (65)	46238
N	Bung - open flask (92 lb.)	46238-1
O	Tap housing	46243
P	Tap strap	46258
Q	3 way tap	46259
S	Wedge block	46253
T	Bracket	46235
V	Bung - closed flask	46239
V	Bung - closed flask (92 lb.)	46239-1

WAIKATO™ E-Z OFF Takeoff

3" Ram (Old Style - Not Stainless Steel) Parts

ITEM	DESCRIPTION	PART#
	3" RAM complete	47423-1
A	Nipple bracket	47398
	SS Vac Cylinder with rope	47446-A
C	Bayonet bracket	47399
D	Pan head screw	47400
E	Piston Backup Washer	47424
F	Piston seal	47401
G	Piston assembly (E,F,G)	47417
H	Cord	47416
J	Bayonet insert assembly	47418
I	T.C.R. cluster clip	47402

Waikato E-Z OFF Complete Parlor Unit
Part# 47420

Teat Cup Initiator Parts

ITEM	DESCRIPTION	PART#
	Initiator sensor complete	47421
A	Cover	47396
B	Valve head	47412
C	Float	47411
D	Body	47410
E	Bridle	47414
F	Float lifting lever and bung	47415
G	Bracket	47413
H	Bung	47397
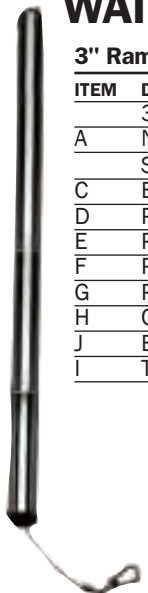
Vacuum operated, no extra power source is required. Simple to operate in either automatic or manual mode. It detaches when the milk flow drops below ½ lb./min.
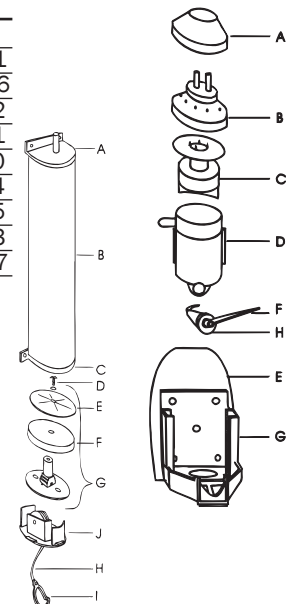
Safgard™ Home Pasteurizer

MODEL	TEMP.	QTS.	VOLTAGE	PART#
P3000	Single	8	110V	26710
P3000	Single	8	220V	26710-1
P3000	Dual	8	110V	32846
P3000 SS	Single	8	110V	26705

*P3000 SS has Stainless Steel Inside Pail Only

Home Pasteurizer Parts

DESCRIPTION	PART#
Outside cover knob	26718
Outside cover	26717
Outer container	26741
Outside handles	26763
Intake hose	26764
Connector outlet hose	26756
Fiber gasket for connector	26756-1
Outlet hose	26755
Cover lock	26709
Cover (milk pail)	26716

DESCRIPTION	PART#
Lid gasket for inner pail	26754
Milk pail (Aluminum)	26740
Milk pail (SS w/ cover, gskt)	26739
Number 2 stopper	26758
110V element	26759
220V element	26759-A
Gasket heating element	26759-1
Resistor (220V)	26760-A
Toggle switch	26743
Thermostat	26752
Buzzer	26760

EleCrem - Electric Cream Separators

MODEL	QTS./HR.	QTS./STORAGE	PART#
EL-I	132	10½	46282
EL-III	332	26½	46283-1

Note: Larger sizes available

EL-I   **EL-III**

Electric Cream Separators

MODEL	GAL/HR	BOWL CAPACITY	PART#
Mod 18	25	3 gal	46289
Mod 19	25	3 gal	46288
Mod 500	132	NA	46290

- Separates milk into cream and skimmed milk
- Separation of cream from skimmed milk with simultaneous removal of contaminants
- All parts made of metal, except Mod 19 made of food grade plastic
- Mod 500 is 220V and euro electric plug, need voltage converter in the USA, 250 watts
- Mod 18 and 19 either 120V US or 220V Euro plug

Model 18   **Model 19**   **Model 500**

Safgard™ Pasteurizers for Calf Milk/Human Consumption

Safgard™ Pasteurizers For Calf Milk

Pasteurizers to process sick cow, fresh cow, and colostrum milk into usable calf milk feed. Why throw away milk that can be used to improve the health and survival of the next generation of herd replacement heifers.

Advantages:

- Stainless steel construction to 3A standards
- Cost savings on powdered milk
- Reduction of medicines
- Heat exchanger in the tank walls
- 45 RPM agitator with stainless steel cover
- Spray ball included for tank washing
- Available extras: milk pump / wash pump with hoses instead of agitator Processing automation PLC computer for manual and automatic processing. Automatic electric heating and cooling valves

55 Gallon Economy Calf Milk Pasteurizer
Part# 80060

Options Include:
- Chart recorder
- Air cavity heater
- Variable speed milkpump
- Plate heat exchanger

Safgard™ Pasteurizers For Human Consumption

Same features and advantages as our calf milk pasteurizer. Includes a variable temperature and speed airspace heater with filter, a vertical leak detector valve. Unit also includes recorder with 2 pens and 2 temperature transmitters for PMO compliance and fittings needed for these sensors and recorders.

	CALF MILK	HUMAN CONSUMPTION
SIZE GAL.	PART#	PART#
45	80070	80070-H
90	80080	80080-H

Speed King® Egg Candler
Part# 50001
- Green Filtered light (Removable filter)
- White light (Filter removed)
- Prefocused
- Hi-Low Beam Switch

DESCRIPTION	PART#
Green filter lens	50016
Switch only for 32A	50018
Bulb only for 32A	50021
New LED bulb	50014

Part# 80060-H

Part# 80070-H

**HTST Pasteurizer For
Calf Milk MODS**
Advantages:
• Continuous processing
• Energy efficient regeneratioin
  plate section
• Skid mounted for easy installation
• Best price for 400 Gal/HR
  and higher

HTST Pasteurizer For Calf Milk
Advantages:
• Meets US sanitary standards
• 3-A and PMO compliant units available for human consumption
• All stainless steel mounting construction
• Processor controlled pasteurizing with recorder/controller
• Can pasteurize liquids other than milk
• Extra cooler section available for bottling cold products

Model A HTST Pasteurizer

DESCRIPTION	PART#
100 GPH	80150
200 GPH	80151
300 GPH	80152
500 GPH	80153
Upgrades Available	
Automated Inlet Valve	80154
All SS Plate heat exchanger	80155
Full automated wash/ batch unit	80156

Leak Detector Plug Valves

DESCRIPTION	PART#
1½" Horizontal Tri-Clamp	80075
1½" Vertical Tri-Clamp	80075-1
2" Horizontal Tri-Clamp	80076
2" Vertical Tri-Clamp	80076-1

Model S HTST Pasteurizer

DESCRIPTION	PART#
300 GPH	80160
600 GPH	80161
800 GPH	80162
1000 GPH	80163
1500 GPH	80164
2000 GPH	80165
Upgrades Available	
Automated Inlet Valve	80166
All SS Plate heat exchanger	80167
Full automated wash/batch unit	80168

Model A HTST Pasteurizer

Model S HTST Pasteurizer

Safgard™ Portable Automated One or Two-Tank CIP Systems

Safgard™ Portable CIP Tank All Stainless Steel PRW Series
Series PRW (shown on right) is a sanitary CIP solution tank portable to move right up to your jobs. Equipped with a pump and steam regulator you have a basic CIP system. Low models roll under conveyors and permit gravity feed back (no return pump needed). Can be sized and provided with specified degrees of automation.

MODEL GALLONS	INVENTORY NUMBER		DIMENSIONS INCHES				CAPACITY GALLONS	WEIGHT POUNDS
	TANK	COVER	A	B	C	D		
PRW-40	30227	30230	43	63	18	20.5	40	170
PRW-60	30228	30233	50.5	70.5	24	20.5	60	190
PRW-75	30229	30233	50.5	70.5	24	23	75	245
PRW-100	30231	30233	50.5	70.5	24	28.5	100	280
PRW-150	30232	30234	62.5	82.5	24	32.5	150	340
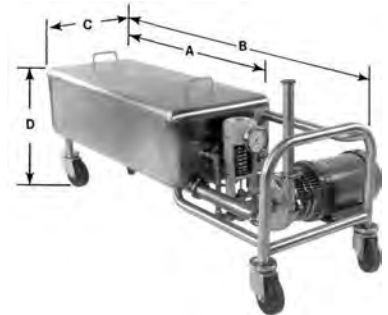
Safgard™ Portable Automated Two-Tank CIP Cart/System
This all Stainless Steel portable and automated Clean-In-Place CIP cart is the perfect solution for tank cleaning needs of microbreweries, wineries, smaller distillers and other mid-sized tank application industries. The cart comes equipped with two 36 gallon Stainless tanks for seperate wash and caustic rinse compartments. The CIP process is made incredibly easy with pre-programmed PLC or standard wash controller. PLC gives digital pre-programming to set cycle times, transitions, etc. Ultimately becomes a single button command operation.

Portable CIP Cart Systems

DESCRIPTION	PART#
Portable One Tank CIP	80180
Portable Two Tank CIP	80181

Advantages:
• Stainless steel construction to 3A standards
• Cost and time savings on washing labor
• Easy portability to set up washing multiple tanks
• Simple and effective design easy use
• Spray ball included for tank washing
• Available extras: milk pump / wash pump with hoses
  instead of agitator

• Optional: Processing automation PLC computer for manual
  and automatic processing.

Introducing SurePulse™ and Calf 35™ Technologies

SurePulse™ Introduction

Concept of pulsation revolutionizing animal health results, improved udder health, reduced cell count and mastitis, and overall improved milking productivity.

SurePulse™ includes plastic inserts placed between the shell and liners to control the movement of liner walls.
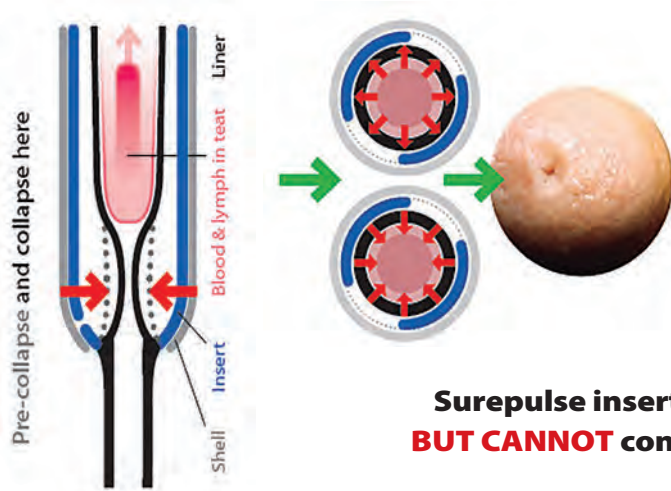
- Inserts help improve pulsation (curves)
- Limit liner distention/ erratic open and close
- Softer liner movement, reduced ballooning
- Gives control over collapse position on teat end

Surepulse inserts control the movement of the liner wall...
BUT CANNOT control vacuum fluctuations or close the liner...
... however Calf 35 can!

Calf 35™ Introduction

Calf 35™ complete pulsation system is a modern and revolutionary designed system that delivers incredible results in milking productivity and speed and vast improvements in animal health and longevity. The system is designed to take control of pulsation and liner movement for end result that emulates a suckling calf. It uses low vacuum at 10.2 inches Hg to open liners and remove the milk from the teat end and positive pressure (compressed air) to close the liners.

Calf 35™ ideally runs at 80-90 cycles per minute significantly improving milk flow rates. Like SurePulse, Calf 35™ includes plastic inserts placed between the shell and liners to control the movement of liner walls.

Calf 35™ Features and Benefits

- Faster milking with 80-90 cycles per minute
- Almost no cup slip milking at 35-36 kPa or 10.2 in. Hg vacuum
- Improved physiology and psychology of animal speeds up the milking process.
- Complete control over movement on the liner including rate of movement and pressures applied
- Never uses pressure outside those of nature
- Excellent teat health
- Significant financial savings in animal health
- Better animal longevity, less cow replacement
- Less stress and creates more pleasant environment for animals and workers

Calf 35™ Equipment Parts

DESCRIPTION	PART#
Calf 35 System Complete	47700
Surepulse US22A Round Inflation	47710
Surepulse US33A Triangular Inflation	47711
Surepulse Shell AMS-1	47712
Surepulse Pink Insert	47713
Surepulse Silver Insert	47714
Surepulse Short Air Tube	47715

Calf 35 muzzle – it has vacuum and puff all at once

Calf 35 dedicated electronic milking point controller

Safgard™ Bulk Milk Mover

40 Gallon - Part# 80110 (Basic Cart)
70 Gallon - Part# 80111 (Basic Cart)

Schlueter's bulk milk mover shortens the time normally taken for the heavy physical labor of feeding calves. The tricycle wheel base and 2400 pound capacity wheel bearings make easy work of heavy loads on rough terrain or inclines. Accurate dispensing pump and nozzle assembly allows for precise feeding in minimal time. Fast & accurate delivery of raw milk or milk replacer.

Features:
- Made in America
- SS tank body and cover assembly
- Large sure-grip tires and wheels
- Easy-turn tricycle base
- Narrow design fits through standard 36" door
- Variable speed mixer for milk replacer or fresh milk
- Adjustable electric drive

Safgard Bulk Milk Mover Options

DESCRIPTION	PART#
Electric drive package	80111-1
Agitator assembly	80111-3
Heater for pasteurizer	80111-4
Special metering nozzle	80111-6

MilkCab Mobile Tank

MilkCab's functions can be controlled by 4.3" color touch screen placed on front side of the tank and features an intuitive user interface. Stainless Steel cover ensures the protection of electrical and electronic components. Heat exchanger on the tank's side wall and bottom for faster milk heating and time savings. Agitation during heating, pasteurization, and cooling ensures uniformed temperature throughout the milk and prevents burned content during pasteurization. 304 Stainless Steel milk tank with polyurethane foam insulation. Wheel brake to prevent rolling.

MilkCab for Raw Milk

DESCRIPTION	PART#
MilkCab 26 Gal Simple Unit (Powder Only)	80127
MilkCab Water and Power Supply Panel	80128
MilkCab Colostrum Pasteurization	80129
MilkCab 26 Gal Milk and Powder 3 Wheel with Electric Drive	80130
MilkCab 26 Gal Milk and Powder 3 Wheel w/o Electric Drive	80131
MilkCab 52 Gal Milk and Powder 3 Wheel with Electric Drive	80132
MilkCab 52 Gal Milk and Powder 3 Wheel w/o Electric Drive	80133
MilkCab 52 Gal Milk and Powder 4 Wheel with Electric Drive	80134
MilkCab 52 Gal Milk and Powder 4 Wheel w/o Electric Drive	80135
MilkCab 79 Gal Milk and Powder 4 Wheel with Electric Drive	80136
MilkCab 79 Gal Milk and Powder 4 Wheel w/o Electric Drive	80137

Safgard™ Stainless Steel Swing-Arm

Part# 47440

The Safgard SS swing-arm is designed for herringbone, parabone, parallel milking parlors. Due to its unique design, one size fits all installations. Proper milking claw alignment insures complete milk-out resulting in better udder health. Factory fabricated assemblies install with little on-farm labor.
Open pit working area increases throughput and operator comfort.

Features:
- Complete stainless steel construction
- Can be used with most automatic detachers
- Fully adjustable cylinder angle
- Stainless steel retract cylinder
- Custom units available on request

Schlueter Safgard™ Claws

Safgard™ Claw – ¾" OD Nipple
Part# 20998

Safgard™ Claw – ⅞" OD Nipple
Part# 20990

Safgard™ Claw with Shut-Off Valve
Part# 20999

- ¾" OD for ⅝" hose
- ⅞" OD for ¾" hose
- Larger capacity/wider nipple spread
- Backflush clip
- Weight 27 oz. without shut-off
- Weight 33 oz. with shut-off

DESCRIPTION	PART#
Windows for Safgard™ claw (3³⁄₁₆" OD × 2¹⁵⁄₁₆" ID)	21112
Flat gasket for Safgard™ claw	21113
Backflush clip only	21126
Airfork Loop for Safgard™ claw	20998-1
Hanger Loop for Safgard™ claw	20998-2

Safgard™ Parallel Claw –¾" OD Nipple
Part# 20991

Safgard™ ⅞" OD Parallel Claw
Part# 20989
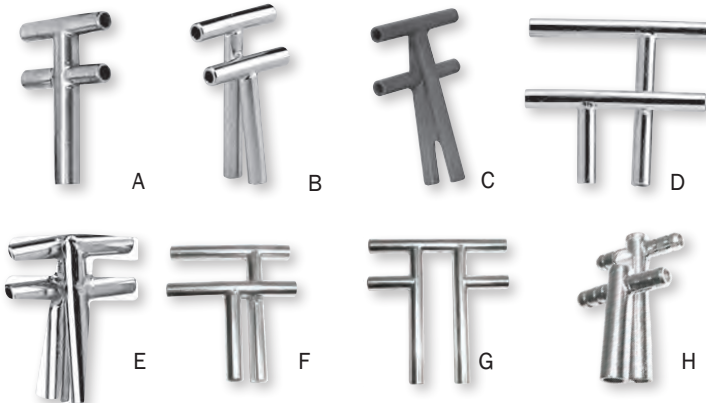
GTE German Top Entry Claws

Replacement for
Germania™ Claw
Standard – Part# 21014
Parallel – Part# 20951

DESCRIPTION	PART#
Window (3³⁄₁₆" OD × 2¹⁵⁄₁₆" ID)	21112
Gasket	21113
White Plastic Plug	21014-1

Rubber Claw Protectors For Barrel Claw

DESCRIPTION	PART#
Wide body barrel claw	20986
Standard body barrel claw	20987
Rubber for Safgard™ claw	21125

Standard & Wide Barrel Claws
Replacement for Bou-Matic™ Claw

Standard Barrel Claw – Plain Nipple
Part# 21007

Standard Barrel Claw w/ Shut-Off
Part# 21121

Wide Body Barrel Claw – Plain Nipple
Part# 21008

Wide Body Barrel Claw w/ Shut-Off
Part# 21122

DESCRIPTION	PART#
Window (2⅝" OD × 2⅜" ID)	21114
Gasket	21115

Top Outlet Standard Barrel Claws

Replacement for IBA™ claw
Standard Herringbone – Part# 21002
Parallel – Part# 21002-1

DESCRIPTION	PART#
Window (2⅝" OD × 2⅜" ID)	21114
Gasket	21115
White Plastic Plug	21014-1

Surge™ Eclipse™ Claw Replacement Parts

DESCRIPTION	PART#
Molded replacement window	21166
Replacement window gasket	21167
Flat window clip replacement	21168

Parts For Brown Style Claw

Replacement for Beco™ Claw

DESCRIPTION	PART#
Window (3¼" OD × 3" ID)	20957
Gasket	20955

Parts For Western Claw

Replacement for Westfalia™ Claw

DESCRIPTION	PART#
Window (2⅞" OD × 2¹¹⁄₁₆" ID)	21110
Gasket	21111

A   B   C   D

E   F   G   H

Air Forks

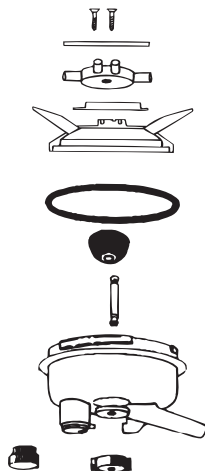|	DESCRIPTION	PART#
A	SS single air fork ⁹⁄₃₂"	20995
B	SS twin air fork (front to back) ⁹⁄₃₂"	20994
B	SS twin air fork (front to back) ¼"	20994-1
C	Plastic twin fork (front to back)	21006
D	SS Germania™ style air fork (front to back) ⁹⁄₃₂"	21000
E	SS side to side air fork ⁹⁄₃₂"	20996
F	SS IBA™ style air fork (front to back) ⁹⁄₃₂"	21002-2
G	SS IBA™ style air fork (side to side) ⁹⁄₃₂"	21002-3
G	SS Germania™ style air fork (side to side) ⁹⁄₃₂"	21000-1
H	SS Surge™ style twin barbed (front to back) ⅜" & ⁹⁄₃₂"	21170

Super Flow™ & Super Flow™ Light Claws
Replacement for DeLaval™ Claw
Super Flow™ Claw - Part# 21010
Super Flow™ Light Claw - Part# 21004

• Large nipple spread for wide-uddered cows.
• Automatic vacuum shut-off.

**Y Splitter
(less insert)
Part# 21011**

**Barbed Insert
Part# 21012**
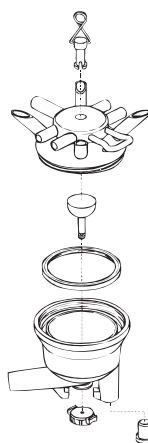
Super Flow™ & Super Flow™ Light Parts

DESCRIPTION	PART#
Air vent *(not shown)*	21028
Standard Air Fork	21004-1
Blue Air Fork	21004-1A
SS Body for plastic air fork	21004-2
Wash loop	21004-3
Screw for Wash loop	21004-4
Air Divider Gasket	21004-5
Claw bowl gasket	21025
Rubber plug and shaft	21019
Claw bowl	21024
Claw Bowl - blank	21024-1
Shut-off clip	21023
Rubber bumper	21013

Flow Claw™
Replacement for DeLaval™ Claw
Part# 21009
Automatic vacuum shut-off locks in place for wash. Both units have alternating pulsation air dividers. The bowl features a large ⅝" outlet for greater milk flow capacity.

Flow Claw™
With Rubber Bumper
Part# 20950
Improved bowl with bottom bumper to protect against breakage. Automatic vacuum shut-off locks in place for wash.

Flow Claw™ & Flow Claw™ W/Rubber Bumper

DESCRIPTION	PART#
Air vent	21028
SS body	21021
Rubber plug & shaft	21019
Gasket	20950-4*
Claw Bowl less bumper	20950-2*
Claw bowl w/wheel	21017
Shutoff Clip	21023
Bumper (Large Std.)	20950-3*
Bumper (Small)	20950-5*
Claw bowl gasket	21018

*parts for bumper claw only

DeLaval™ Harmony™
Replacement Claw & Parts
Complete old style claw w/ valve
Part# 21162

• Integrated center pipe
• 16 oz. weight
• 350 cc capacity
• ⅝" outlet

ITEM	DESCRIPTION	PART#
A	Takeoff loop	21162-0
B	Inflation wire	21162-1
C	Shutoff lock	21023
D	Air vent	21162-3
E	Plastic bowl	21162-4
F	Outer gasket	21162-5
G	Plug with shaft	21162-6
H	Inside gasket	21162-7
I	Center Pipe	21162-8
J	Stainless bottom	21162-9

DeLaval™ Harmony™
Replacement Claw & Parts
Complete new style claw w/valve
Part# 21163

• Integrated center pipe
• 16 oz. weight
• 350 cc capacity
• ⅝" outlet

ITEM	DESCRIPTION	PART#
A	Takeoff loop	21162-0
B	Inflation wire	21163-1
C	Shutoff lock	21023
D	Air vent	21162-3
E	Plastic bowl	21163-2
F	Outer gasket	21162-5
G	Plug with shaft	21162-6
H	Inside gasket	21162-7
I	Center Pipe	21163-3
J	Stainless bottom	21163-4

GEA™ Westfalia™ C300V Milking Claw Replacement
Part# 21127 With Shut-off
Part# 21128 Without Shut-off
• Large nipple spread
  for wider-teat cows
• Automatic vacuum shut-off

## GEA™Westfalia™ C300E Milking Claw Replacement
Part# 21118 With Shut-off
Part# 21119 Without Shut-off

• Narrow nipple spread
 for rear quarters
• Automatic vacuum shut-off

Claw Parts 300V

DESCRIPTION	PART#
Knob Nut	21127-A
Plastic Vac air dist (side to side)	21127-B
Plastic Vac air dist (front to back)	21127-R
SS ⁹⁄₃₂" Vac air dist (side to side)	21118-3
SS ⁹⁄₃₂" Vac air dist (front to back)	21118-2
SS ³⁄₈" × ⁹⁄₃₂" Vac air dist (front to back)	21118-4
Claw Hook	21127-C
SS top for 300V-wide	21127-D
SS top for 300E-narrow	21118-1
Shut-off valve with stem	21127-E
Stem seal gasket	21127-F
Bowl main gasket	21127-G
Claw bowl w/valve stem hole	21127-H
Claw bowl- blank	21127-I
Shut-off clip	21127-J
Bumper for claw	21127-K
SS Bottom Intermediate	21127-L
Bumper Holder	
Plastic Bottom Support Brkt	21127-M
SS Bolt F/Unit With S/O	21127-N
SS Bolt F/Unit W/O S/O	21127-O
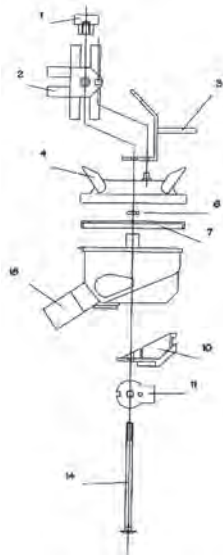
Replacement for Surge™ Mini Orbit(s) Claw
Part# 21116
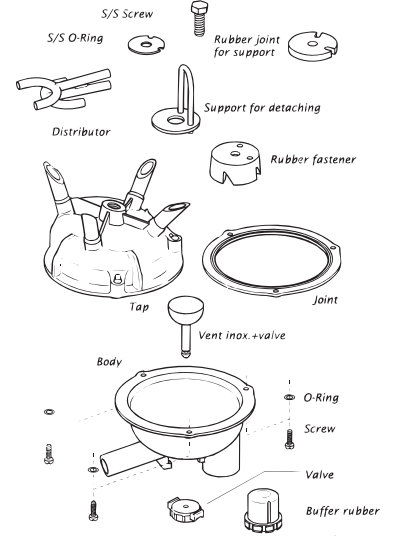
DESCRIPTION	PART#
SS Screw For Top	21116-1
SS Washer For Top	21116-2
Rubber Gasket For Under Washer	21116-3
SS Claw Loop For Top	21116-4
Positioner for Claw Loop For Top	21116-5
Top bowl	21116-6
Rubber bowl gasket	21116-7
Plug shut-off	21116-8
Small Washer	21116-9
Bottom bowl	21117
Small screw	21117-1
Shut-off clip	21117-2
Bumper plug	21117-3

Quick Draw Quarter Claw
Quick Draw without Shut-Off
With Hose and Manifold
Part# 20962

Quick Draw without Shut-Off
Without Hose and Manifold
Part# 20963

Universal™ (Sta-Rite™) Claw Replacement
Part# 20960

Replacement Parts

ITEM	DESCRIPTION	PART#
A	Claw bowl wide nipple	20984
B	Claw bowl narrow nipple	20985
C	Claw bowl gasket	20980
D	New 2 tabbed bowl gasket	20964
	Bail and air fork	20960-1
	Nut for bail and air fork	20961
E	Tidal-Flo style claw bowl	20976
F	Spacer for Tidal-Flo style claw	20977
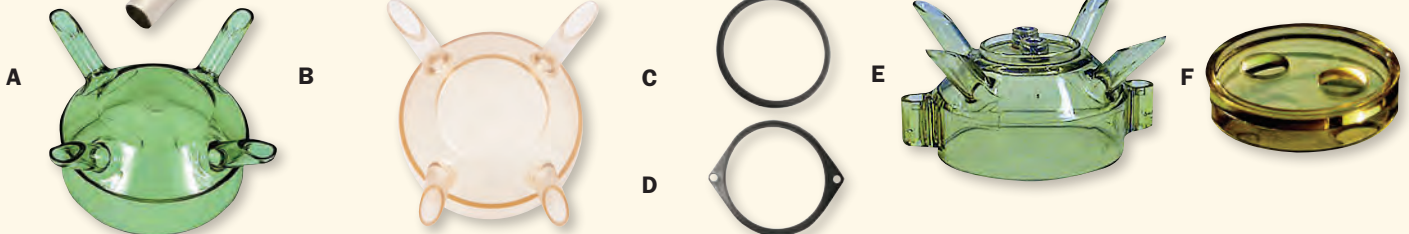
Bou-Matic™ Flo Star™ Standard & Classic Replacement Claw Parts

Complete Flo-Star Claws
(Standard/Classic, with/without valve, Vented/Non-Vented)

DESCRIPTION	PART#
5/8" ID Stdrd. Flo-Star Claw w/ valve, vented	21175
5/8" ID Stdrd. Flo-Star Claw w/o valve, vented	21176
5/8" ID Classic Flo-Star Claw w/ valve, vented	21177
5/8" ID Classic Flo-Star Claw w/o valve, vented	21178
5/8" ID Stdrd. Flo-Star Claw w/ valve, Non-vented	21179
5/8" ID Stdrd. Flo-Star Claw w/o valve, Non-vented	21180
5/8" ID Classic Flo-Star Claw w/ valve, Non-vented	21181
5/8" ID Classic Flo-Star Claw w/o valve, Non-vented	21182

Claw with Valve   **Claw without Valve**

Bou-Matic™ Flo Star™ Standard Replacement Claw Top & Parts

ITEM	DESCRIPTION	PART#
A	Claw bowl (vented)	21150
A	Claw bowl (non-vented)	21151
C	Bowl Gasket for both	21152
D	Small round seal for both	21153
E	Large round seal	21154
H	Spring for both	21155
I	Valve for both	21156
J	Lock for both	21157

Standard Flo Star™ bowl is 2⅞" tall
Uses round gasket

Bou-Matic™ Flo Star™ Classic Replacement Claw Top & Parts

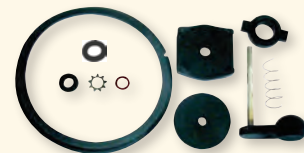| ITEM	DESCRIPTION	PART#
A	Claw bowl (vented)	21159
A	Claw bowl (non-vented)	21160
C	Bowl Gasket for both	21152
D	Small round seal for both	21153
E	Large square seal	21158
H	Spring for both	21155
I	Valve for both	21156
J	Lock for both	21157

Classic Flo Star™ bowl is 2¼" tall
Uses square gasket

### 9 Piece Replacement Kit w/Valve
Part# 21148
Includes: Valve spring, small center seal, bowl gasket, shutoff valve, shutoff clip, top seal for standard, top seal for classic, bumper "O" ring, and star washer for hanger.

6 Piece Replacement Kit w/o Valve
Part# 21149
Includes: Small center seal, bowl gasket, top seal for standard, top seal for classic, bumper "O" ring, and star washer for hanger
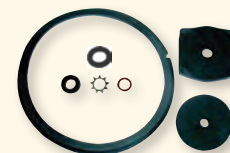
Bou-Matic™ Flo Star™ Replacement Valve Kit
Part# 21161

DESCRIPTION	PART#
Valve handle	21161-1
Nut for claw valve	21161-2
Washer for claw valve	21161-3
Spring for claw valve	21161-4
Stainless top knob	21161-5
Star lock washer - top knob	21161-6
Sleeve for shutoff	21161-7

AktivPuls™ Silicone-Pro Milking

Silicone-Pro and ActivPuls™ Features:
Silicone-Pro gives up to 7,000 milkings. Low Operational costs with silicone, only have to replace the short milking tubes often.
Meets FDA CFR 21 1.77.2600 (USA)
High-tech silicone quality with Smart-Air integrated vacuum control and excellent self-cleaning. No special Jetter-cup for cleaning required.
Clear cap for Liner monitoring and functionality checking.
Designed to give controlled massage no matter the teat length. Has 7 asymmetric zones to massage individual, different teat lengths.

AktivPuls™ Silicone-Pro Milking Parts

DESCRIPTION	PART#
AktivPuls Silicone-Pro Milking Unit Complete	20820
AktivPuls Silicone-Pro Liner "M", w/o milk-flow monitor	20823
AktivPuls Silicone-Pro Liners with Clear-Cap	20824
AktivPuls Silicone-Pro Short Milk Tube	20825
AktivPuls Silicone-Pro Visi Clear	20826
AktivPuls End Cover Bulli Claw	20827
AktivPuls End Cover Bulli Claw With Milk	20828
AktivPuls Air Fork Distributor	20829
AktivPuls Service Kit Bulli Claw	20830
AktivPuls Teat Cup Shell	20831

AktivPuls™ Claw and Liners
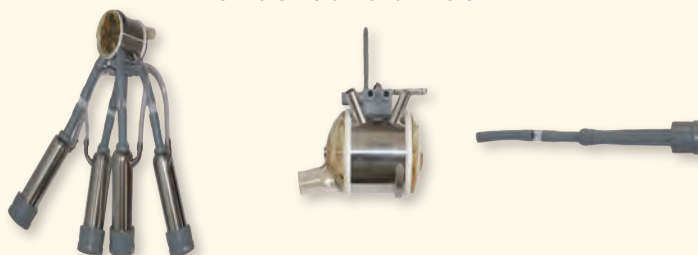
Goat and Sheep Milking Units

G&S Point Claw
Part# 20855

PARTS

DESCRIPTION	PART#
Cover	20855-1
"O"-Ring	20855-2
Bolt	20855-3
Joint Section	20855-4
Plastic Top	20855-5
Inside Bolt Gasket	20855-6
Plastic - 4 Hole Hanger	20855-7
Vacuum "Y" Connection	20868
¼" and ⁹⁄₃₂"	
Milk "Y" W/ Hose Support	20869
⅜" × ½"	
Milk "Y"	20872
⅝" × ½"	
Hose Bracket	20875

G&S Auto-Valve Claw
(Claw Only) - Part# 20858

PARTS

DESCRIPTION	PART#
Bowl	20858-1
Bottom Bumper	20858-2
Lifting Lever	20858-3
Floating Valve	20858-4

G&S New Auto-Valve Claw
(Claw Only) - **Part# 20850**

PARTS

DESCRIPTION	PART#
Top part w/valve	20850-1
Bottom plug cap	20850-2
Exterior gasket	20850-3
Valve center	20850-4
Interior gasket	20850-5
SS washing valve w/o	20850-6

Ultra Milk System for Goats
Part# 20853

Parts

DESCRIPTION	PART#
Inflation (goats)	20854
Shell	20851-1
Middle body air bleed	20851-2
Diaphragm	20851-3
Bottom button (Internal)	20851-4
Rubber bottom bumper	20851-5
Air bleed cap	20851-6
Rubber shutoff w/stem	20851-7
Middle body housing	20851-8
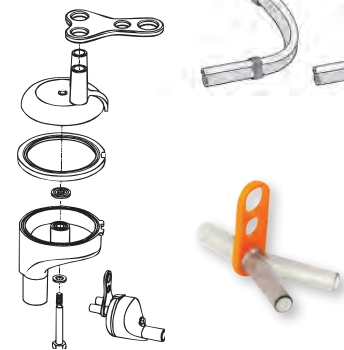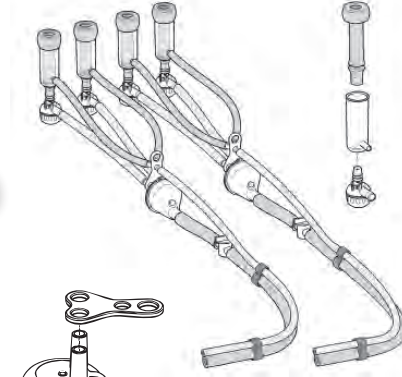
Stainless 90° 1/2" Adapter
Part# 20859

Goat Window Claw
Parts Only

DESCRIPTION	PART#
Window	21114
Gasket	21115

DV Goat Claw
Part# 20979

Plastic Shell
for Goat Milking
Part# 20870
Use With Part# 20871

Plastic Shell
for Goat Milking
Part# 20873
Use With Part# 20871

Silicone Liner
for Goat Milking
Part# 20871

Plastic Shell
for Goat & Sheep Milking
Part# 20865
Use With Part# 20866
Or #20867 Or #20874

Silicone Short Liner
for Sheep Milking
Part# 20866

Silicone Liner
for Goat Milking
Part# 20874

Silicone Long Liner
for Sheep Milking
Part# 20867

Safgard™ Stainless Steel Milker Shells

Replacement for DeLaval™ 06D Shell With SS Rolled Edge Part# 11397

Replacement for DeLaval™ 03 Shell Part# 11390

SS Ring for 03 Shell Part# 11396

Replacement for Bou-Matic™ Shell Part# 11395

Replacement for Surge™ Jet Flow™ Shell Part# 11394

Safgard™ Plastic Milker Shells

Replacement for Universal™ Shell Part# 11398

Transflow Shell Part# 10195

Plastic 03 Shell Part# 11408

Plastic 03 Ring Part# 11407

Weight only for 03 Shell Part# 11409

Hose Bundle Rings

DESCRIPTION	PART#
Silicone	45944
Nitrile	45945

Plastic Milk & Air Tubing Divider Hanger Clip For Hose
n Holds ¼" or 9/32" Twin Hose & Milk Hose
Part# 45946

Safgard™ Classic Shut-Off Valves

- FDA Approved
- Positive Stop
- For ⅝" ID hose

Classic Delrin Valve

DESCRIPTION	PART#
Vented valve	46850
Non-vented valve	46851
New External "O" ring	46858
Viton "O" ring for valve	46856
Tab retainer for Delrin & Surge™ valve	46857

Classic All Stainless Steel Valve

DESCRIPTION	PART#
SS vented	46852
SS non-vented	46853
"O" ring Tesa™	46856-1
Tabbed bottom Tesa™	46857-1
Small "O" ring 9/16" shut-off	46873
Large "O" ring ¾" shut-off	46874
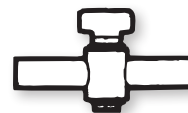
Plastic Hose Shut-Off Valve

DESCRIPTION	PART#
Plastic non-vented for ⅝" hose	46829
Plastic vented for ⅝" hose	46828
"O" ring for plastic shut-off	46875
Tabbed Retainer	46872

"Squeeze-It"
Stainless Steel Hose Clamp
⅝" hose clamp
Part# 42692

Big Hose Plastic Squeeze Clamp
Fits up to ⅞" ID Hose
Part# 42690

Milky Sway™ Swivel Part# 20952
- Eliminates twist in milker hose
- Keeps milking unit balanced & aligned
- Fits both ⅝" and 9/16" hose
- 12 per case

Milk Hose Support Spring
Can be placed over milk hose to prevent restriction if bend in hose is necessary.
For ⅝" hose   Part# 45920

Claw Hanger
For SafGard™, Bou-Matic™, Surge™
Part# 46830

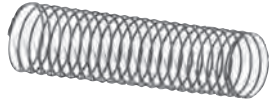## 1¼" Bulldog Clamp
(For #46830 hanger)
Part# 46104

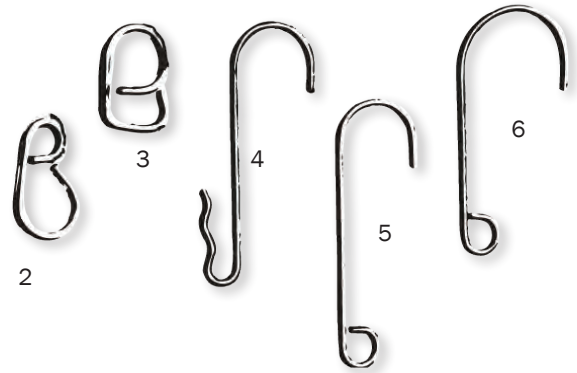## For DeLaval™
Part# 46831

Stainless Steel Hose Supports

DESCRIPTION	PART#
2⅜"Pipe Support	21042
Delrin side block (sold each)	21041-1
Reverse bend herringbone	21045

Stainless Steel Adjustable Curb Hose Positioner for Parallel Parlors
Part# 21047

Spherical Style Hose Positioner With Mounting Kit (Mounts to Curb)
5/8" Hose Part# 21051
3/4" Hose Part# 21051-1

Stainless Steel Pipeline Hose Tenders

DESCRIPTION	PART#
2 - 101 Hose clamp-Single Puls Hose & ⅝" Milk Hose	46076
3 - 201 Hose clamp-Twin Puls Hose & ⅝" Milk Hose	46077
4 - 2" Double loop hose adj. hook	46078
5 - 2" Single loop hose adj. hook	46079
6 - 3" Single loop hose adj. hook	46101

S Tube Milk Tube Extensions
• All stainless steel construction
• To milk wide uddered cows
• ⅜" ID

Part# 21129
2 per set required
(Sold as each, not set)

Hose Support Arms
Now Available for 2⅜" Pipe
Long Wearing Nylon Ball. The best...easiest to use for milking parlors.
20" - Unit complete   Part# 21030
24" - Unit complete   Part# 21029

DESCRIPTION	PART#
Clamp set to enclose ball	21032
Nylon ball	21033
Clamp for rail	21034
Complete knuckle assy. less arm	21037
20" Arm only	21031
24" Arm only	21039
MH-213 Clamp w/spacer (1⅝")	21032-1
MHS-215 Clamp w/spacer (2⅜")	21032-2
MHS-218 Star Washer	21032-3

Poly Block Parallel Hose Positioner

DESCRIPTION	PART#
Positioner for round edged curb	21048
Positioner for formed edged curb	21049
Rubber insert for both	21048-1

Parallel Parlor Plate Style Hose Positioner w/1" Hole
Part# 21050
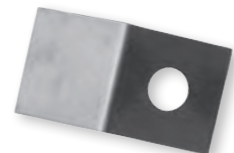
Safgard™ Tuned Port Pulsator With Fresh Air

Part# 23057
Less is more!! Ultra-modern design uses up to 33% less wattage than previous models. With no redundant gaskets or fittings to deal with, the tuned port pulsator can be fitted with a new service kit in less than three minutes, saving a great amount of time during scheduled maintenance. Tuned port pulsators can be micro-adjusted to satisfy any liner shell combination.

PARTS FOR TUNED PORT PULSATOR

Inlet Nozzle
Part# 23055-1

Line Seal
Part# 23055-2

Top Cover Black
Part# 23055-4

Top Cover Red
Part# 23055-5

Piston Assembly
Part# 23078-9

Cable Assembly
Part# 23055-8

Will work with any brand 24V DC pulsation control.
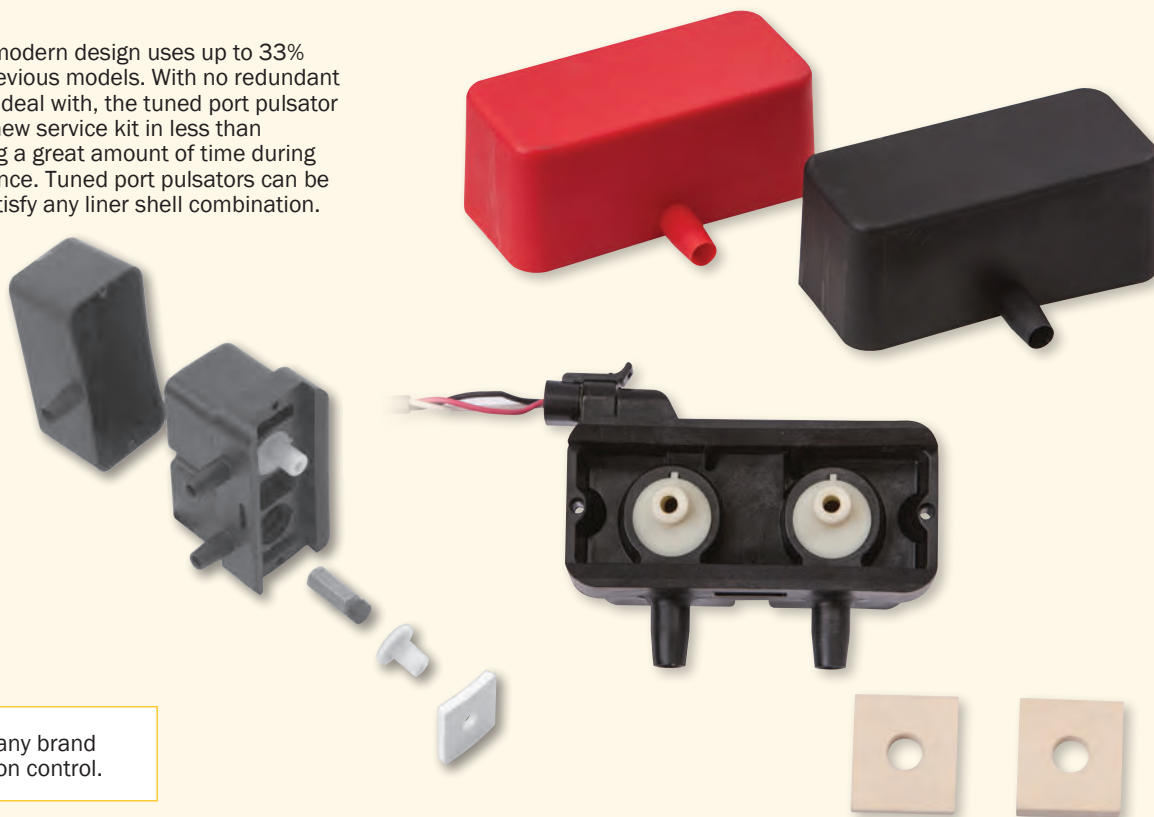
Safgard™ Puls-Matic Electric Pulsators

Safgard™ PULS-MATIC PULSATORS

• Improved power consumption
• Improved exhaust porting
• Strong electrical contacts
• Additional parts listed on page 128

Direct Mount Puls-Matic Electric Pulsator Part# 23060

Direct Mount Puls-Matic Electric Pulsator With Fresh Air Part# 23061

Puls-Matic Electric Pulsator (Stall-cock model) Part# 23066

Puls-Matic Electric Pulsator With Fresh Air (Stall-cock model) Part# 23062

PARTS

DESCRIPTION	PART#
Red replacement coil only (24 - Volt)	23076
Black replacement coil only (12 - Volt)	23076-1
Pulsator repair kit*	23078
Fresh air kit for pulsator	23079
SS cover without holes	23065
SS cover with holes for fresh air	23065-1
White base assembly complete (for 23066)	23066-2
White base assembly complete (for 23060)	23066-P
Plug cap for bottom nipple	23064
⅞" OD flat gasket O-ring	23078-1
Coil base O-Ring	23078-2
Piston base cap	23078-3
Piston top insert	23078-4
Cleanout plug	23078-6
Bare piston	23078-7
Piston complete with rubbers	23078-9
Plastic threaded plug	23066-4
Permanent Mount shut-off protector	23078-5
Clean out plug for side	23078-6
Fresh air nipple only	23079-1

* Note: Repair kit also fits Bou-Matic™

# Safgard™ Puls-Matic Electric Pulsation Controller Systems

The Safgard digital pulsation controller has built in overload protection. This new digital technology stays in adjustment with no drift due to temperature or humidity, an ongoing problem in old analog systems. The digital pulsation board will fit into most existing systems for updates. Will operate 12 direct-acting 24-volt DC pulsators. *See wiring diagram on page 128.*

PULSATION CONTROLLER
Complete (1-12 units)
Part# 23068

- Digitally driven pulsation controls
- Works with all 24 volt DC, direct acting pulsators
  Such as Beco™, Bou-Matic™, Safgard™, Strangko™, Surge™
- Sixteen pulsation ratio selections
- Rates from 40-150 PPM
- Provides self diagnosis to identify short circuits on drive line
- Operates up to 12 units
- Follow all state & local electrical codes when installing
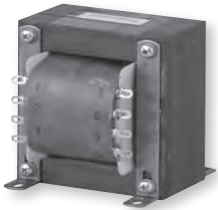
DUAL-VOLTAGE TRANSFORMER ONLY
For 12 Unit Controller. Also fits Bou-Matic™
120 VAC or 240 VAC
Part# 23069
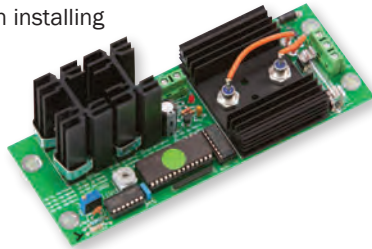
DIGITAL BOARD ONLY
For Controller (1-12 units)
Also fits Bou-Matic™
Part# 23071

Milk-Rest Ratios available are as follows:
(Channel A:Channel B)

1=50/50:50/50	9=63/37:65/35
2=50/50:55/45	A=63/37:68/32
3=55/45:55/45	B=65/35:65/35
4=55/45:60/40	C=65/35:68/32
5=60/40:60/40	D=65/35:70/30
6=60/40:63/37	E=68/32:68/32
7=60/40:65/35	F=68/32:70/30
8=63/37:63/37	0=70/30:70/30

Safgard™ Puls-Matic Stall Cocks

**Puls-Matic Threaded Stall Cock
Part# 23067**

**Strap On Stall Cock
Part# 23072**
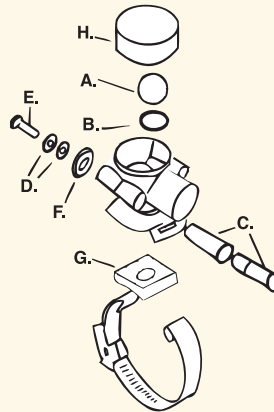
Repair Kit for Stall Cock
Diagram at left includes several additional parts - *not included in kit.
Part# 23077

Stall Cock Parts

DESCRIPTION	PART#
(A) - Poly Ball	23067-2
(B) - Gasket	23067-3
(C) - Inserts	23067-5
(D) - Flat Washers	23067-6
(E) - Screws	23067-7
(F) - Nylon Spacers	23067-8
(H) - Rubber Cap*	23067-1

Strangko™ Pulsators

**Green Strangko™ Stanchion Mount Electric Pulsator
Part# 23066-A**
**Blue Strangko™ Stanchion Mount Electric Pulsator
Part# 23066-B**

**Green Strangko™ Permanent Mount Electric Pulsator
Part# 23063**
**Blue Strangko™ Permanent Mount Electric Pulsator
Part# 23063-1**

Strangko™ Pulsator Parts

DESCRIPTION	PART#
Green replacement coil only	23074
Blue replacement coil only	23074-1
Pulsator repair kit for blue/green pulsator	23073
(Does Not Fit Safgard™ or Bou-Matic™ Pulsators) Fresh air kit for blue/green pulsator	23075

Surge™ Electric Pulsation Replacement

**Surge™ Electric
Parlor Mount
Replacement Pulsator**

Part# 23035

**Surge™ Electric
Parlor Mount w/ Fresh Air
Replacement Pulsator**

Part# 23036

DESCRIPTION	PART#
Parlor style pulsator base	23037
Side contact pin for parlor pulsator	23037-1
Fresh air cover for parlor pulsator	23037-2
Blank cover for parlor pulsator	23037-3
Pulsator repair kit	23048
Black coil replacement for pulsator	23038

**Surge™ Electric
Square Stallcock Mount
Replacement Pulsator**

Part# 23039

**Surge™ Electric
Round Stallcock Mount
Replacement Pulsator**

Part# 23040

DESCRIPTION	PART#
Square nipple pulsator base	23039-1
Square nipple pulsator base seal	23039-4
Round nipple pulsator base	23040-1
Round nipple pulsator base seal	23040-3
Side contact pin for square nipple pulsator	23039-2
Side contact pin for round nipple pulsator	23040-2
Blank cover for parlor pulsator	23037-3
Pulsator repair kit	23048
Threaded bottom plug	23039-3
Black coil replacement for pulsator	23038

**Surge™ Pulsator Repair Kit
Part# 23048**
Replacement Surge™ pulsator repair kit. Fits grey and black single-shot and alternating electric pulsators.

**Replacement
Pulsation Board For Surge™
Part# 23050**
• 10 pulsation ratio selections
• 16 adjustable position speeds from 60 to 190 PPM
• Drop-in for existing Surge™ Board
• Built-in overload protection
• Runs 12 Pulsators
• With Short Circuit Protection
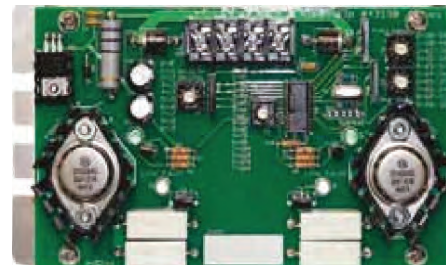
Surge™ Pulsator Replacement Parts
Pulsator Repair Kit Complete - Part# 10503
Consisting of:
• 4 - 203SE Piston Leathers
• 4 - 206SE Piston Leather Expanders
• 2 - 204SE Cylinder Gaskets
• 1 - 213SE Reg. Screw Lock Washer
• 1 - 205SEB "O" Ring

ITEM	DESCRIPTION	MFG. #	PART#
27	206SE - Piston Leather Expander	10314	10544
31	204SE - Cylinder Gasket	10331	10504
34	213SE - Regulating Screw Lock Washer	10322	10520
35	216SE - Regulating Screw Lock Nut	10323	10516

**DeLaval™ Replacement Repair Parts
For Hp™ 100 & Hp™ 102 Pulsator**
Diaphragm   Part#23044
Plate Gasket   Part#23045

**Pulsator Oil
Part# 48013**

**Universal™ Replacement
Repair Parts For Pulsators
Part#23046**
5 piece repair kit for model 87, 5000, or 6000
Kit includes:
• 2 piston assemblies
• 2 teardrop gaskets
• 1 stallcock seal

DeLaval™ Delatron™ Replacement Pulsators

DeLaval™ Delatron™ Replacement Pulsator
12 Volt W/O Card - Part# 47040
24 Volt W/O Card - Part# 47041
12 Volt With Card - Part# 47042
24 Volt With Card - Part# 47043

DeLaval™ Delatron™ Replacement Parts

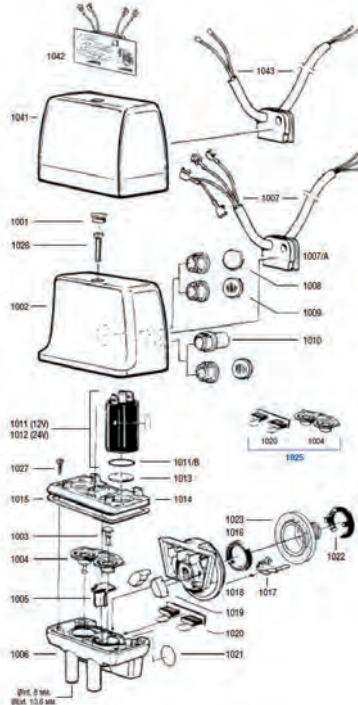| ITEM	PART#	DESCRIPTION
1001	47041-A	Top cap screw cover
1026	47041-B	Screw only for cap
1002	47041-C	Cover only w/o electronic card
1003	47041-D	Piston only
1004	47041-E	Diaphragm
1005	47041-F	Cover for base body
1006	47041-G	Base body only
1007	47041-H	Connection wiring w/o card
1007-A	47041-I	Wire entry connection fitting
1008	47041-J	Side cap w/o grid
1009	47041-K	Side cap with grid
1010	47041-L	Side filtration intake
1011	47041-M	Coil 12V without O-ring
1012	47041-N	Coil 24V without O-ring
1013	47041-P	Rubber disk fitting
1014	47041-Q	Pulsator base
1015	47041-R	Silicone outer gasket
1016	47041-S	Connection gasket to adapter
1019	47041-T	Rubber bumper
1020	47041-U	Air entry valve
1021	47041-V	Interior silicone gasket
1022	47041-W	Anti-rotational bumper
1017	47041-X	Seal Blocker
1018	47041-Y	Outlet hook bayonet
1027	47041-Z	Screw for base
1041	47042-A	Cover for programmable unit
1042	47042-B	Electronic board 12/24 Volt

Pulsochecker Electronic Pulsation System
Pulsochecker Pulsator With Stallcock
Part# 47190

ITEM	PART#	DESCRIPTION
1	47170-3	Black clean air cup
2	47170	Air filter-yellow
	47170-1	Fresh Air filter-yellow-old
	47170-2	Air filter w/holes
3	47182	Pulse monitor holder
4	47183	Pulse monitor piston
5	47184	Pulse monitor tube
6	47173	Pulsator cover-blue
7	47185	Housing gasket
8	47181	Printed circuit board
9	47187	Magnet O ring - upper
10	47171-1	Base assembly-green
11	47172	Housing clamps-yellow
12	47171-2	Cover bolts set of 4
14	47180	Piston rubber - upper
15	47178	SS piston including rubbers
16	47179	Piston rubber - lower
17	47176	Manifold O ring - internal
18	47177	Manifold (Y shape) blue
19	47175	External Manifold O ring
20	47177-2	Rubber cup for manifold
21	47191-6	Stallcock cap-green
	47191-7	Stallcock cap-blue
22	47191-3	Stallcock cap O-ring
23	47191-2	Vacuum valve ball
25	47191-4	Vacuum valve-blue
26	47191-5	Locking spring
30	47188	Pulsator cable 2-meters
*	47187	Cover gasket - int (blue)

DeLaval™ Delatron™ Replacement
Plastic Top & Vents
With Rubber Parts
Part# 47128

DeLaval™ Delatron™ Replacement
Kit for New Style Pulsator
Part# 47126
Parts include:
• 1 rubber diaphragm w 2 white axles
• 1 rubber diaphragm with flappers
• 5 base plate screws
• 2 coil "O" rings
• 1 base mount "O" ring

DeLaval™ Delatron™ Replacement
Kit for Old Style Pulsator
Part# 47127
Parts include:
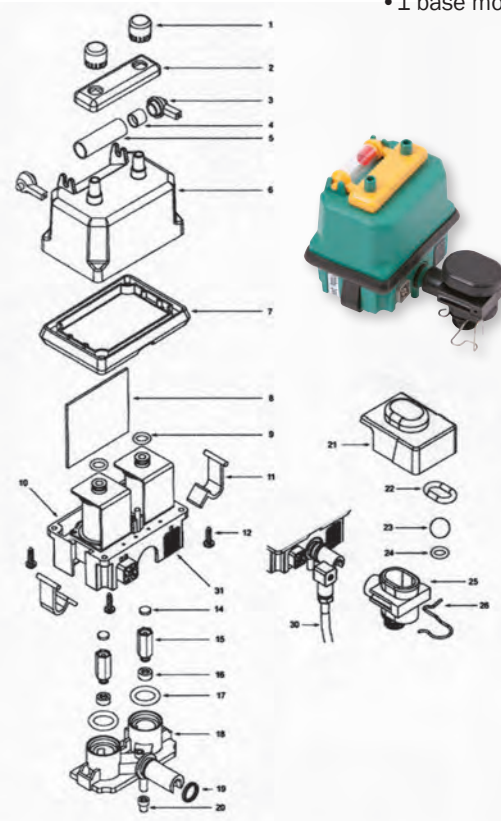• 1 rubber diaphragm with 2 white axles
• 1 rubber diaphragm with flappers
• 5 base plate screws
• 2 coil "O" rings
• 1 base mount "O" ring

Portable Pulso-Tron
Milking System
Std. or flow controlled milking
system designed for stanchions.
Unit integrates Pulsochecker with
microcomputer, Milk Flow Sensor,
SS hanging frame, and electrical &
vacuum connections.

Portable Pulso-Tron
Part# 47130

Power Control Box
Part# 47192

Safgard™ Fresh Air Filter

Part# 23080
- Fresh air filter attaches to 3" PVC
- Keeps pulsator functioning properly
- Prevents dust & insects from entering line
- One filter per 10 pulsators recommended

Filter Replacement Cartridge
Part# 47289

Quarter Milker
Part# 48525

The QUARTER MILKER intercepts the milk between the cow's teat and the milking claw. The other three quarters can be collected in the usual way. The one gallon capacity and unique shape ensure stability.

Replacement Cover
Part# 48525-1
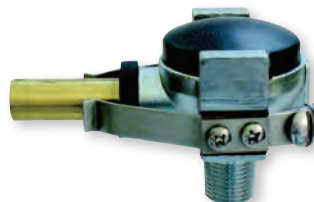
½" SS 90°
Part# 20859

Uses ⁷⁄₁₆" Hose

Fresh Air Nipple Only (Fits Both Pulsators)
Part# 23079-1

Fresh Air Kit Complete

TO FIT	PART#
Bou-Matic™	23079
Puls-Matic™	23079
Westfalia™	23075
Beco™	23075
Strangko™	23075

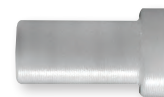**Kit contains:**
2 Nipple adapters
2 Elbows (90˚, ⅜" hose × ¼" NPT)
2 Hoses (⅜" × 18")
Pulsator cover (For Part# 23075 Only)

Electric Stall Cock
Replacement for DeLaval™
Single Shot **Part# 45271**
Alternating Pulsation **Part# 45271-A**

Plastic Ferrule
For above unit for automatic hose attachment.
Part# 46265

Straight Stall Cock

SIZE	PART#
½"	45490
⅜"	45491

Angle Stall Cock

SIZE	PART#
½"	45492
⅜"	45493

SENTINEL™ DIGIMET 3000
with Battery Pack, Printer and Case

Digimet 3000 **Part# 47248**
Digimet 3000 w/battery pack printer and case **Part# 47248-1**

The Digimet 3000 enables the user to store, recall and then upload or print data. From any of the four functions (Vacuum Level, Pulsator Ratio, Milk/Rest Ratio or Pulsation Electronic), the user will be able to upload/print data on individual items. Also from each of the pneumatic functions the user can save five 10-second wave forms. In addition,in the Utility Menu, the user can upload/print all stored data at one time.

The Digimet 3000 is a 5-key, hand-held, battery operated, microprocessor-based vacuum and pulsation multi-function meter for measuring vacuum level characteristics and pulsation attributes in the dairy milking system. Use the Digimet 3000 to spot-check critical variables within the milking system. With the Digimet 3000, you can store data and recall it at a later time. The Digimet 3000's stored data can be either viewed on its LCD screen, up-loaded to a computer or printed to the Digimet Printer. By monitoring vacuum levels, pulsator ratios, milk/rest ratios and pulsation electronics, the Digimet 3000 can evaluate system performance and improve milking efficiency.

Now you can pre-set high and low values for different milk-rest phases, allowing an instant alarm to potential problems or units operating incorrectly. The Digimet 3000 display will blink to warn the operator of a unit functioning outside the normal or desired working range.

Interpuls™ Pulsators

Interpuls™ Pulsator L 80
60:40 Pulsator - Part# 47082
70:30 Pulsator - Part# 47083

• Variable speed
• Works on DeLaval™, Bou-Matic™,
  Westfalia™ and Surge™ Buckets
• Works well on pipeline systems
• No lubrication or fluid needed

Interpuls™ Pulsator L 90
60:40 Pulsator - Part# 47075
70:30 Pulsator - Part# 47076
With Better Filtration

Parts For Super-Puls II & L80 Interpuls™

DESCRIPTION	PART#
Housing (1431)	47091
Side Cover screw (1404)	47092
Top cover screw (1406)	47093
Base plate (1407)	47094
Gasket for base plate (1408)	47095
Screw for base plate (1409)	47096
Filter (1440)	47097
Slide for 60:40 (1412)	47098
Slide for 70:30 (1412)	47099
Main Diaphragm plate (1411)	47100
Diaphragm (1415)	47102
Slide holder (bringer) (1413)	47103
Shaft for slide holder (1414)	47104
Pilot valve diaphragm (1416)	47105
Pilot slide - top part (1418)	47106
Pilot slide - bottom part (1417)	47107
Pilot shaft (1449)	47108
Valve for speed control (1420)	47109
Sealing "O" ring (1421)	47110
Key for speed control	47112
Top cover (1435)	47113
Cover - left side (1432)	47115
Cover - right side (1433)	47116
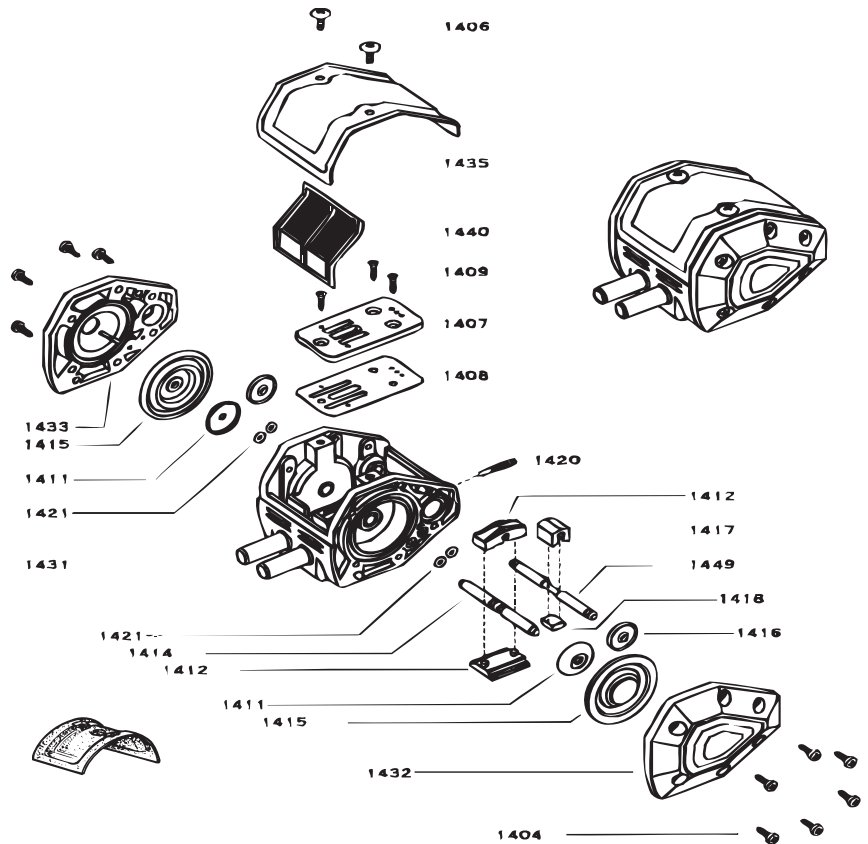
L90 Interpuls™ Parts

DESCRIPTION	PART#
Filter for L90	47097-1

Super-Puls II Pneumatic Pulsator
Part# 47125
• 60:40 Pulsator ratio
• Adjustable rate
• Easily maintained
• No lubrication or fluid needed
• Similar design to Interpuls™

Brk Pneumatic Pulsator
Part# 47080
• 60:40 Pulsator ratio
• Adjustable rate
• 100% generic copy of
  Interpuls™

Super-Puls II, Brk, Interpuls™ Adapters

Permanent Mount Adapter
Part# 47088

**DeLaval™ Electric
Stallcock Adapter
Part# 47117**

**Old Style Tapered
Stallcock Adapter
Part# 47089**

**Westfalia™ Bucket
Lid Adapter
Part# 47081**

**Std. DeLaval™
Bucket For Interpuls
Part# 47085**
• Check valve Part# 47085-1
• Chamber gasket Part# 48509

**DeLaval™ Bucket Repl.
For HP™ 100/102
Part# 48507**
• Check valve Part# 48508
• Chamber gasket Part# 48509

**DeLaval™ DV300™
Adapter Replacement
Part# 47084**

**Universal™
Style Handle
Part# 47121**

**Bou-Matic™
Bucket Adapter
Part# 47086**

**Surge™ Round Nipple
Stallcock Adapter
Part# 47119**

**Surge™ Square Nipple
Stallcock Adapter
Part# 47078**

**Sta-Rite™
Stallcock Adapter
Part# 47118**

**10 Gal. SS Milk Can
w/Mushroom Cover
Part# 48532**

**90 Lb SS Milk Can
w/Toggle Style
Clamp & Cover
Part# 48533**

**40 Qt. SS Milk Can
With Cover
Part# 48530**

**SS Cover Only
Part# 48531**

Strip Cups

DESCRIPTION	PART#
Cup with black top	44080
Black top only	44081
Cup only	44084

Aluminum Milk Pails

SIZE	ITEM	PART#
4 qt.	2834-D	46527
(4 per case)		

SS Milk Carrying Cans with Lids

DESCRIPTION	PART#
2 Quart	46520
5 Quart	46521
10 Quart	46522

Milk Can Carts

UNIT	DESCRIPTION	PART#
75	10 gal. can	21800
75A	8 gal. can	21801
75D	2 × 10 gal. cans	21802
75AD	2 × 8 gal. cans	21803
All	8" Wheel	25525

Standard Mobile Milker

Large 10" tires. American made Conde pumps are extremely quiet and durable. Unit directly plugs into a 20 amp, 110 volt outlet. Ships by truck, fully assembled. Both units are approximately 24" wide. ¾ HP weighs 90 pounds. ½ HP weighs 140 pounds.

Standard ¾ HP Electric Systems
(Less Milking Unit)
Part# 48520

Standard 1½ HP Electric Systems
(Less Milking Unit)
Part# 48527

Cow Milking Unit
Part# 48520-1

All Milking Units Include:
70 lb. stainless steel pail, cover and gasket, moisture trap, vacuum regulator and pneumatic pulsator. Goat and cow milking units come as complete systems.

2 Goat Milking Unit
Part# 48520-2

Safgard™ Portable Milker Systems

Available with: 1.5 HP electric motor. Soft pneumatic tires and wheels combine with roller bearings to make moving from point to point effortless. Several bucket and milker combinations are available for your specific needs.

All Units Include:
30 liter stainless steel pail, cover and gasket, moisture trap, vacuum regulator and pneumatic pulsator. Goat and cow milking units come as complete systems.

Standard 1.5 HP Electric Systems		Standard 3.5 HP Gasoline Systems	
DESCRIPTION	PART#	DESCRIPTION	PART#
For Cows	48518	For Cows	48517
For Goats	48518-1	For Goats	48517-1

Additional Parts

DESCRIPTION	PART#
Large wheels	48518-3
Pump only	48519-1
1.5 HP Motor	48519-2
Lovejoy coupling	48519-3
¾" Muffler	48519-4
PVC tank	48519-5

Safgard™ Bucket Milker Systems

60 Lb - 30 Liter SS Milker Pail Assembly
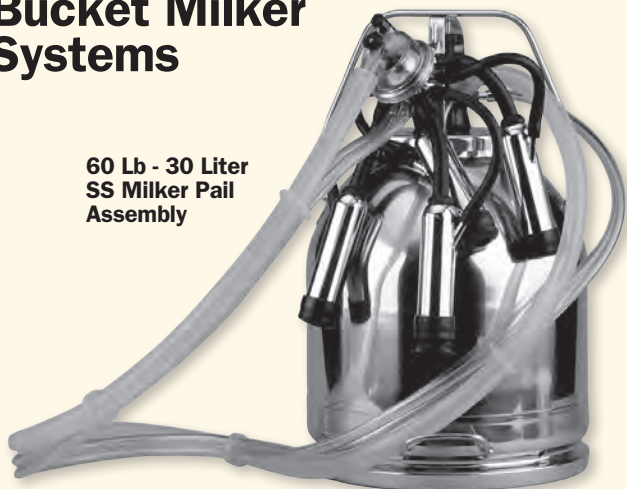
Durable 30 liter stainless steel pail system includes: Bucket, lid, mounted alternating pneumatic pulsator, bumper DV flow claw with automatic shut-off, 06 style shells and all accessories required for milking. An excellent basic system with value and dependability.

For Cows: Part# 48526

QTY.	ITEM	DESCRIPTION
1	20950	Flow claw with rubber bumper
4	11391	Safgard™ 06 shells
1	47125	Super-Puls II pulsator
1	47085	Lid Adapter
1	48500	30 Liter - 60 lb. milker pail
1	48505	Stainless steel lid w/ gasket
4	11336	Air tubes
4	11305	Safgard™ 01 inflations
6'	45907	⅝" Milk Hose
6'	46052	⁹⁄₃₂" Twin black vacuum hose
8'	46035	⁷⁄₁₆" Single vacuum supply hose

For Goats: Part# 48523
Same as above list of materials except:

QTY.	ITEM	DESCRIPTION
1	20855	G&S point claw
2	20870	Plastic shells
2	20871	Silicone liners

Long Handle Westfalia™ Replacement Cover With Gasket
Part# 48510

DESCRIPTION	PART#
Screw only for base on lid	48511
Gasket (O-ring) only for base on lid	48512
Pulsator base only for lid	48513
Plug only for lid	48514
Ball only for lid	48515
Y-Lon plastic for lid	48516

Short Handle DeLaval™ Cover Replacement With Gasket
Part# 48505

REPLACEMENT PARTS	PART#
Plastic handwheel for lid	48506
Valve housing adapter for lid	48507
Non-return valve for lid	48508
Gasket for valve housing for lid	48509
Interpuls pulsator adapter for cover	47085

Stainless & Plastic Milk Pails

DESCRIPTION	SIZE	PART#
Stainless Steel	35 lb. long handle	48503
Stainless Steel	35 lb. short handle	48503-A
Stainless Steel	65 lb. long handle	48500
Stainless Steel	65 lb. short handle	48500-A
Stainless Steel	80 lb. long handle	48501
Stainless Steel	80 lb. short handle	48501-A
Plastic	68 lb. long handle	48522
Plastic	68 lb. short handle	48522-2

Stainless Steel Fresh Cow Cover With Gasket
Long Handle Cover w/⅝" Nipples
Part# 48502

Long Handle Cover w/¾" Nipples
Part# 48502-2

Short Handle Cover w/⅝" Nipples
Part# 48502-A
Gaskets for all SS covers
Part# 48504

Replacement Cover w/2 Nipples For Goat Milker
Part# 48505-2

Plastic Fresh Cow Cover with Wrap Around Gasket
Part# 48498
Gasket for fresh cow cover
Part# 48499-1

Blue Plastic Fresh Cow Cover with Gasket
Part# 48498-2
Gasket for fresh cow cover
Part# 48499

Claws Pulsation & Milking Components

DeLaval™
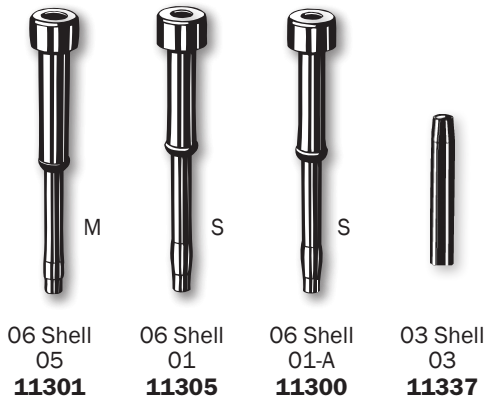
06 Shell 05 M
11301

06 Shell 01 S
11305

06 Shell 01-A S
11300

03 Shell 03
11337

Nu-Pulse™

NP-16
11380

Alfa-Laval™

960000-01
11340

Conde Hinman™

NB NBSC
11308

Universal™ Sta-rite™

Visible 20303 M
11328

Visible IU-282 S
11329

Surge™ – GEA™

Small FD-1 S
11355

JF JF-1 S
11318

JF JF-48 S
11384

Maes™

No Rings Regular AS-Medium
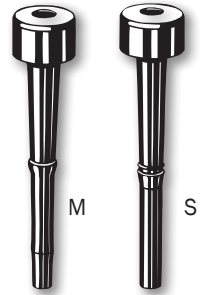**11323**

Chore Boy™

KF S
11296

L623N S
11298

Bou-Matic™

BOU-MATIC™ SHELL L623N
11298

BOU-MATIC™ SHELL 1B-R1C
11309

SILICONE 03 INFLATIONS 03AC Liner **Part# 11412**

SILICONE 03 INFLATIONS 03BS Liner **Part# 11410**

Goat and Sheep Inflations

Silicone Liner for Goat Milking Part# 20871

Silicone Liner for Goat Milking Part# 20874

Silicone Long Liner for Sheep Milking Part# 20867

Silicone Short Liner for Sheep Milking Part# 20866

Safgard™ Molded Rubber Air Tube Replacements
Sold in Bulk (100/box)

BRAND	TYPE	SIZE	PART#
Surge™	1031	³⁄₁₆" ID × 8"	11335
Universal™, Chore-Boy™	1027	¼" ID × 6½"	11331
Bou-Matic™, Perfection™	1028	¼" ID × 7½"	11332
DeLaval™	1030	¼" ID × 9"	11333
	1033	⁹⁄₃₂" ID × 7½"	11336
	1034	⁹⁄₃₂" ID × 9"	11339

Safgard™ Everlast Plastic Air Tubes
⁹⁄₃₂" × 9" BLK Part# 11041
⁹⁄₃₂" × 9" CLR Part# 11042

1020 MILK TUBE
Connects shell to claw for IBA™ & Bou-Matic™ shells with short liners. Part# 11370

Safgard™ Pail Lid Replacement Gaskets

BRAND	DESCRIPTION	SIZE	PART#
Surge™	1047 Regular	6⅜" I.D. × 7⅞" O.D.	11314
DeLaval™	1041 Current	6¼" × 7³¹⁄₃₂"	11315
	1043	6⁵⁄₃₂" × 7¹³⁄₃₂"	11316
Perfection™	1047 Regular	6⅜" × 7⅞"	11314
	1046 Twin Lips	6⅜" × 7⅞"	11338
Universal™	1044 Inside 122	6¾" × 7⅞"	11361
	1045 Outside 101	6⅛" × 7⅜"	11362
Bou-Matic™	1047 Bucket	6⅜" × 7⅞"	11314
	5225 Claw	6½" × 8"	11346
Conde™	1039 Flat style	6¹¹⁄₁₆" × 7¹¹⁄₁₆"	11321
Chore-Boy™	1047 Suspended	6⅜" × 7⅞"	11314
McCormick™	1040 Large	8½" × 9¼"	11366
Riteway™	1045 Floor	6⅛" × 7⅜"	11362

Milk Easy inflation adapter

Description
The Milk Easy adapter goes on the top of the inflation Improving milk-out on slow quarters. Reduces teat end damage by keeping the sphincter muscle in the upper part of the liner.

Part# 11319
Smaller than 2" For/ DeLaval™, Westfalia™, & IBA™

Part# 11320
Larger than 2" For/ Surge™, Universal™, Bou-Matic™, etc.

TEAT CUP SHUT-OFF
Used to shut off mouthpiece of any teat cup not in use while milking
Part# 11383

Blue Plastic Teat Cup Shut-Off Part# 11376

Inflation Pluggit Shut-Off Part# 11382

Chain Part# 46839

Milky Sway™ Swivel
Part# 20952
- Eliminates twist in milker hose.
- Keeps milking unit balanced and aligned.
- Fits both ⅝" and ⁹⁄₁₆" hose.
- 12 per case.

Hose Dryer

DESCRIPTION	PART#
Brushes (New Style)	25738-1
Brushes (Old Singer)	25740
Brushes (GE)	25729
Knob	27531

Snapper Clamps

SNP#	CRAY#	MIN. IN.	MAX. IN.	PART#
2	10	.351	.394	46080
6	14	.513	.586	46082
10	16	.569	.650	46083
12	18	.616	.707	46084
16	20	.746	.848	46085
18	22	.779	.899	46086
20	24	.859	.989	46087
22	28	.928	1.072	46088
24	--	.985	1.135	46088-1
--	32	1.123	1.405	46089
--	38	1.472	1.862	46090
42	42	1.729	2.021	46091
50	52	1.999	2.277	46093

Connect **Disconnect**

SS Band Clamps

STOCK NO.	INCHES MIN.	MAX.	STANDARD PART#	THUMB SCREW PART#
28	1⁵⁄₁₆"	2¼"	46147	N/A
32	1⁹⁄₁₆"	2½"	46158	N/A
36	1¹³⁄₁₆"	2¾"	46159	N/A
48	2⁹⁄₁₆"	3½"	46149	46149-1
52	2¹³⁄₁₆"	3¾"	46148	N/A
56	3¹⁄₁₆"	4"	46165	46165-1

7310 Extra Wide SS Hose Clamps

MAX. SIZE	PART#
1½"	46150
2"	46152
2¼"	46153
2½"	46154
2¾"	46155
3½"	46145
4"	46157

Safgard™ Black Rubber Dairy Tubing

- Straight cured (prevents coiling)
- Standard package one coil
- 54 Feet Long
- Superior quality tubing made specifically for dairy applications
- Ask about our drop-ship program for quantity discounts.
- Durable non-kink hose designed for commercial applications

SINGLE RUBBER TUBING				
I.D.	O.D.	WALL THICKNESS	SHIPPING WEIGHT	PART#
$\frac{9}{32}$"	$\frac{17}{32}$"	$\frac{1}{8}$"	6	11072
$\frac{1}{2}$"	$\frac{7}{8}$"	$\frac{3}{16}$"	14	11088
$\frac{9}{16}$"	$1\frac{1}{32}$"	$\frac{1}{4}$"	22	11093
$\frac{5}{8}$"	$1\frac{1}{16}$"	$\frac{7}{32}$"	20	11096
1"	$1\frac{3}{8}$"	$\frac{5}{16}$"	30	11098
DOUBLE RUBBER TUBING				
$\frac{1}{4}$"	$\frac{1}{2}$"	$\frac{1}{8}$"		
& $\frac{1}{4}$"	& $\frac{1}{2}$"	--	10	11148
$\frac{9}{32}$"	$\frac{17}{32}$"	$\frac{1}{8}$"		
& $\frac{9}{32}$"	& $\frac{17}{32}$"	--	12	11152

T-100 Hose CUTTER
Cuts through 1" ID
Part# 46098
BT-100 Blade Only
Part# 46098-1

T-200 Hose CUTTER
Cuts hose through 2" ID
Part# 46099
**SSB-200 Blade Only**
Part# 46099-1

Sani-Flo Clear Milk Tubing

- A quality product at the right price
- Meets 3-A and FDA standards.
- Marked every foot so no loss in cutting the tubing!
- Available in 100 ft. and 500 ft. spools.
- Ask about our drop-ship program for quantity discounts.

DESCRIPTION	PART#
$\frac{9}{16}$" × $\frac{15}{16}$"	45931
$\frac{5}{8}$" × 1"	45932
$\frac{9}{32}$" × $\frac{17}{32}$" - Twin Clear	45933
$\frac{1}{4}$" × $\frac{1}{2}$" - Twin Clear	45934

Transflow® Tubing
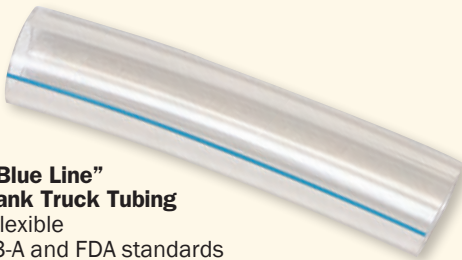
M-34R "Blue Line" Milk & Tank Truck Tubing
- Clear, Flexible
- Meets 3-A and FDA standards
- Long life
- Easy to clean

INCHES		WEIGHT/LBS.		PART#
I.D.	O.D.	100 ft.	500 ft.	
$\frac{7}{16}$"	$\frac{3}{4}$"	20	120	45902
$\frac{1}{2}$"	$\frac{13}{16}$"	22	130	45903
$\frac{9}{16}$"	$\frac{15}{16}$"	26	140	45905
$\frac{5}{8}$"	1"	29	145	45907
$\frac{3}{4}$"	$1\frac{5}{32}$"	38	--	45921
$\frac{7}{8}$"	$1\frac{3}{8}$"	54	--	45911
1"	$1\frac{1}{2}$"	70	--	45924
$1\frac{1}{2}$"	$2\frac{1}{4}$"	135	--	45914
2"	$2\frac{3}{4}$"	40 lb. - 20 ft.		45915
3"	4"	188 lb. - 20 ft.		45918

Vacuum Tubing
- Black with white stripe
- Clear with black stripe
- Outlasts rubber 5 to 1
- Flexible, Lightweight

SINGLE Tubing

INCHES I.D.	O.D.	WGT. LBS. 100 FT.	PART# CLEAR	BLACK
$\frac{1}{4}$"	$\frac{1}{2}$"	9	46021	46001
$\frac{9}{32}$"	$\frac{17}{32}$"	9	46022	46002
$\frac{3}{8}$"	$\frac{5}{8}$"	13	46034	46004
$\frac{7}{16}$"	$\frac{11}{16}$"	14	46035	46005
$\frac{1}{2}$"	$\frac{3}{4}$"	17	46037	46007

TWIN Tubing

INCHES I.D.	O.D.	WGT. LBS. 100 FT.	PART# CLEAR	BLACK
$\frac{1}{4}$"	$\frac{1}{2}$"	20	46061	46051
$\frac{9}{32}$"	$\frac{17}{32}$"	22	46062	46052
$\frac{3}{8}$"	$\frac{5}{8}$"	27	46063	46053

Silicone Transparent Milk & Vacuum Tubing
Sold in 100 ft. coils only

- Completely Unaffected by Temperature
- Silicone tubing is as flexible at -20˚ as it is at +70˚
- Can be used with vacuum or air pinch valves

⁹⁄₃₂" × ¹⁷⁄₃₂" Twin Silicone Tube
Part#45899

⁹⁄₁₆" ID × ¹⁵⁄₁₆" OD Silicone Tube
Part# 45900

⅝" ID × 1" 0D Silicone Tube
Part# 45901

¾" ID × 1⁵⁄₃₂" OD Silicone Tube
Part#45898

⅞" ID × 1⅜" OD Silicone Tube
Part#45897

Rubber Fab™ custom made RF-FDA hose with tri-clamp & bevel-seat fittings. food grade, nitrile lined, seamless.
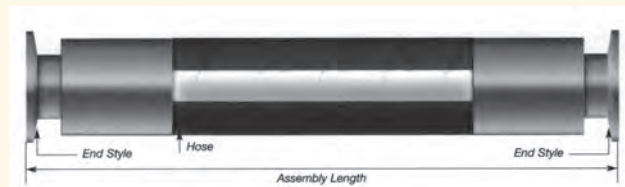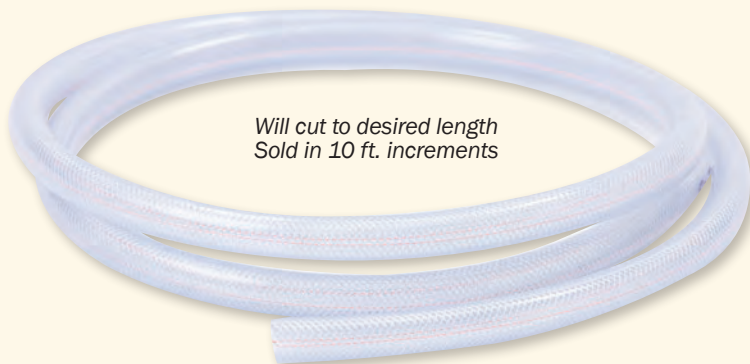
When Ordering: Hose by size, fitting needed (both ends), and hose length. You may combine tri-clamp and bevel seat fittings on the same hose eliminating costly adapters. Contact us for all orders.Temperature -40F-180F. Max working pressure at 70 PSI is 150 for all sizes.

SIZE	DESCRIPTION	PART#
1½"	Tri-clamp fitting	45985
2"	Tri-clamp fitting	45986
3"	Tri-clamp fitting	45988
1½"	Bevel seat w/nut	45990
2"	Bevel seat w/nut	45991
3"	Bevel seat w/nut	45993
1½"	Hose (per foot)	45980
2"	Hose (per foot)	45981
3"	Hose (per foot)	45983

Kuri Tec High Pressure Tubing

- Longitudinally reinforced to reduce elongation under pressure
- Crystal clear polyvinyl chloride
- Reinforced with spiraled polyester cords
- Self extinguishing
- Ozone and atmospheric resistant
- Chemical resistant
- Non-toxic compounds
- Glass smooth interior
- Temperature range 25° F (-4°C) to 150° (65°C)
- Non marking
- Lightweight

| DESCRIPTION	PART#
¼" × ⁷⁄₁₆"	45790
⁵⁄₁₆" × ¹⁷⁄₃₂"	45791
⅜" × ⁹⁄₃₂"	45792
½" × ¾"	45793
⅝" × ⁵⁷⁄₆₄"	45794
¾" × 1¹⁄₃₂"	45795
1" × 1⁵⁄₁₆"	45796
1¼" × 1⅝"	45797
1½" × 1¹⁵⁄₁₆"	45798

Will cut to desired length Sold in 10 ft. increments

Tigerflex PVC Milk Transfer Hose

FEATURES:
- Complies with FDA requirements
- Complies with 3-A Sanitary Standards.
- Designed with a smooth cover and bore for unrestricted flow.
- Clear & flexible with a white color helix.

Will cut to desired length Sold in 10 ft Increments
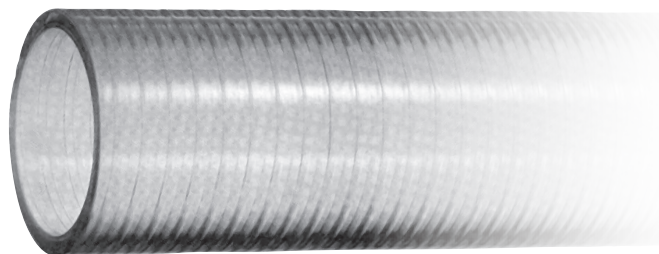
Service Temp:
- Static condition -4˚F to 150˚F
- Dynamic condition 14˚F to 104˚F.

SIZE	PART#
1"	45968
1¼"	45969
1½"	45970
2"	45971
2½"	45972
3"	45973

I.D.	O.D.	WORKING PRESSURE PSI 68˚F	104˚F	VACUUM RATING INCH HG 68˚F	104˚F	MIN. BEND RAD. INCH @68˚F	MAX. LENGTH FT.	APPROX. WEIGHT LBS./100FT
1.5"	1.79"	75	50	FULL	26	4	100	42
2"	2.33"	75	50	28	25	6	100	65
2.5"	3.125"	60	40	28	24	10	100	105
3"	3.42"	55	40	28	24	11	100	114

Safgard™ Receiver Packages

Stainless Steel Standard Floor Receiver Packages

Horizontal Discharge System Complete
Part# 48776

System Includes:
(1) 18" × 18" stainless steel receiver with 1½" ferruled milk outlet,
(1) 3" ferruled trap outlet, (2) 3" ferruled milk inlets, lid and gasket,
(1) 3"stainless steel "U" bend, (1) 3" × 3" 12 quart stainless steel trap,
18" receiver frame with adjustable legs, liquid level control, ¾ HP milk
pump assembly with horizontal discharge. Drain valve and disc valves not
included. Placement of standard milk inlets and outlets as illustrated.

3" Ferruled Milk Inlet

Milk Pump Assy.

3" Ferruled Trap Outlet

3" Ferruled Milk Inlet
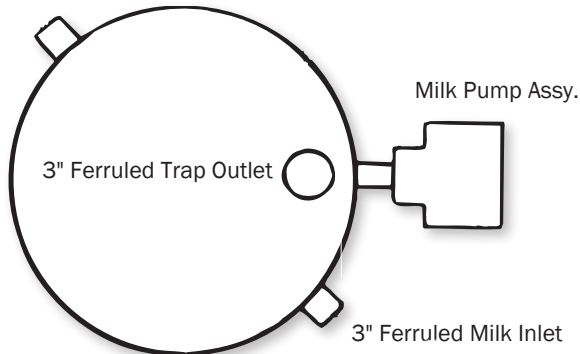
Standard 14" × 18" receiver with inlets 48715-1
Standard 18" × 18" receiver with inlets 48716-1

Stainless Steel Blank Receivers

DESCRIPTION	W/O FERR.	W/ FERR.	TOTAL CAP.
14" × 18" pot (1½" outlet, STD)	48702	48715	12 Gallon
18" × 18" pot (1½" outlet, STD)	48703	48716	16 Gallon
18" × 24" pot (1½" outlet, STD)	48713	48714	26 Gallon
26" × 24" pot (specify outlet)	48797	48798	55 Gallon
26" × 30" pot (specify outlet)	48794	48795	69 Gallon
26" × 36" pot (specify outlet)	48800	48801	82 Gallon
26" × 40" pot (specify outlet)	48802	48803	96 Gallon
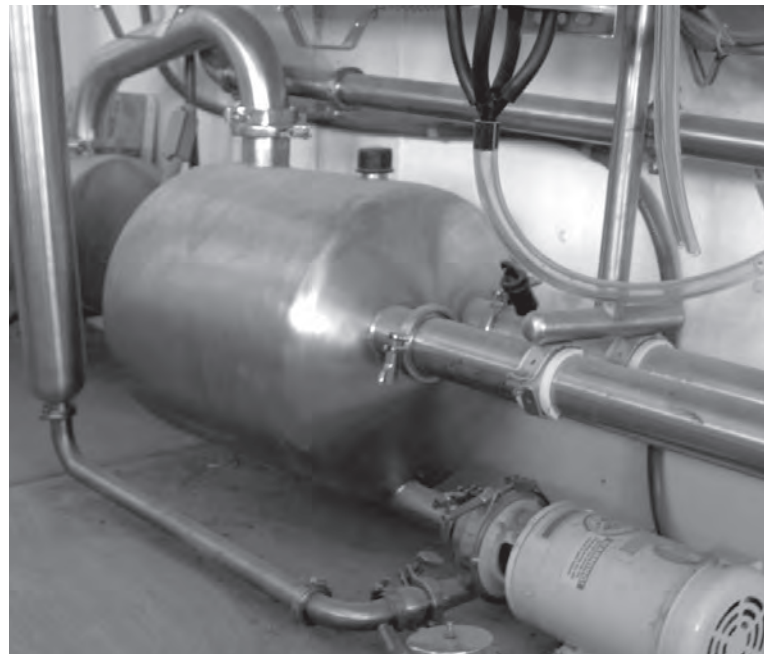
Safgard™ Custom SS Receivers

Custom receiver packages can be assembled individually by
choosing the best components for your specific application.
Choose appropriate receiver size, match it with the best
milk pump/control & filter assembly, then choose the proper
moisture trap for custom installation. Vertical wash vats are
also available and sized for the job.

Custom receiver assembly shown above utilizes a variable
speed milk pump, and 3" × 23½" side discharge filter,
combined with three gallon poly trap, on a floor mounted
18" × 18" receiver pot.

The custom receiver package pictured on the left shows a
horizontal receiver and horizontal trap allowing large volume of
milk and vacuum while keeping the package tight to the wall.
Spray balls are available for hard to clean installations.

Stainless steel milk pump motors are available in three phase
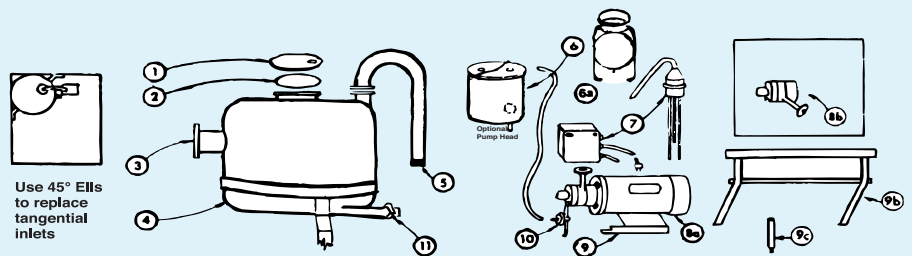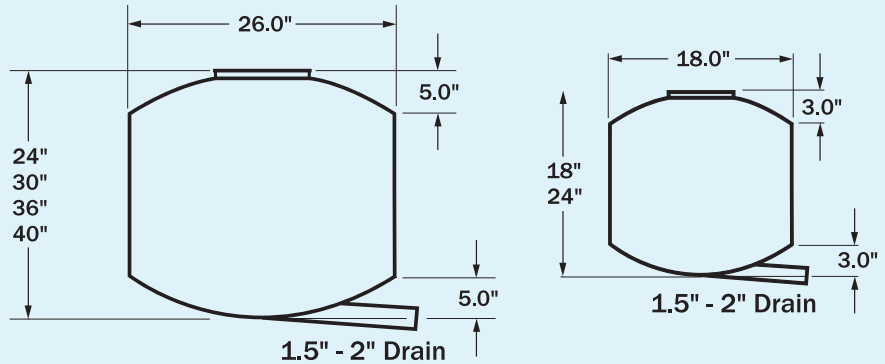keyed shaft configurations and are listed with the pumps and
motors.

Combine receivers, traps, level controls, and milk pumps from
the following pages to better meet your specific needs.

See page 125 for custom receiver order form

Stainless Steel Standard Floor Receiver Packages

Exploded Parts View

26.0"

5.0"

24"
30"
36"
40"

5.0"

1.5" - 2" Drain

18.0"

3.0"

18"
24"

3.0"

1.5" - 2" Drain

Use 45° Ells to replace tangential inlets

Optional Pump Head

DESCRIPTION	PART#
1 Cover with 1½" hole for 14" or 18" receivers	48707
Cover without hole for 14" or 18" receivers	487071
Cover for 26" receiver with 1½" hole	48796-1
2 Cover gasket for 14" or 18" (6⅜" ID × 7⅞" OD)	11314
Cover gasket for 26" receiver (8½" ID × 9½" OD)	48681
3A STRAIGHT MILK AND VACUUM INLETS	
1½" inlet without ferrule (3" stub)	48711
2" inlet without ferrule (3" stub)	48712
2½" inlet without ferrule (3" stub)	48705
3" inlet without ferrule (3" stub)	48706
4" inlet without ferrule (3" stub)	48706-1
1½" inlet with TC ferrule (3" long)	48717
2" inlet with TC ferrule (3" long)	48718
2½" inlet with TC ferrule (3" long)	48719
3" inlet with TC ferrule (3" long)	48720
4" inlet with TC ferrule (3" long)	48720-1
3B 45° MILK INLET TO REPLACE TANGENTIAL INLET	
2" 45° inlet without ferrule	48735
2½" 45° inlet without ferrule	48736
3" 45° inlet without ferrule	48737
2" 45° inlet with TC ferrule	48739
2½" 45° inlet with TC ferrule	48740
3" 45° inlet with TC ferrule	48741
4" 45° inlet with TC ferrule	48741-1
5 MOISTURE TRAP U BENDS	
2" 180° ferruled and threaded	48726
2½" 180° ferruled and threaded	48727
3" 180° ferruled and threaded	48728
6 MOISTURE TRAPS	
2" × 2" 12 qt. S.S. trap	48731
3" × 3" 12 qt. S.S. trap	48733
Bail only for 12 qt. trap	48679
2" × 2" cover only for 12 qt. trap	48683
3"× 3" cover only for 12 qt. trap	48685
Gasket for 12 qt. trap cover (8½" ID × 9½" OD)	48681
Standard ball for 12 qt. 3" × 3" trap (4¼")	48677
Standard ball for 2" × 2" trap (2 ¾")	45761
12 qt. S.S. pot only	48678
Duck-bill drain	42695

DESCRIPTION	PART#
1½" × 3" long str. adapter NPT thread to clamp	48754-1
2" × 3" long straight adapter NPT thread to clamp	48754
2" × 8" long straight adapter NPT thread to clamp	48752
3" × 3" long straight adapter NPT thread to clamp	48746
3" × 8" long straight adapter NPT thread to clamp	48745
6A BALL RETAINER FOR 6 OR 12 QUART TRAP	
2" NPT cage for 3½" OD Ball	48773
3" NPT cage for 4¼" OD Ball	48774
7 LIQUID LEVEL CONTROL	
3 probe liquid level control complete 1½" plug (220 Volt)	48680
Liquid control box complete less probe assem. (220 V)	48680-1
2" tri-clamp, 1½" plug style electrode assembly	45769
Long electrodes (2 required)	45770
Short electrode (1 required)	45771
2" tri-clamp, 1½" plug style × 3 hole electrode block	45775
8b ¾ HP pump and motor, horizontal discharge	48756
1 HP pump and motor, horizontal discharge	48757
1½ HP pump and motor, horizontal discharge	48758
Classic milk pump horizontal discharge (tri-clamp)	48763
9a 14" S.S. panel frame without legs or bracket	48699
18" Wall mounting frame only	48700
18" S.S. panel frame without legs or bracket	48701
26" S.S. panel frame without legs or bracket	48799
9b 18" Wall bracket complete for large receiver	48700
9c Stainless Steel adjustable legs (Set of 3)	48704
10 Vacuum operated drain valve shut-off	45282
11 1½" quick opening clamp	44870
1½" Hycar gasket	45193

A complete parts list for the old-style glass receiver group is available in the "Forms and Diagrams" section (page 127) in the back of the catalog. Many parts for the old-style glass receivers are still available as they interchange with many of the stainless steel receiver parts. Look closely at the parts shown for the parts you might need. If you need any hard to find glass receiver parts call the sales department for pricing and availability.

Maximizer Variable Speed Milk Pump Liquid Level Control

Features:
- Optimizes pre-cooler performance using up to 50% less water
- Automatic adjustment with 3 speed ranges for minimum milk flow, maximum milk flow, and wash
- High pump speed on low level float during wash cycle eliminates trap-over and improves wash volume
- Deluxe system includes Nema 4 enclosure with wash/manual switching assembly.
- Optimizes energy efficiency & maximizes equipment longevity

Three Float Probe Assembly

The standard probe is now 34" overall length.

Actuation levels are at 1", 4", & 8" from the bottom.

There is about 20" of up/down adjustment from the top float to the sealing face of the adjusting grommet.

Top Float
Level 3=20" max

Middle Float
Level 2=24" max

Bottom Float
Level 1=28" max

DESCRIPTION	STD. DRIVE 230V	DELUXE ENCLOSURE 230V	STD. DRIVE 460V	DELUXE ENCLOSURE 460V
1 to 3 HP VSC	45703	45703-A	45703-B	45703-C
5 HP VSC	45704	45704-A	45704-B	45704-C

DESCRIPTION	PART#
1 Float Assy. for 18"-30" Receiver	45705
3 Float Assy. for 18"-30" Receiver	45706
4 Float Assy. for 48" Balance Tank	45707
(3 Speeds - 1 Alarm) 7"-17" / 28"-34"	
Plastic Float	45705-1
Stainless Steel Float	45705-3
Stainless Steel Circlip	45705-2
Rubber Probe Holder	45706-5
Stainless Steel Locking Collar	45706-6
3 Position Switch	45700-8
Time Delay for VSC	45700-9

- Custom Probe assemblies available upon request
- Allow three week lead time on specials

Variable speed milk pump controls have an available dump relay feature that will maintain the milk pump in manual for a pre-set time, then switch on the air-blow valve automatically. Both timers are adjustable.

Refer to wiring diagram page 126

Safgard™ Liquid Level Control

LLC with 3 Probes
- Fits 1½" Hole for SS Receivers and also 2" tri-clamp connection
- Follow federal, state & local electrical codes when installing
- Works with all single phase milk pumps up to 3 HP
- Non-conductive switching options available
- Probes and controls can be ordered separately

DESCRIPTION	PART#
110 Volt	48680
220 Volt	48680-2

PARTS DESCRIPTION	PART#
220V Control less probe assy.	48680-1
110V Replacement board	48778
220V Replacement board	48778-1
Contactor 110 volt	45723
Contactor 220 volt	45724
SPDT switch	45782
2" tri-clamp, 1½" plug electrode assy	45769
2" tri-clamp, 1½" plug × 3 hole block	45775
Long probe 23"	45770
Short probe 19"	45771
Boot cover cap	45721
Electrode cord w/ cap	45784

Probes can be cut to alternate lengths at the job site.
Refer to wiring diagram page 127.

Replacement Milk Pump Motors

For Schlueter, Universal™, Bou-Matic™ Sta-Rite™, Surge™ and others.

Not your standard replacement motor. Schlueter's special duty milk pump motors have stainless steel shafts, electronic start switches, spring loaded motor shaft seals, and quality rubber gaskets on the capacitor cover.

Acme Threaded Shaft Replacement Motors

Threaded shaft motor fits Bou-Matic™, and Sta-Rite/Universal™ pump heads.

DESCRIPTION	PART#
½ HP 115 V-230V	25556
1 HP 220V - 1 Phase	25616
1 HP 220V - 3 Phase	25617

Keyed Shaft Motors

DESCRIPTION	PART#	DESCRIPTION	PART#
¾ HP 1 Phase	48742	2 HP 1 Phase ⅝" Shaft	25496
1 HP 1 Phase	48743	2 HP 3 Phase ⅝" Shaft	25496-1
1 HP 3 Phase	48743-1	2 HP 1 Phase ⅞" Shaft	25497
1½ HP 1 Phase	48744	2 HP 3 Phase ⅞" Shaft	25498
1½ HP 3 Phase	48744-1	3 HP 3 Phase ⅞" Shaft	25500-1
		5 HP 3 Phase 1 1/8" Shaft	25501-1
		7.5 HP 3 Phase 1 3/8" Shaft	25502-1

Replacement for Surge™

DESCRIPTION	PART#
½ HP 1 Phase motor*	25618
1 HP 1 Phase motor *	25619
1 HP 3 Phase	25620

Motor fitted w/ externally mounted capacitor. Remove the capacitor in the original control

All motors are Type C-Face, 3450 RPM. 3-Phase motors are all 230/460 volts.

Surge™ Replacement Board for 28000 Liquid Level Control Part# 45777

SS Body Milk Pump / Wash Pump Keyed Shaft Motors

DESCRIPTION	PART#
1 HP 3 Phase (Frame 56C)	48743S3
1½ HP 1 Phase (Frame 56C)	48744S1
1½ HP 3 Phase (Frame 56C)	48744S3
2 HP 1 Phase (Frame 56C)	25496S1
2 HP 3 Phase (Frame 56C)	25496S3
3 HP 3 Phase (Frame 145C) - 3600 RPM	25500
5 HP 3 Phase (Frame 145C)	25501
7.5 HP 3 Phase (Frame 213TC)	25502

• All single phase motors are rated at 3450 RPM
• All 3 phase motors are rated at 3600 RPM except where marked

Classic Milk Pumps

Classic Milk Pump Parts

DESCRIPTION	PART#
3 pc. shaft seal complete	45747-1
Classic milk pump gasket	48755
Volute only right hand	48759
4 blade impeller 3"	48767
4 blade impeller 3⅔"	48769
Classic back plate	48782
Black nut for pump	48783
Hair pin for pump seal	45751

Horizontal Classic Milk Pump Assemblies (Less Motor)

Motor Size	¾ - 1 HP	1½ - 2 HP
Impeller Size	3" Impeller	3⅔" Impeller
Right Hand (shown) S.S. - tri-clamp	Part# 48763	Part# 48763-2
Left Hand S.S. - tri-clamp	Part# 48763-1	Part# 48763-3

Curves: ±5%
Subject to change without notice.
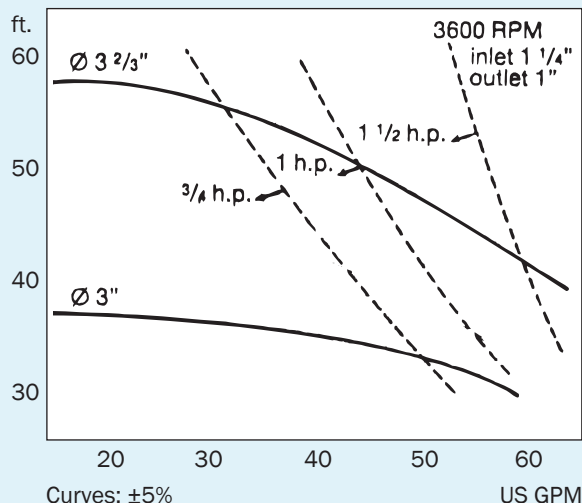
L.C. Thomsen™ Style Pumps

DESCRIPTION	SHAFT	PART#
1.5 HP pump & motor w/ext. seal	⅝"	25514

INL	OUTL	IMPELLER	SHAFT	SEAL	MOTOR	MODEL	PART#
1.5"	1.5"	3 7/8"	5/8"	Ext.	56-C	#4	25485
1.5"	1.5"	3 7/8"	7/8"	Ext.	145-TC	#4	25481
1.5"	1.5"	3 7/8"	5/8"	Int.	56-C	#4	25516
1.5"	1.5"	3 7/8"	7/8"	Int.	145-TC	#4	25480
2"	1.5"	3 7/8"	5/8"	Ext.	56-C	#4	25513
2"	2"	4 5/8"	7/8"	Ext.	145-TC	#5	25468
2"	2"	4 7/8"	7/8"	Int.	145-TC	#6	25469
3"	2"	7 5/8"	1 3/8"	Int.	213-TC	#8	25460

Internal Pump Seals

External Pump Seals

Internal Pump Seal Parts

DESCRIPTION	PART#
Internal seal kit #4 Pump	25490-4
Internal seal kit #5 Pump	25490-2
Internal seal kit #6 Pump	25490-5
Internal seal kit #8 Pump	25490-3
283 spring	25517
282 "O" ring	25518
281 teflon seal	25519
Head gasket #4 Pump	25520
Head gasket #5 Pump	25520-1
Head gasket #6 Pump	25520-2
4318 back plate	25601
3996B impeller shaft	25602
250 impeller	25603
Clip	25604

External Pump Seal Parts

DESCRIPTION	PART#
External seal kit #4 Pump	25490
External seal kit #5 Pump	25490-1
External seal kit #6 Pump	25490-6
External seal kit #8 Pump	25490-7
External seal only	25491
External shaft ⅝"	25493
External shaft ⅞"	25493-1
External Seal Backplate	25494
Ceramic wear ring for #4	25495
External seal Backplate for #4	25494
Milk pump shaft 7/8" #4, 5, 6	25493-1
Milk pump shaft 5/8" #4, 5, 6	25493

G & H™ Model GHC-0 Replacement Milk Pump

2" × 1½" milk pump/motor

DESCRIPTION	PART#
1½" HP pump and motor w/ SS legs	44602
2 HP pump and motor w/ SS legs	44600
Stainless Steel leg set	44614

GHC-0 Replacement Parts

DESCRIPTION	PART#
GHC-0 pump head only	44612
Shaft seal complete E.P.D.M.	44613
Stationary seal kit	44603
Stub Shaft ⅝"	44603-0
Back Plate	44603-1
Housing Gasket	44603-2
Dome seal nut	44603-3
Stub Shaft ⅞"	44603-5
Volute	44603-6
Impeller	44603-7
Rotating seal ring (Carbon)	44605
Yoke	44605-1

GHC-1V Replacement Parts

DESCRIPTION	PART#
Shaft seal complete E.P.D.M.	44601
Stationary seal (silicone)	44601-1
Adjusting collar	44601-2
Stationary "O" ring	44607
Rotating Seal	44607-3

Schlueter AC114, AC216, AC328 Pumps and Motors

DESCRIPTION	PART#
AC114 - 1½" × 1½" pump & 1½ HP motor	44620
AC114 - 2" × 1½" pump & 1½ HP motor	44621
AC114 - 1½" × 1½" pump & 2 HP motor	44622
AC114 - 2" × 1½" pump & 2 HP motor	44623
AC114 - 1½" × 1½" pump only	48825
AC114 - 2" × 1½" pump only	48826
AC216 - 2" × 1½" pump only 2-5 hp	48827
AC328 - 3" × 2" pump only 7½-10 hp	48829
AC114-1 - Seal kit with gasket	32313
AC114-3 - Seal kit for spring type pump	32312
AC216-1 - Seal kit for AC216 pump	32314
C218-328-1 Seal Kit	32315

Safgard™ Replacement Parts for TRI-CLOVER™ 114 & AC Series

DESCRIPTION	PART#
Backplate replacement for Tri-Clover™ 114 & AC Series	44620-1
Carbon seal replacement for Tri-Clover™ 114 & AC Series	44620-2
Impeller retainer replacement for Tri-Clover™ 114 & AC Series	44620-3
Spring replacement for Tri-Clover™ 114 & AC Series	44620-4
Buna casing gskt replacement for Tri-Clover™ 114 & AC Series	44620-5
Cup replacement for Tri-Clover™ 114 & AC Series	44620-6

- AC216 4.5"Impeller ⅞" Shaft
- AC328 7" Impeller

Milk Pump Check Valves & Seats Replacements

DESCRIPTION	PART#
1½" Tri-Clover™, Classic or Bou-Matic™ valves	45254
1½" Tri-Clover™ valve and seat	45256
Thomsen™ Flapper	25512
2" Tri-Clover™ valve	45257

1½" Surge™ Valve Part# 45259
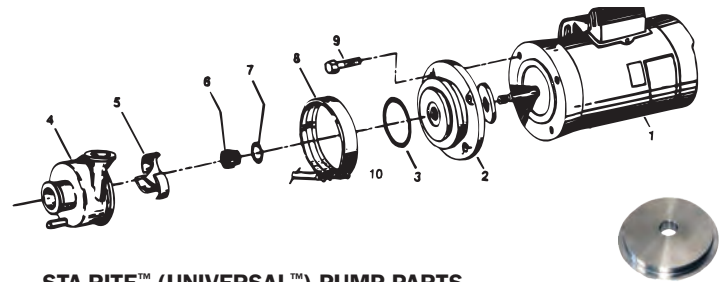
1½" DeLaval™ Std. Pump Part# 45251

1½" Alfa Laval™ Part# 45253

1½" Check Valve Seat Part# 45255

2" Check Valve Seat Part# 45258

STA-RITE™ (UNIVERSAL™) PUMP PARTS

KEY	DESCRIPTION	STA-RITE™	PART#
1	½ HP threaded shaft	DE-218-22	25556
3	"O" ring	U9-116	25564
5	Impeller	DE-5-6	25607
6	Shaft seal	DE-9-29	25565
7	"O" ring	DE-9-10	25566
8	Clamp	DE-19-196	25608

DESCRIPTION	PART#
Seal old style U/N milk pump	25605
Housing Gasket O/S Universal milk pump	25606
Backplate for Universal™	25610

**Surge™ Old Style Kit Part# 25555**

Surge™ Pump (New Style) Kit Part# 25557

Westfalia™ SP-41 Pump Kit Part# 25558

Replacement Impellers For Bou-matic™, DeLaval™, Surge™

DESCRIPTION	PART#
Bou-Matic™ 3" Impeller	25545
Surge milk pump 4 blade impeller	25560
DeLaval™ Radel Impeller	25567
DeLaval™ Stainless Steel Impeller	25568
DeLaval™ Stainless Steel Impeller	25569

Milk Pump Seal Replacement For Bou-matic™, DeLaval™, Surge™

DESCRIPTION	PART#
Bou-Matic™ (8513776)	25550
DeLaval™ Rubber Seal	25551
DeLaval™ Carbon Seal	25552
DeLaval™ "O" Ring	25553
DeLaval™ SS Collar	25554

Shaft for SP-41 milk pump, 5/8" keyed Part# 25561
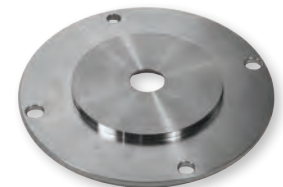
Surge™ Milk Pump Plate Replacement Part# 25559

Bou-Matic™ 3" Impeller Replacement Part # 25545

Surge™ Milk Pump Four Blade Impeller Replacement Part# 25560

High Capacity Milk-Pump Drains
Clamp Valve - Part# 47491
For ⅝" - ⅞" rubber, plastic &
silicone hose.
Replacement Strap - **Part# 47491-1**
Replacement Seal Diaphragm - **Part# 47491-2**

Stainless Steel Vacuum Operated Clamp Valve
Part# 47486

Replacement Diaphragm
Part# 47477

Drain Tube Replacement For Surge™ Fast Flow Type Drain Part# 45718

Rubber Drain Elbow Replacement for DeLaval™ Milk Pump
Part# 45719

Safgard™ Vacuum Drain Valve
Complete unit includes: Hose, shut-off,
elbow with ⅜" OD Drain Nipple
Part# 45284

DESCRIPTION	PART#
Diaphragm - large valve (STD)	45728
1½" Ell only w/⅜" OD nipple	45267
2" Ell only w/⅜" OD nipple	45137
Large valve only	45282
⅜" Hose only - 18"	45265
⅜" Hose per ft.	45265-1
Diaphragm - small valve	45729

Stainless Steel 90˚ Drain Elbow

SIZE	PART#
1½"	45135
1½" w/lateral nipple	45135-1
2"	45136
2" w/lateral nipple	45136-1

Std ¹¹⁄₁₆" O.D. drain nipple. Other sizes and
Tangential Models available.

Definox Check Valves

SIZE	PART# WELD	PART# CLAMP	PART# O-RING	PART# VITON SEAT
1½"	44596	44597	44596-4	44596-3
2"	44596-1	44595	44596-6	44596-5

Ball Check Valves

SIZE	DESCRIPTION	PART#
1½"	Ball Check Valve	45229
1½"	Ball Only	45229-1
1½"	Ball Retainer Clip	45229-2
2"	Ball Check Valve	45230
2"	Ball Only	45230-1
2"	Ball Retainer Clip	45230-2

Alfa Laval™ 45BYMP Ball - Check Valves

SIZE TUBE (OD)	PART#
1½" valve complete	45249
1½" Air Blow Valve 2" Conn.	45249-2
2" valve complete	45250
2" Air Blow Valve 2½" Conn.	45250-2
1½" ball only	45249-1
1½" Ball only economy replacement	45380
2" ball only	45250-1
2" Ball only economy replacement	45381
1½" Nylon Ball Only	45380-1
2" Nylon Ball Only	45381-1
2" Schwartz Discs - (200/pkg.)	45250-3
Flannel Disks for 1½" & 2" - (50/pkg)	45249-3
SS Perforated Disk	45249-4

"Y" Check Valves with Teflon Balls

SIZE	DESCRIPTION	PART#
1½"	Ball Check Valve	45220
1½"	Ball only	45220-1
1½"	Seal kit	45220-2
2"	Ball Check Valve	45221
2"	Ball only	45221-1
2"	Seal kit	45221-2
2"	Air Blow Valve for 1½'	45222
2½"	Air Blow Valve for 2"	45223

"Y" Pattern Check Valves

SIZE	DESCRIPTION	PART#
1½"	Ball Check Valve	45405
1½"	Ball Only 2⅛"	45405-1
2½"	Air Blow valve for 1½"	45402
2"	Ball Check Valve	45406
2"	Ball Only 2⅝"	45406-1
3"	Air Blow valve for 2"	45403
2½"	Ball Check Valve	45407
2½"	Ball Only 3⁵⁄₁₆"	45407-1
4"	Air Blow valve for 2½"	45404
3"	Ball Check Valve	45408
3"	Ball Only 4¼"	45408-1
4½"	Air Blow valve for 3"	45404-1
	Filter discs for 1½" & 2" (200)	45250-3
	Stem for Air Blow	45400-2
	Air blow stem guide- Teflon	45400-3
1½"	Air Blow valve	45400
2"	Air Blow valve	45401

Dixon Bradford Check Valves

SIZE	PART# CLAMP	PART# VITON SEAT
1½"	45218	45218-1
2"	45219	45219-1

Safgard™ Stainless Steel Horizontal Traps
• With plexiglass cover & gasket
• With tri-clamp & thread inlets
• 12" diameter x 18" long - 8 Gallon Capacity.

**3" × 3" Horizontal Trap Clamp By Thread Complete
   Part# 48791**
Clamp By Clamp (3" × 3") - Part# 48791-A
**4" × 4" Horizontal Trap Clamp By Thread Complete
   Part# 48792**
Clamp By Clamp (4" × 4") - Part# 48792-A

DESCRIPTION	PART#
Std. Plexiglass Cover & Gasket	48793
Std Gasket Only (11" ID × 13" OD)	48791-2
Beco™ Style Gasket Only (9½" ID × 11" OD)	48810
Beco™ Style Cover Only	48811

Long Trap Gooseneck

DESCRIPTION	PART#
3" Trap bend with ferrules	48221
4" Trap bend with ferrules	48222

3" Trap bend is 26" on center
4" Trap bend is 29" on center

Safgard™ Stainless Steel Vertical Traps

S.S. Deluxe Vert. 12 Qt. Trap

DESCRIPTION	PART#
2" × 2"	45670
3" × 3"	45671
12 qt. bail complete only	45672
12 qt. pot only	48678

S.S. Deluxe Vert. 24 Qt. Trap

DESCRIPTION	PART#
2" × 2" complete	45675
3" × 3" complete	45676
24 qt. bail complete only	45677
24 qt. pot only	45677-1
2" × 2" cover only	45678
3" × 3" cover only	45679
Gasket (8½" ID × 9½" OD)	48681
Rubber Duckbill	42695

6 Qt. SS Trap w/Plexiglass Cover

DESCRIPTION	PART#
2" × 2" complete	45709
6 qt. bail complete only	45713
6 qt. pot only	45712
2" × 2" plexiglass cover only	45711
Gasket (6⅜" ID × 7⅞" OD)	11314
Rubber Duckbill	42695

**3 Gallon Polyethylene
Moisture Trap Assembly
Part# 48750**
(Does not include bend)

Unit Consists of:

DESCRIPTION	PART#
1 - 4¼ Adapter Sleeve	48750-1
1 - 3¾" Adapter Sleeve	48750-2
1 - 4" Float Ball	48677
1 - Top Cleanout Cap	48750-3
1 - 3 Gallon Poly Body	48750-4
1 - Rubber Duckbill	42695

**3" 135 Degree Trap Bend
Must be ordered separately
Part# 48750-5**

Trap Balls

DESCRIPTION	PART#
2¾" Plastic float ball	45761
4¼" Plastic float ball	48677
5" Plastic float ball	25536
6" Plastic float ball	25537
4" Stainless Steel Ball	48793-3
5" Stainless Steel Ball	48793-2

**Check Valve Assy Replacement
for Surge™ Moisture Trap
Part# 45758**

**Check Valve Replacement
for 3" DeLaval™ Moisture Trap
Part# 45756**
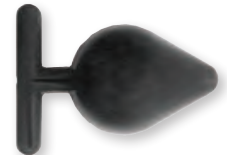
**Rubber Drain Replacement
for 2" DeLaval™ Moisture Trap
Part# 45757**

**Gasket Replacement For 2"
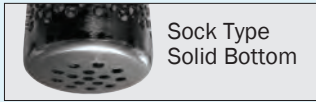Blue Boumatic™ Moisture Trap
Part# 45755**

Safgard™ Side Discharge Strainers

Safgard™ Large Inline and Side Discharge Strainers

SIZE AND DESCRIPTION FOR TUBE FILTER MATERIALS	INLINE	PART#
4⅞" × 17" Tube Strainer w/ 1½" inlets		48690
4⅞" × 33½" Tube Strainer w/ 1½" inlets		48691
4⅞" × 33½" Tube Strainer w/ 2" Inlets		48691-1

FOR SOCK FILTER MATERIALS	SIDE DISCHARGE	PART#
4⅞" × 17" Sock Strainer w/ 1½" Inlets		48672
4⅞" × 33½" Sock Strainer w/ 1½" Inlets		48670
4⅞" × 33½" Sock Strainer w/ 2" Inlets		48671
4⅞" × 33½" Sock Strainer w/ 2½" Inlets		48676

Sock Type Solid Bottom

Side Discharge   **Inline**

Side-Discharge Strainer Parts

DESCRIPTION	PART#
White Flat Seal Gasket	48697
Top Seal (4" Hycar Gasket) Not Pictured	45197
Filter Seal O Ring	48695
Two Tabbed "O" Ring	48695-1

Straight In-Line Strainer Parts

DESCRIPTION	PART#
Top Seal (4" Hycar Gasket) Not Pictured	45197
Filter Seal O Ring	48695
Two Tabbed "O" Ring	48695-1
Bottom (plug) seal cap	48674

Replacement For DeLaval™ Strainer

DESCRIPTION	PART#
Top (discharge cap)	48673
Bottom (plug) seal cap	48674

Tri-Clover™ Strainer Parts

DESCRIPTION	PART#
FM1 1.5-01B-316 Bell Reducer	48653
F1 1-07B-316 Spring	48654
F1 1-06-316 Cap	48655
F1 1-21-U Retaining ring	48656
F2 1.5-09G-316 Backup tube	48657

Surge™ Replacement Filter Gasket
Part# 46533
(For 2" frame-type filters)

2¼" × 24" - Sock Strainer
Uses 2¼" × 24" Sock
Part# 48658

3" × 23½" - Sock Strainer
Uses 3" × 23½" Sock
Part# 48659
Deep grooved sealing ring in body insures no debris blowing past the seal. All stainless steel construction. 1½" inlet and outlet.

DESCRIPTION	PART#
2¼" × 24" White Seal Gasket	48658-1
2-¼" × 24" "O"-Ring Seal	46598
3" × 23½" White Seal Gasket	48659-5
3" × 23½" "O"-Ring Seal	48659-6

Spring Filter Retainers

ITEM	DESCRIPTION	PART#
5002	Smooth Grommet (15/16" ID)	46568
DE8-14	Ribbed Tri-clamp (⅞" ID)	46579

DESCRIPTION	PART#
Bou-Matic™ & DeLaval™ Replacement	46583

DESCRIPTION	PART#
24" Schwartz Coil/Retainer Tri-Clamp	49761
24" Schwartz Coil/Ret. Surge Type	49762
Perfect Fit™ Tri-Clamp	49763
Perfect Fit™ Surge™ type	49764

49763   49764

2¼" × 12" – 24" Spring Strainers

DESCRIPTION	PART#
24" In-line strainer complete	46575
12" In-line strainer complete	46574
12" Coil only	46588
24" Coil only	46571
6819 Coil lock	46572

6" Strainer Complete
Part# 46563
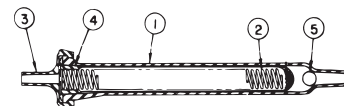
Plastic Strainer Parts

ITEM	DESCRIPTION	6" PART#	12" PART#
1.	Body (plastic)	46587	N/A
2.	Spring	46586	46588
3.	Filter Cap	46578	46578
4.	Ribbed Retainer	46579	46579
5	Ball	46581	

Sani-Flo™ Milk Filters

An "Easy On" filter with consistent filtration
• Standard Program - Prepaid Freight on 5 Cases!

SIZE	DESCRIPTION	PART#
2¼" × 12"	12 boxes/100 socks	49580
2" × 24"	6 boxes/100 socks	49581
2½" × 23½"	6 boxes/100 socks	49583
2¾" × 24"	6 boxes/100 socks	49585
4⅞" × 17"	9 boxes/50 tubes	49586
4⅞" × 33½"	9 boxes/50 tubes	49587
4⅞" × 36"	9 boxes/50 tubes	49588

Ken-Ag™ Milk Filters

Breakproof Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2" × 24"	D576	100	6	13	49419
1 5/8" x 24"	D573	100	6		49421
2¼" × 12"	D579	100	12	16	49437
2¼" × 24"	D577	100	6	14	49404
3" × 23⅜"	D572	100	6	18	49420
3" × 26"	D574	100	6	20	49426
4⅞" × 17"	D546	50	10	17	49423
4⅞" × 29"	D575	50	9	26	49425
4⅞" × 33½"	D548	50	9	29	49422
4⅞" × 36"	D549	50	9	31	49424
9 1/8" x 33 1/4"	D545	50	6		49428

Ultra-Flow Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 12"	D584	100	12	15	49466
2" × 24"	D588	100	6	13	49467
2¼" × 24"	D589	100	6	14	49468
2½" × 24"	D590	100	6	16	49469
2¾" × 23½"	D591	100	6	17	49470
3¼" × 22"	D522	100	10	30	49471

Low Pressure Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 5½" L.P.	D550	100	12	7	49402
2¼" × 12" L.P.	D567	100	12	14	49429
2¼" × 24" L.P.	D568	100	12	26	49434

Pre-Filter (Defoaming)

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
3½" × 14"	D570	100	12	21	49435
5" × 20"	D569	100	12	40	49436

Filter Rolls, Strips, Air Filters Rolls

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
6½" × 200'	D606	1	6	16	49445
12" × 200'	D609	1	6	29	49447
18" × 200'	D610	1	6	42	49448

Strips

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
12" × 15"	D666	100	10	28	49450
18" × 22"	D665	100	5	30	49451

Sani-Guide Pipeline Inserts

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
1 1/2"	D771	100	-	4	49430
2"	D772	100	-	7	49431
3"	D773	100	-	6	49432

• 25 Case Prepaid Freight - East of the Rockies except Canada

Discs

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
4⁹⁄₁₆" In-Line	D506	100	36	13	49210
2 1/4"	D104	300	10	2	49441
6"	D107	100	36	16	49212
6½"	D110	100	36	18	49403
8"	D115	100	18	20	49217
12½"	D531	100	10	23	49218
15"	D532	100	10	27	49219

Squares

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
6½"	D521	100	36	20	49221

Breakproof Tubes

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2³⁄₁₆" × 6½"	D541	100	12	8	49412
4⅞" × 17"	D547	50	10	18	49416
4⅞" × 33½"	D538	50	9	29	49417
4⅞" × 36"	D539	50	9	31	49418
6" × 26"	D534	50	10	31	49427
9⅛" × 33¼"	D545	50	6	29	49428

Paper Pipeline Inserts

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
1½"	D150	100	5	3	49438
2"	D200	100	5	4	49439
3"	D300	500	-	6	49440

Schwartz Milk Filters

Perfect Fit™ System

DESCRIPTION	PART#
12" Coil & Retainer Kit Tri-Clamp	49766
24" Coil & Retainer Kit Tri-Clamp	49761
24" Coil & Retainer Kit Surge™	49762
Retainer Replacement Only Tri-Clamp	49763
Retainer Replacement Only Surge™	49764
12" Perfect Fit Sock (9 boxes/100)	49767
24" Perfect Fit Sock (8 boxes/100)	49765

Tuffy Pipeline Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 6"	4199-06-35	100	10	12	49634
2¼" × 12"	4153-15-36	100	12	16	49600
2" × 24"	4179-06-37	100	6	16	49601
2¼" × 24"	4185-06-37	100	6	16	49602
2¾" × 23½"	4174-06-30	100	5	19	49626
3" × 23½"	4175-06-30	100	5	19	49605
6¹⁵⁄₁₆" × 21"	4191-06-14	50	10	28	49615
4⅞" × 33½"	4192-06-66	50	9	38	49616
4⅞" × 17"	4197-06-66	50	9	20	49617
4⅞" × 28"	4190-06-66	50	9	30	49760

Flannel Pipeline Sock

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2³⁄₁₆" × 24"	4182-80-30	100	5	14	49607

Tuffy Pipeline Tubes

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 6½"	4201-06-35	100	10	12	49635
3⁵⁄₁₆" × 22¼"	4603-15-30	100	5	17	49759
4⅞" × 17"	4196-06-66	50	9	21	49609
4⅞" × 33½"	4643-06-66	50	9	38	49611
4⅞" × 36"	4605-06-66	50	9	42	49612

Filter Cell & Filter Cell Filters

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
5⅜"	4734-00-99	1	4	4	49658
8½" × 5½"	4729-06-29	100	4	10	49659

Filter Clean Discs

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
4⁹⁄₁₆"	4198-06-49	200	18	16	49632
6½" Banded	4103-14-45	100	36	28	49639
9½"	4717-14-30	100	5	12	49641
12½"	4115-14-35	100	10	25	49619
15"	4121-14-35	100	10	36	49620

Filter Clean Squares, Flats, Rolls Fast Stuff

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
12" × 200' FS	5224-07-01	1	6	42	49623
18" × 200' FS	5236-07-01	1	6	48	49624

Tuffy Flannel Plate

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
11¾" × 1⁵⁄₁₆"	4709-06-89	500	1	12	49665

Schwartz End-O-Line Filters
Without Drawstring

BAG SIZE	CODE	MAT.	FILTERS PCS/BOX	FILTERS BOX/CASE	WT/CS	PART#
3¼" × 12"	4231-80-66	Flan.	50	9	10	49743
4¼" × 14"	4275-80-66	Flan.	50	9	15	49696

Sock

BAG SIZE	CODE	MAT.	FILTERS PCS/BOX	FILTERS BOX/CASE	WT/CS	PART#
3¼" × 14"	4225-06-66	Tuffy	50	9	10	49695

Safgard™ Stainless Steel Filter Dispensers
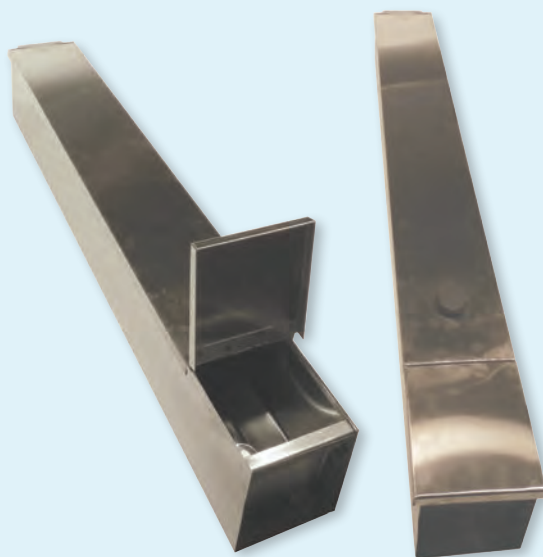
Multi-size #24
SS Front Load Dispenser
Fits up to 3" × 23½" Filter Boxes
Part# 49014

SS Front Load
Filter Dispensers
For 4⅞" × 33½" - 36" Filters
Part# 49016

Safgard™ Smart Milk Filter Control

Safgard "Smart Milk Filters" tell you when your filter material is starting to plug, giving you ample time to switch to the backup filter, avoiding trapping over and costly down time. Have the system switch itself automatically.

Smart Filter Sanitary Pressure Gauge & Switch
Part# 46555

Bender™ 8950
Monitor Clean
Pipeline Washer Control
Complete (Less Drain Valve)
Part# 40450 (110V)
Part# 40450-A (240V)

- CSA approved
- Std 7 or 10 minute wash cycle
- Electro-mechanical timing
- 24 hr clock for auto pre-sanitize
- Combine with 3 peristaltic pump dispenser

Bender™ 9650 Premier II
**Solid-State Control Module**
Part# 40455

- Solid-state programmable timing
- Adjustable rinse
- Adjustable drain, and wash cycles
- 24 hour clock for auto pre-sanitize
- Combine with 3 peristaltic pump dispenser

Bender™ 9590/9595 Dispensing system
20 oz./Min Complete (Less Drain Valve)

MFR.	DESCRIPTION	PART#
9590	110 Volt w/water valve	40460
9590-A	110 Volt w/water valve w/o disp timers	40461
9590	220 Volt w/water valve	40465
9595	110 Volt w/o water valve with disp timers	40470
9595-A	110 Volt w/o water valve & w/o disp timers	40471
9595	220 Volt w/o water valve with disp timers	40475
9585	Squeeze tubing replacement kit - ⅜" ID × ⅝" OD	40476

- CSA approved
- High capacity peristaltic pumps
- Programmable timers adjust to 1 sec.
- High cap water fill rate Approx. 20 GPM depending on pressure
- Check valves for lines
- Detergent, acid, and sanitize capacity to 300 oz.
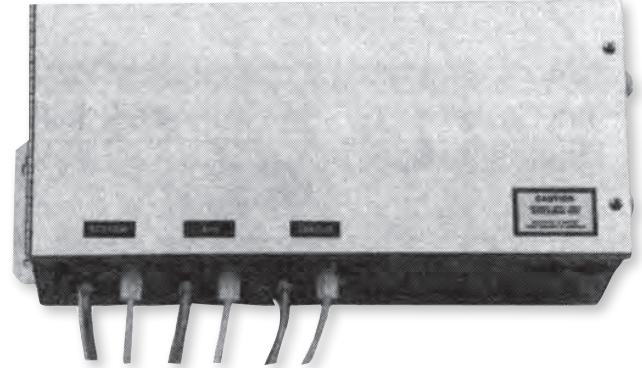
Bender™ 9590 / 9595 Parts

ITEM	DESCRIPTION	BENDER PART#
1	Adjustable timer - 1.0 to 1023 seconds	8908
2	Terminal block	8836
3	SS Hi Low screw #8 × ⅝"	6161
4	Clear face plate	9568
5	Roller Assembly	9565
6	3-pump module (peristaltic)	9575
6	3-pump module (peristaltic 9590-A, 9595-A)	9592
7	3 pump housing only	9566
8	Hi speed motor 120VAC, 120 RPM	9576
8	Hi speed motor 120VAC, 120 RPM 9590-A, 9595-A	9593
9	Squeeze tube assembly - ⅜" ID × ⅝" OD	9585
10	SS sheet metal clip nut 10 × 24	6136
11	Water valve	8885
11	Water valve coil (40329)	32551
12	SS seal screw 10-24 × ½"	6140
13	Outlet adapter	8876
14	SS hose clamp ¾"	2319
15	Plastic tubing ¾" ID × 1 OD (Per ft.)	8868
16	Rubber gasket	1085
17	Inlet adapter	8814
18	Pressure hose	8869
19	Case assembly	9570
20	Screen	32552
21	Hose gasket	1403
22	Hose plug 1.093 - 1.125 Diameter	9564
23	Plastic clamp ½" Inch	2399
24	Felt pump pad	9586
25	Compression nut ¼"	9589
26	Plastic tubing 5/16" ID × 7/16" OD (Per ft.)	1089
27	Rigid tubing ¼" OD × .040 Wall (Per ft.)	2784
28	Bottle cap - Gallon container	2519
29	Bottle cap - Large container	2678
30	Ceramic weight	2528
31	Screen	2530
32	Synthetic teflon grease .5 Oz. tube	9587
33	Pressure switch bushing	2576
34	Input plate	8905
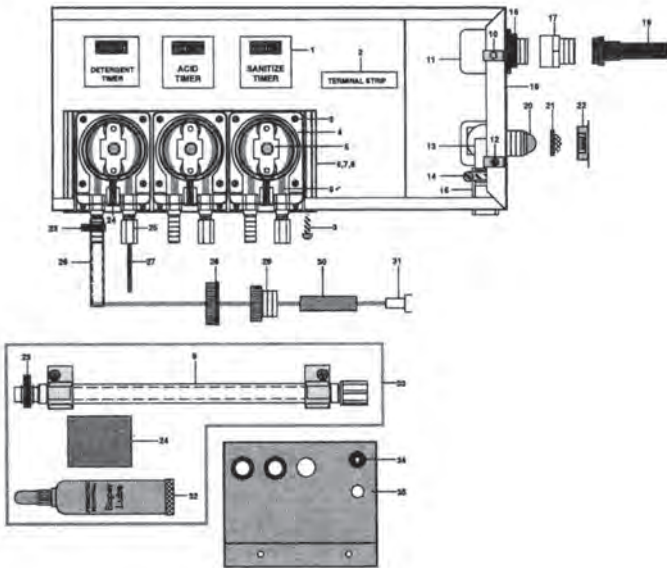
Bender™ 8500
**Automatic Pipeline Washer
Complete (Less Drain Valve)
Part# 40430 (110V)
Part# 40430-A (240V)**
- CSA approved
- Standard 7 or 10 minute wash cycle
- Economical and dependable
- Two jar dispensers for manual loading of detergent and acid
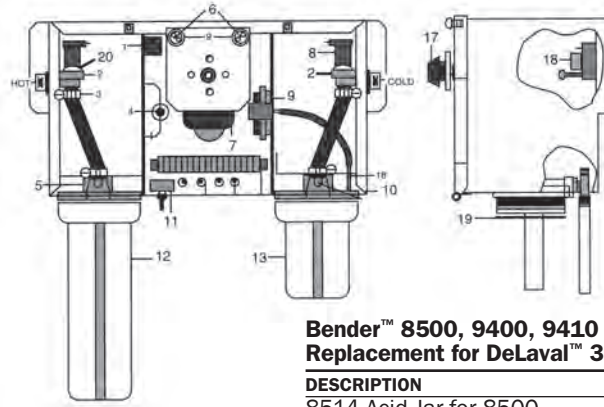
Bender™ 8500, 9400, 9410 Parts
Replacement for DeLaval™ 3000

DESCRIPTION	PART#
8514 Acid Jar for 8500	40431
8512 Detergent/Acid Jar gasket	40431-1
8513 Detergent Jar top assembly	40431-2
8515 Water Valve	40431-3
8540 Timer Kit - FailSafe kit for 8500	40432
8926 Timer Only - FailSafe (110V)	40433
9750 Timer Only (110V)	40434
9750 Timer Only (220V)	40434-1
9450 Timer Kit For DeLaval™ 3000 to 8500	40435
9450 Timer Kit For Bender™ 9400 & 9410	40436

Bender™ 7540 2-Way Diversion Valve

**120V Part# 40604
240V Part# 40604-1**

7540 Spare Parts

REF #	DESCRIPTION	PART#
8	Gasket Only	40602
9	Lower Housing	40600
12	Coil Only 120 Volt	40796
12	Coil Only 240 Volt	40797
13	Upper housing	40599
16	Bellows	40487
20	Stopper Rod	40603
24	Stopper Rod Bushing	40601
28	Stopper Plug	40643
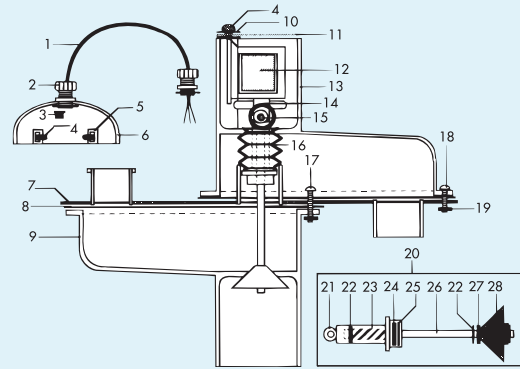
Schlueter Safgard™ Programmable PLC Washer
**Multi-Purpose PLC Controller with Touchscreen Adjustments.
Automatic Pipeline Wash System. CIP process made incredibly simple with pre-programmed multi-function PLC and easy setting of cycle times, transitions, etc
4 inputs and 10 outputs to control many devices
3-A and HACCP Standards**

**5 Pre-programmed Washing Systems
Choose pre-installed program you wish to use**

Safgard™ Programmable PLC Washer Parts / Units

DESCRIPTION	PART#
Pipeline Washer for Air Injector Control	40500
Bulk Tank Washing	40501
CIP Washer	40502
Vat Pasteurization Controller	40503
HTST Pasteurization Control	40504

Safety and reliability with optional manual function switches. The toggle switches allow one to do each function manually: On, Off or Automatic.

This makes the system a washer and after, a manual process controller. Heat, cool, agitate, pump, drain, etc. Example: After vat pasteurizing, one could add cultures and mix yogurt, ice cream mix, yogurt drink with flavors, start cheese, etc.

*Ask about Schlueter Pasteurizers that meet PMO.

**COMPLETE UNIT NO
LONGER AVAILABLE
(Parts Only)**

Safgard™ Automatic Pipeline Washer Parts

PART#	DESCRIPTION
20915	Timer knob w/set screw, APLW
20923	Indicator, light, red, APLW
20924	Toggle switch complete, APLW
20933	110V Coil Only for Solenoid
20945	Filter cap, APLW
20947	Fitting, 90° hose, ¾" MPT to ⅜" barb, APLW
20948	Connector, ⅜" × ⅜" hose barb, APLW
21056	Water hose, female x female, ½" × 6'
21070	Fuse holder
21073	Fuse, 6.25 AMP SLO BLO, APLW
21083	Jar gasket, APLW
21084	Solution jar, APLW
21088	Pressure switch complete, APLW
21081-1	Black rubber stopper, APLW
21095	Solenoid Repair Kit
21108	New style mixing solenoid valve, Complete

Safgard Air Operated Gate Valve

Safgard Air-Operated Gate Valve
(Need to Order Both Valves for Set)

Safgard air-operated gate valve is designed as a cost effective alternative to troublesome electric wash tank drain valves. The valve can survive in extreme wet conditions. It is available in 24VAC, 110VAC, and 220VAC. The air operated drain valve can be installed as normally open or normally closed, depending on the air logic.

air out to cylinder

pilot valve

cylinder

air to pilot valve
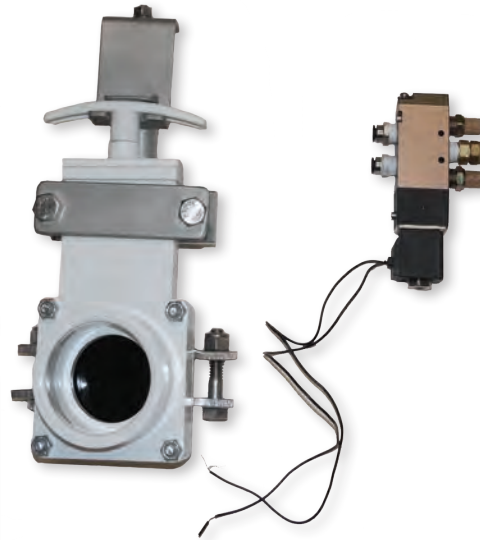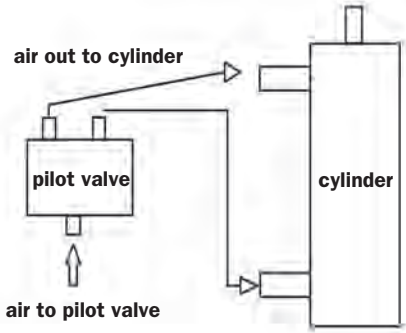
Safgard Air Operated
Gate Valve Instructions

The air-operated gate valve is operated by a five-way pilot valve that is mounted in the pipeline washer control. (Determine the voltage required and make sure the pilot valve voltage is the same.) Mount the pilot valve in the pipeline washer control and connect it to the terminals designated for the drain valve. Connect the incoming air to the pilot valve port "P". The output air is ports "A" and "B". The cylinder is connected to these ports with 4mm (5/32) OD tubing.

Install the gate valve in a convenient spot in the wash vat drain line using "no-hub" rubber couplings. The valve can be mounted in any position, and is non-directional. Attach the air lines between ports "A" and "B" on the five-way valve, to the air operated gate valve cylinder. When "A" is connected to the base of the cylinder, and "B" to the top, the gate valve operates as a normally open assembly. Switching "A" and "B" changes it to normally closed assembly.

DESCRIPTION	PART#
Safgard Air Operated Gate Valve AOGV	40620
24VAC 5 Way Valve for Safgard AOGV	40621
110VAC 5 Way Valve for Safgard AOGV	40622
220VAC 5 Way Valve for Safgard AOGV	40623

Motorized Drain Valve Complete Units
- Full flow automatic draining for wash solutions
- Can be installed with most automatic washers

Normally Open

DESCRIPTION	PART#
110 Volt	21097
220 Volt	21097-1
24 Volt	21102

Normally Closed

DESCRIPTION	PART#
110 Volt	21098
220 Volt	21098-1
24 Volt	21103

Normally Open CSA Approved Grey Motor Enclosure

DESCRIPTION	PART#
110 Volt	21099

Motorized Drain Valves

Motor Only Not Available

1½" No-Hub Coupling Part# 47129

PARTS FOR MOTORIZED DRAIN VALVES

#	PART#	DESCRIPTION
12	21147	Stator 115V, 60 HZ coil only
12	21147-1	Stator 220V/240V, 50/60 HZ, Canada
12	21147-2	Stator 220V/240V, 50/60 HZ, USA

not referenced in drawing

Epoxy Glass Lined Storage Tanks
For Vertical or Horizontal Installations

Uninsulated Tanks

PART#	PSI	GAL/CAP	O.D.	SHELL	OPENINGS	WEIGHT
47373-1		85	20"	60"	1¼"	231
47373-3		126	24"	60"	1½"	275
47373-4		150	24"	72"	1½"	321
47373-5		240	30"	72"	2"	454
47373-6		350	36"	72"	2"	571
47373-7		485	42"	72"	2"	770
47373-7A	150	485	42"	72"	2"	
47373-8		560	36"	120"	2"	932
47373-8A	150	560	36"	120"	2"	
47373-9		773	42"	120"	2"	1093
47373-9A	150	773	42"	120"	2"	

Pipe Nipples for Legs Not Furnished. Fabricate to Desired Length on jobsite.

Part# 47373-K 11" × 15" Manway Gasket
Part# 47373-L 12" × 16" Manway Gasket

Safgard™ Air Injector Systems

Solid State
Air Injector Control
Part# 40605

Independently adjustable on and off frequency setting. Allows exact adjustment of air injector valve. Solid state control holds setting. Can handle 2-turbo 340 or 4-slug 60 units. See forms and diagrams section page 129 for installation details.

Available in 24/110/220 Volt AC

Turbo 340 Commercial Duty
SS Air Injector Valves
Part# 40608

Heavy duty stainless steel construction. Designed for large milking systems. Produces high velocity slugging action in lines up to 4" in diameter. Mesh screen filter. Pilot operated.

Diaphragm
Part# 47477

Safgard™ Standard
Air Injector Valve
Part# 40606

A low cost alternative for smaller lines. Up to 4 valves can be used with one control box for hard-to-clean systems.

Replacement Diaphragm
New Style
Part# 45728

Update Kit Valve
With Multi-Voltage
Adjustment Board
110Volt - Part# 40610-2

Solid State Board Only
24/110/220 Volt Input - 50/60 Cycle
Part# 40610-1
• Adjustable Repeat Cycle Timer
• Will Drive Any Valve

DESCRIPTION	PART#
Solenoid Valve 110V	40611
Solenoid Valve 220V	40612
Solenoid Valve 24V	40613

Water Filters

DESCRIPTION	PART#
AGS-100 Sediment Unit	42800
AGS-100 Filter Cartridge Only	42802
AGT-200 Taste & Odor Unit	42805
AGT-200 Filter Cartridge Only	42807

Part# 42800   **Part# 42805**

APLW System Protector
The "PROTECTOR" monitors your washing system and shuts down the pipeline washer and vacuum system at the first sign of trouble such as a drain valve stuck open or closed, prevents flooding, warns you of trouble to insure complete cleaning.
Part# 20975

Bender™ 1185 Air Injector
Part# 40560

Ideal for smaller milking systems up to four milking units. Good for two-inch milking systems.

Safgard™ Stainless Steel Wash Tanks

Wash Tank Features
- Single, double or triple compartments.
- Sizes up to 97" (Any two or more sizes may be joined)
- Gallon capacity of tanks from 23" to 97" is roughly equal to number of inches. Example: 43" tank holds approx. 43 gallons.
- Order brackets or legs separately Packaged in sets of two
- 22 gauge - type 304 Stainless Steel Bright Annealed Finish
- 13½" deep
- 21" wide

Single SS Wash Tanks

SIZE	PART#
18"	20038*
23"	20012*
29"	20013*
37"	20014*
43"	20015*
49"	20016*
55"	20017*
61"	20018+

Double SS Wash Tanks

SIZE	PART#
18" - 18"	20086*
23" - 23"	20019*
23" - 29"	20021*
23" - 37"	20087+
23" - 49"	20084+
29" - 29"	20020+

Triple SS Wash Tanks

SIZE	PART#
23" - 23" - 23"	20022+
29" - 29" - 29"	20023+

- Seamless
- Sanitary
- Sturdy

* - UPS Shippable
+ - Must ship by truck.

**Drain Complete
Part# 20043**
(Fits any 1¾" drain hole)

**White Stopper w/ Ring
Part# 20042**

Legs
(Packaged in sets of two)

DESCRIPTION	PART#
Blue Legs	20068
Stainless Steel	30474
For 18" tank	20070

Blue plastic dipped channel iron. (Legs and Brackets)

Brackets
(Packaged in sets of two)

DESCRIPTION	PART#
Blue Saddles	20052
For 18" tank	20057
Stainl. Steel Brackets	30475
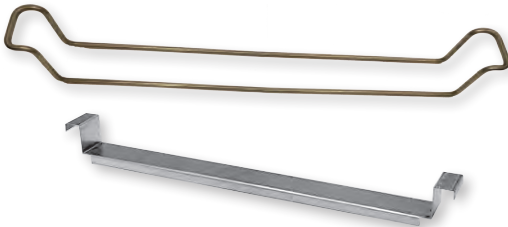
URWB-5 Basket
(6" × 10" × 12")
Part# 31310

Claw Brackets

SIZE	SS BAR PART#	SS SHEET PART#
18"	20606	20605
23"	20602	20600
29"	20603	20601
37"	20604	20607
49"	20608	20609

URWB-6 Basket
(10½" × 22" × 10")
Part# 31303

**Tank End Tray
Part# 21506**

Safgard™ Single CIP Tanks

Commercial duty vats designed originally for milk plant applications. Excellent for combination receiver/wash vat.

Six sizes available from 100 to 425 gallons.Sturdy construction of type 304 stainless with a popular #4 finish. Combine two or more CIP tanks to make wash water/chemical re-use systems. Standard tank cover is welded and features an 18 inch manway. Pictured with optional sanitary hinged cover. Spray ball included. Standard leg height is 18 inches.The pictured tank shows all outside welds ground and polished. Please specify cover and polish requirements when ordering.

DESCRIPTION (STANDARD TANKS)	PART#
All type 304 w/#4 finish	
100 Gal CIP Tank 27" Dia. × 48"H	20125
150 Gal CIP Tank 31" Dia. × 48"H	20126
200 Gal CIP Tank 35" Dia. × 48"H	20130
250 Gal CIP Tank 46" Dia. × 36"H	20127
335 Gal CIP Tank 46" Dia. × 48"H	20128
425 Gal CIP Tank 46" Dia. × 60"H	20129

Brass Faucet And Mixing Valve

Faucet
Part# 40200

SS Faucet Mount Bracket
Part# 40198

Mixing Valve
Part# 40201

DESCRIPTION	PART#
Cold handle	40206
Hot Handle	40206-1
Stem & Bonnet (Hot)	40203
Stem & Bonnet (Cold)	40204
¾" Hose Adapter for Faucet	40201-1

Poly Sink Part# 20760
Approved high density white polyethylene sink provides a low cost way to upgrade to Grade A. Comes with mounting screws.
16" wide × 10" high × 3" deep.

S.S. Hand Wash Basin with Faucet and Drain
High Quality Seamless Stainless Steel Sink
12¾" × 12¾" × 4"

DESCRIPTION	PART#
Complete w/ faucet & drain assy.	20770
Basin less faucet	20771
Faucet only (shown on sink)	20795
Drain assembly	20043

Rubber Lab Stopper-Plugs

NO.	TOP	BOTTOM	HEIGHT	PART#
00	19⁄32"	13⁄32"	1"	20261
0	21⁄32"	1⁄2"	1"	20262
1	¾"	9⁄16"	1"	20263
2	25⁄32"	5⁄8"	1"	20264
3	15⁄16"	23⁄32"	1"	20265
4	1"	¾"	1"	20266
5	1 1⁄16"	29⁄32"	1"	20267
6	1¼"	1 1⁄32"	1"	20268
7	1 7⁄16"	1 3⁄16"	1"	20269
8	1 5⁄8"	1 5⁄16"	1"	20270
9	1¾"	1 15⁄32"	1"	20271
10	1 31⁄32"	1 5⁄8"	1"	20272
11	2 13⁄64"	1 7⁄8"	1"	20273
12	2½"	2 1⁄8"	1"	20274
13	2 11⁄16"	2 9⁄32"	1"	20275
14	3½"	3"	1½"	20276
15	4"	3¼"	1½"	20277

Safgard™ Vertical Tanks

- Mini CIP tank with 14 inch legs
- Helps prevent heat loss
- Can be combined to make a 2 or 3 tank CIP system
- 16 gauge - type 304 SS 2B Finish
- Standard tank stripe blasted on outside
- Standard tank totally ground on inside
- Includes Life Cover 2/3 1/3
- Additional Cost for Inlets on Cover and Spray Ball

CAPACITY	SIZE	PART#
85 gallon	23" × 46"	20120
100 gallon	27" × 48"	20121
150 gallon	31" × 48"	20122
200 gallon	35" × 48"	20123

Safgard™ Jetter Washer Systems

Hang-It-All Jetter System
Now one unit will hold DeLaval™, Surge™, Bou-Matic™, Universal™ and Safgard™ Claws

Hang-It-All Jetter System Complete With:
Plastic Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42656
Fits Surge™	42657
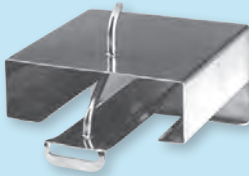
Hang-It-All Jetter System Complete With:
SS Distributor Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42658
Fits Surge™	42659
Hang-It-All cover only	42655

Heavy Duty Jetter System
H.D. Jetter System complete with:
Plastic Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42671
Fits Surge™	42672
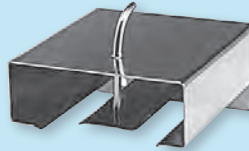
H.D. Jetter System Complete With:
SS Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42662
Fits Surge™	42663
Heavy duty cover only	42674

National Jetter System
Cup guides are designed for easy cup removal and replacement without wear.

National Jetter System Complete With:
Plastic Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42653
Fits Surge™	42654

National Jetter System Complete With:
SS Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42651
Fits Surge™	42652
National cover only	42650

Wire Rack Jetter System

Wire Rack Jetter System Complete W/:
Plastic Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42647
Fits Surge™	42646

Wire Rack Jetter System Complete W/:
SS Dist. Tee, Cups & Duckbill Drain

DESCRIPTION	PART#
Fits DeLaval™ and Bou-Matic™	42649
Fits Surge™	42648
Wire Rack cover only	42645

Safgard™ Jetter Cups & Parts

Cup only for Bou-Matic™, DeLaval™
$1\frac{3}{8}$" × $2\frac{1}{2}$"
Part# 42673

Cup Only For Surge™, Sta-Rite™
$2\frac{1}{8}$"
Part# 42678

Stainless Steel Distributor Tee
Part# 42694

Plastic Distributor
Part# 42667

Plastic Tygon Connector
Part# 42668

Plastic Tee
Part# 42669

Rubber Duckbill Drain
Part# 42695

Milk-Rite™ Jetter Cups

MFR#	DESCRIPTION	PART#
#7330	For Surge™ 2"	42675
#7340	For Bou-Matic™ $1\frac{9}{16}$"	42679
#7350	For DeLaval™ $1\frac{3}{8}$"	42676
#7360	For DeLaval™ $1\frac{1}{2}$"	42677

Manifold Cups Only
for Stainless Steel Unit Washer

DESCRIPTION	PART#
$1\frac{7}{8}$" ID Black cups For DeLaval™ 01 liner (thick)	42682
2" ID Black cups For Surge™BouMatic™ stretch bore liners (thick)	42683

Drawer Style CIP Rack

Compact, high quality, stainless steel Drawer style CIP Rack with excellent drainage. The rubber cups are a sturdy "snap-in" style for quick attachment and removal. The bottom slot openings allow exceptional drainage. Drawer size is 12" long × 8½" wide × 2¼" deep.

DESCRIPTION	PART#
CIP rack only, drawer style	42610
Black knob for drawer CIP rack	42611
Stop guide for drawer CIP rack	42612
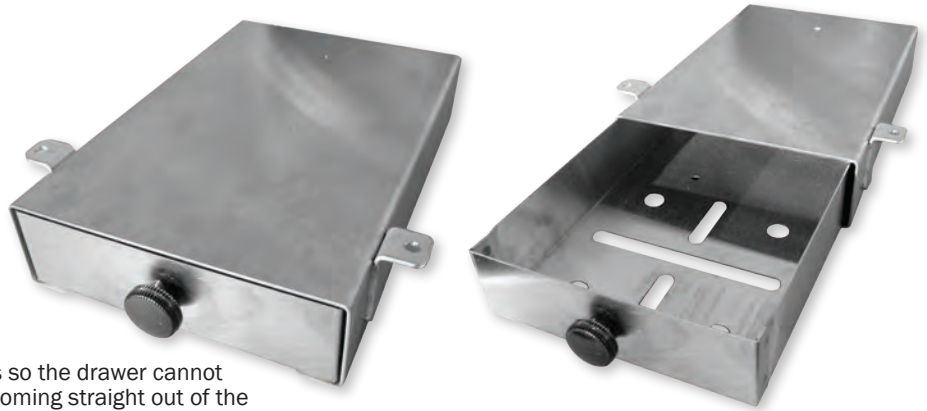
Under curb sliding CIP Drawer

This CIP mounts with side blocks. The tray has stops so the drawer cannot be pulled out. The drain is a ⅝" ID stainless nipple coming straight out of the bottom.

DESCRIPTION	PART#
Under curb mount sliding CIP rack (49.5mm version)	42620
Includes block for smaller head inflations	
Under curb mount sliding CIP rack (50.5mm version)	42621
Includes block for DeLaval™ or Westfalia™ shells	
O-Ring for under curb CIP	42623
49.5mm block only for under curb CIP for smaller head inflations	42620-1
50.5mm block only for under curb CIP DeLaval™ or Westfalia™ shells	42621-1
Set of 2 mounting slides for under-curb CIP	42624
Drain assembly for drawer or fold-down CIP rack	42625
Stainless mounting plate for under-curb CIP rack	42626
Under curb mount sliding CIP rack (52mm version) w/ block	42627
52mm block only for under curb mount CIP	42627-1
Under curb mount sliding CIP rack (55mm version) w/ block	42628
55mm block only for under curb mount CIP	42628-1
Under curb mount sliding CIP rack (56.5mm version) w/ block	42629
56.5mm block only for under curb mount CIP	42629-1
Under curb mount sliding CIP rack (59mm version) w/ block	42630
59mm block only for under curb mount CIP	42630-1

Fold down CIP Tray

This sturdy fold-down CIP only requires minimal curb space when in an upright position. The ⅝" wash nipple comes out the side to avoid pinching the hose when unit is lowered.

DESCRIPTION	PART#
Fold-Down CIP tray, 49.5mm, for smaller head inflations	42615
49.5mm Block Only for Fold-Down CIP	42615-1
Fold-Down CIP tray, 50.5mm, for DeLaval™ or Westfalia™ shells	42616
50.5mm Block Only for Fold-Down CIP	42616-1
52mm Fold-Down CIP Tray with Block	42618
52mm Block Only for Fold-Down CIP	42618-1
55mm Fold-Down CIP Tray with Block	42619
55mm Block Only for Fold-Down CIP	42619-1
Fold-Down CIP tray, 56.5mm w/ block	42613
56.5mm block only for fold-down CIP	42613-1
Fold-Down CIP tray, 59mm, w/ block	42614
59mm block only for fold-down CIP	42614-1
Fold-Down CIP tray, 57mm, for Surge™ or Bou-Matic™ shells	42617
57mm Block for CIP tray for Surge™ or Bou-Matic™ shells	42617-1
Drain assembly for drawer or fold-down CIP rack	42625

Stainless Steel Wash Line Restrictors

Line restrictors for holding back wash water to create balance during the wash cycle. ⅛" Pilot holes can be drilled on the job-site to desired size.

DESCRIPTION	PART#
1½" with ⅛" Hole	45255-1
2" with ⅛" Hole	45258-1
1½" with ¾" Hole	45255
2" with ⅞" Hole	45258

Jetter Restrictor

For all above systems fits ⅝" I.D. Tube Stock. Flow rate is ½ Gal. per minute.
Part# 42696

Stainless Steel Pipeline Tubing
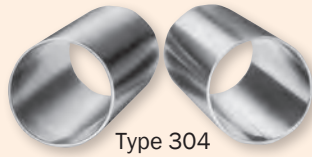
Type 304

Pre-Fabricated Welded Pipelines to Your Specifications

Welding Charge - Part# 44848-A
Cutting Charge - Part# 44848-B

S.S. Polished I.D. And O.D. Tubing

SIZE O.D.	GAUGE	CASE LOT	PART#
1"	18	300 ft.	44840
1"	16	300 ft.	44841
1½"	18	300 ft.	44842
1½"	16	300 ft.	44843
2"	18	300 ft.	44844
2"	16	300 ft.	44845
2½"	16	200 ft.	44847
3"	16	200 ft.	44848
4"	14	100 ft.	44849
4"	16	100 ft.	44849-1
¾" OD Welded Nipple To Tube			44848-1
⅞" OD Welded Nipple To Tube			44848-2

S.S. Unpolished Type 304 16 Ga.
• Sold in 5' increments
• Welded tube

SIZE O.D.	PART#
⅜"	39744
⁷⁄₁₆"	39745
½"	39746
⅝"	39748
⁹⁄₁₆"	39749
¹¹⁄₁₆"	39750
¾"	39751
⅞"	39754

Pre-fabricated welded pipeline milking systems: Built to meet US requirements, Schlueter's welded milking systems are built to your own dimensions. Just clamp the pipeline in place on the site, saving valuable time. Fill in the order form located in the back of the catalog on page 125. Fax it to 608-755-5440, and we will give you pricing on your specific project.

Clamps

"V" Insert Clamp

SIZE	PART#
1½"	44890
2"	44891
2½"	44892
3"	44893
4"	44894

Quick Clamp

SIZE	PART#
1½"	44870
2"	44871
2½"	44872
3"	44873
4"	44874

Hinged HD Clamp

SIZE	PART#
1½"	44900
2"	44901
2½"	44902
3"	44903
4"	44904
Wing Nut	44900-1

Surge™ Clamp

SIZE	PART#
1½"	45231
2"	45232

Gaskets

Tri-Clamp Gaskets

SC40 Hycar

SIZE	PART#
1½"	45193
2"	45194
2½"	45195
3"	45196
4"	45197
6"	45197-1

Teflon Envelope

SIZE	PART#
1½"	45198
2"	45199
2½"	45200
3"	45201
4"	45202

Solid Teflon

SIZE	PART#
1½"	45275
2"	45276
2½"	45277
3"	45278
4"	45279

Rubber Flanged

SIZE	PART#
1"	45216
1½"	45243
2"	45244
2½"	45245
3"	45246
4"	45247

Bevel Seat, Surge™ Replacement & Misc. Gaskets

Bevel Seat Gasket (Thin Standard)

SIZE	THICK PART#	THIN PART#
1½"	45209	46461
2"	45210	46462
2½"	45211	46463
3"	45212	NA
4"	45213	NA

Replacement for Surge™ Gasket

SIZE	PART#
1½"	45238
2"	45239

Screen Gasket

SIZE	PART#
1½"	47335
2"	47335-1
3"	47335-2

EPDM Perforated Gasket .033

SIZE	PART#
1½"	45350
2"	45351
2½"	45352
3"	45353
4"	45354

Teflon Bevel Seat Gasket (Thin Standard)

SIZE	THICK PART#	THIN PART#
1"		46465
1½"	44916	46466
2"	44917	46467
2½"	44918	46468
3"	44919	46469
4"	44919-1	46470

Surge™ Teflon Gasket Replacement

SIZE	PART#
1½"	44906
2"	44907

DeLaval™ Flat Gasket Replacement

SIZE	RUBBER PART#	TEFLON PART#
1½"	45191	45191-1
2"	45192	45192-1

Flanged Face
For 1" Pipeline 1½" Fitting

COLOR	PART#
Black	45216
White	45217

Ferrules

SC14R Roll-On Tri-Clamp

SIZE	PART#
1"	45146
1½"	45147
2"	45148
2½"	45149
3"	45150
4"	45151

SC2CS Short Weld-On Tri-Clamp

SIZE	PART#
1"	45140
1½"	45141
2"	45142
2½"	45143
3"	45144
4"	45145

Long Weld-On Tri-Clamp

SIZE	PART#
1"	45365
1½"	45366
2"	45367
2½"	45368
3"	45369
4"	45370

Bevel Seat Male Roll-On/Weld-On

SIZE	ROLL-ON 14R PART#	WELD-ON 14PR PART#
1"	45158	45152
1½"	45159	45153
2"	45160	45154
2½"	45161	45155
3"	45162	45156
4"	45163	45157

Threaded Roll-On/Weld-On

SIZE	ROLL-ON 15R PART#	WELD-ON 15TR PART#
1"	45170	45164
1½"	45171	45165
2"	45172	45166
2½"	45173	45167
3"	45174	45168
4"	45175	45169

Glass Roll-On

SIZE	PART#
1½"	45178
2"	45179

Glass Weld-On

SIZE	PART#
1½"	45176
2"	45177

Reducing Ferrule Weld-On Tri-Clamp

SIZE	PART#
1½" × 1"	46767-1
2" × 1½"	46768-1
2½" × 1½"	46769-1
2½" × 2"	46770-1
3" × 1½"	46771-1
3" × 2"	46772-1
3" × 2½"	46773-1

Surge™ Roll-On Replacement

SIZE	PART#
1½"	45187
2"	45188

Tees
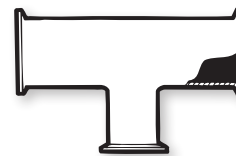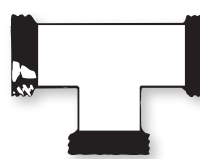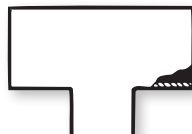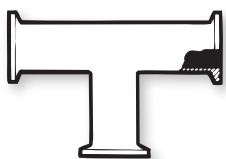
SC7 Clamp

SIZE	PART#
1"	44968
1½"	44969
2"	44970
2½"	44971
3"	44972
4"	44973

S7 WWW Weld

SIZE	PART#
1"	44925
1½"	44926
2"	44927
2½"	44928
3"	44929
4"	44930

7 Threaded

SIZE	PART#
1"	44998
1½"	44999
2"	45000
2½"	45001
3"	45002

Clamp and Weld "T" with Leg

SIZE	PART#	
2" × 1½"	45248	Clamp
3" × 1½"	45240	Clamp
3" × 2"	45241	Clamp
2" × 1½"	45248-1	Weld
3" × 1½"	45240-1	Weld
3" × 2"	45241-1	Weld

Wash Y's

WASH Y Tri-Clamp

SIZE	# TRI-CLAMP
1½"	46820
2"	46821
2½"	46822
3"	46823
4"	46824

WASH Y Weld Type

SIZE	# WELD
1½"	46650
2"	46651
2½"	46652
3"	46653
4"	46654

Sani-Pro™ Polypropylene Dairy Fittings

• Meets FDA, USDA and 3A Requirements
• Translucent for visual monitoring of milk and wash solutions

90° Clamp Elbow

SIZE	PART#
1½"	45390
2"	45391
2½"	45392
3"	45393

Clamp Tee

SIZE	PART#
1½"	45385
2"	45386
2½"	45387
3"	45388

Concentric Reducer

SIZE	PART#
1½" × 2"	45395
2" × 3"	45397

90˚ Elbows

SC2C - 90˚ Clamp Ell

SIZE	PART#
1"	44956
1½"	44957
2"	44958
2½"	44959
3"	44960
4"	44961

S2S - 90˚ Weld Ell

SIZE	PART#
¾"	44909
⅞"	44909-1
1"	44910
1½"	44911
2"	44912
2½"	44913
3"	44914
4"	44915

S2WC - 90˚ Short Weld Ell

SIZE	PART#
1"	44675
1½"	44676
2"	44677
2½"	44678
3"	44679
4"	44680

S2C - 90˚ Weld to Clamp Ell

SIZE	PART#
1½"	44951
2"	44952
2½"	44953
3"	44954
4"	44955

SC2C31 - 90˚ Reducer Ell

SIZE	PART#
2" × 1½"	46737
2½" × 1½"	46738
2½" × 2"	46739
3" × 1½"	46740
3" × 2"	46741
3" × 2½"	46742
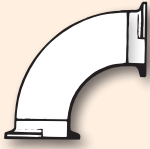
2C - 90˚ Threaded Ell

SIZE	PART#
1"	44986
1½"	44987
2"	44988
2½"	44989
3"	44990
4"	44991

SC2F15 - 90˚ Clamp to Thread Ell

SIZE	PART#
1"	46749
1½"	46750
2"	46751
2½"	46752
3"	46753
4"	46754

SC2F14 - 90˚ Clamp-Bevel w/Nut Ell

SIZE	PART#
1"	46743
1½"	46744
2"	46745
2½"	46746
3"	46747
4"	46748

2E - 90˚ Bevel/Nuts Ell

SIZE	PART#
1"	46715
1½"	46716
2"	46717
2½"	46718
3"	46719
4"	46720

2F - 90˚ Bevel to Thread with Nut Ell

SIZE	PART#
1"	45022
1½"	45023
2"	45024
2½"	45025
3"	45026
4"	45027
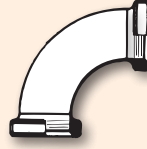
S2T - 90˚ Thread to Weld Ell

SIZE	PART#
1½"	44981
2"	44982
2½"	44983
3"	44984
4"	44985
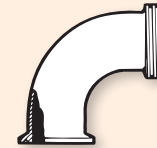
S2F - 90˚ Bevel w/Nut to Weld Ell

SIZE	PART#
1½"	45017
2"	45018
2½"	45019
3"	45020
4"	45021

90˚ Clamp to Glass

SIZE	PART#
1½"	46784
2"	46785
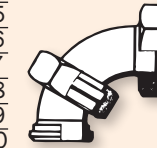
90˚ Glass to Glass

SIZE	PART#
1½"	45053
2"	45054
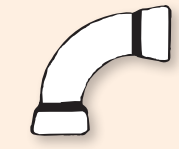
Replacements for Surge™ 90˚ Ell

SIZE	PART#
1½"	45082
2"	45083
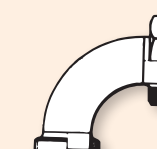
Surge™ to Weld 90˚ Ell

SIZE	PART#
1½"	45076
2"	45077
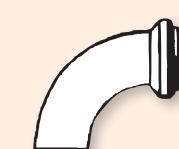
45˚ Elbows

SC2K 45˚ Clamp Ell

SIZE	PART#
1"	44962
1½"	44963
2"	44964
2½"	44965
3"	44966
4"	44967

S2KS 45˚ Weld Ell

SIZE	PART#
1"	44920-1
1½"	44920
2"	44921
2½"	44922
3"	44923
4"	44924

2P Bevel Seat 45˚ Ell

SIZE	PART#
1"	45028
1½"	45029
2"	45030
2½"	45031
3"	45032

2K Threaded 45˚ Ell

SIZE	PART#
1"	44992
1½"	44993
2"	44994
2½"	44995
3"	44996

Safgard™ Vacuum Drain Valve

COMPLETE UNIT	PART#
(Hose, shut-off, elbow)	45284
⅜" OD Drain Nipple	
Diaphragm - small valve	45729
Diaphragm - large valve	45728
1½" Ell only	45267
2" Ell only	45137
Large valve only	45282
⅜" × 18" Hose	45265
⅜" Hose per ft.	45265-1

SS 90˚ Drain Elbow

SIZE	PART#
1½"	45135
1½" w/ lateral nipple	45135-1
2"	45136
2" w/ lateral nipple	45136-1

Std ¹¹⁄₁₆" O.D. drain nipple.

End Caps

SC16A Clamp

SIZE	PART#
1½"	45103
2"	45104
2½"	45105
3"	45106
4"	45107
6"	45102

16A Bevel Seat

SIZE	PART#
1"	45113
1½"	45114
2"	45115
2½"	45116
3"	45117
4"	45118

16AP Plastic

SIZE	PART#
1½"	46672
2"	46674
3"	46674-1

To order end caps with nipples, please specify O.D. by ending part numbers per example:

45108	with ¹¹⁄₁₆" OD Nipple
45108-1	with ⅝" OD Nipple
45108-2	with ¾" OD Nipple
45108-3	with ⅞" OD Nipple
45108-4	with 1" OD Nipple

SC16A with Concentric Nipple

SIZE	PART#
1½"	45108
2"	45109
2½"	45110
3"	45111
4"	45112

SC16A with Eccentric Nipple

SIZE	PART#
1½"	46710
2"	46711
2½"	46712
3"	46713
4"	46714

16A Bevel Seat (concentric nipple)

SIZE	PART#
1"	46787
1½"	46788
2"	46789
2½"	46790
3"	46791
4"	46792

16A Bevel Seat (eccentric nipple)

SIZE	PART#
1"	45119
1½"	45120
2"	45121
2½"	45122
3"	45123
4"	45124
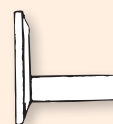
SC16A with Eccent. & Drain Nipple

SIZE	PART#
1½"	46695
2"	46696
2½"	46697
3"	46698
4"	46699
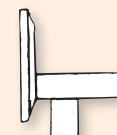
180˚ U-Bends

180˚ Weld U Bend

SIZE	PART#
1"	44931
1½"	44932
2"	44933
2½"	44934
3"	44935
4"	44936

180˚ Clamp U Bend

SIZE	PART#
1"	44974
1½"	44975
2"	44976
2½"	44977
3"	44978
4"	44979

180˚ Threaded U Bend

SIZE	PART#
1"	45004
1½"	45005
2"	45006
2½"	45007
3"	45008
4"	45009

180˚ U Bend - 6" and 9½" on Center

WELD TYPE	PART#
3" - 6" Center	44935-1

CLAMP TYPE	PART#
2½" - 6" Center	44977-1
3" - 6" Center	44978-1
4" - 9½" Center	44979-1

20˚ Trap U Bend - Long Gooseneck for Large Receivers

SIZE	PART# CLAMP TYPE
3"	48221
4"	48222

3" Trap bend is 26" on center
4" Trap bend is 29" on center

Hex Nuts

SS Hex Nut

SIZE	PART#
1"	45203
1½"	45204
2"	45205
2½"	45206
3"	45207
4"	45208

13 HP Plastic Hex Nut

SIZE	PART#
1½"	46671
2"	46673
3"	46673-1

Adapters
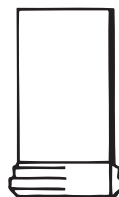
SIZE	Tri-Clamp SC14AHT PART#	Bevel Seat 14AHT PART#
1"	46761	46721
1½"	46762	46722
2"	46763	46723
2½"	46764	46724
3"	46765	46725
4"	46766	46726

15AHT Threaded

SIZE	PART#
1"	46727
1½"	46728
2"	46729
2½"	46730
3"	46731
4"	46732

NPT x Tri-Clamp Adapters

SIZE	LENGTH	PART#
1½"	× 3"	48754-1
2"	× 8"	48752
2"	× 3"	48754
3"	× 8"	48745
3"	× 3"	48746

Reducers

S31W Weld Concentric

SIZE	PART#
1½" × 1"	45089-1
2" × 1½"	45089
2½" × 1½"	45090
2½" × 2"	45091
3" × 1½"	45092
3" × 2"	45093
3" × 2½"	45094
4" × 1½"	45095
4" × 2"	45096
4" × 2-½"	45097
4" × 3"	45098

S32 Weld Eccentric

SIZE	PART#
1½" × 1"	46700-1
2" × 1½"	46700
2½" × 1½"	46701
2½" × 2"	46702
3" × 1½"	46703
3" × 2"	46704
3" × 2½"	46705
4" × 1½"	46706
4" × 2"	46707
4" × 2½"	46708
4" × 3"	46709
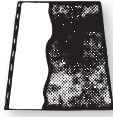
SC31CC Clamp Concentric

SIZE	PART#
1½" × 1"	46774
2" × 1½"	46775
2½" × 1½"	46776
2½" × 2"	46777
3" × 1½"	46778
3" × 2"	46779
3" × 2½"	46780
4" × 2"	46781
4" × 2½"	46782
4" × 3"	46783

SC32CC Clamp Eccentric

SIZE	PART#
1½" × 1"	46655
2" × 1½"	46656
2½" × 1½"	46657
2½" × 2"	46658
3" × 1½"	46659
3" × 2"	46660
3" × 2½"	46661
4" × 2"	46662
4" × 2½"	46663
4" × 3"	46664

Crosses

G9WWWW Cross Weld

SIZE	PART#
1½"	44942
2"	44943
2½"	44944
3"	44945
4"	44946

SC9 Cross Clamp

SIZE	PART#
1"	46755
1½"	46756
2"	46757
2½"	46758
3"	46759
4"	46760

9 Cross Threaded

SIZE	PART#
1½"	45011
2"	45012
2½"	45013
3"	45014
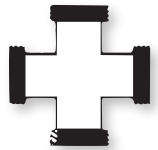
Wall & Ceiling Plates
- 100% Rust Proof
- Non-Corrosive
- Chrome Plated Plastic

AVAILABLE FOR:	PART#
2" PVC Pipe	44853
3" PVC Pipe	44854
4" PVC Pipe	44855

S.S. Weld Collar Wall Flanges
- Beveled edges
- Must slide onto tube

SIZE	PART#
1½" WCP	31601
1½" WCF	31603
2" WCP	31600
2" WCF	31604
2½" WCP	31599
3" WCP	31598
3" WCF	31602
4" WCP	31596

TUBING

SIDE VIEW

WCP

WCF
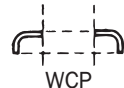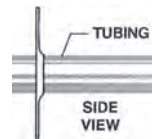
Rubber Fittings for 1½" SS Tubing

1½" Rubber End Cap
Part# 46843

1½" Rubber Coupling
Part# 46844

1½" Rubber Elbow
Part# 46845

Rubber Fab™ Sanitary Polysulfone Sight Gauges

Sight Gauges

TC SIZE	DESCRIPTION		PART#
1½"	Sanitary Sight Glass 12" Long	160 psi	44860
2"	Sanitary Sight Glass 12" Long	130 psi	44861
2.5"	Sanitary Sight Glass 12" Long	90 psi	44862
3"	Sanitary Sight Glass 12" Long	70 psi	44863
4"	Sanitary Sight Glass 12" Long	40 psi	44864

*Note, Pricing is Upon Request. Specify Different Lengths if Desired.

201 Hose Rack
Part# 21604

SR Hose Rack
Part# 21602
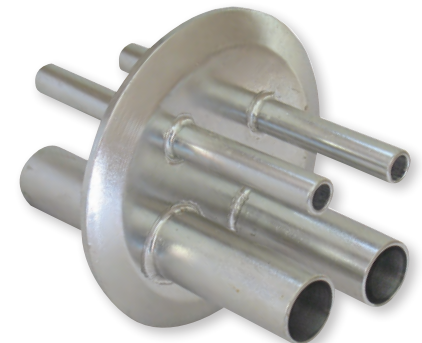
Hose routing ports
- Sanitary method for coupling hoses in subway mounted barns
- Designed for a standard 3" tri-clover fitting

DESCRIPTION	PART#
4 Nipple subway cap w/ 4" tubes 2 × ⁹⁄₃₂" ID & 2 × ⅝" ID	44856
4 Nipple subway cap w/ 4" tubes 2 × ⁹⁄₃₂" ID, 1 × ⅝" ID & 1 × ¾" ID	44857

Safgard™ Stainless Steel Horizontal Traps

- With plexiglass cover & gasket
- With tri-clamp & thread inlets
- 12 diameter" x 18 long" - 8 Gallon Cap.

3" × 3" Horizontal Trap
Clamp By Thread
Part# 48791
Clamp By Clamp
Part# 48791-A

4" × 4" Horizontal Trap
Complete Unit - Part# 48792

Standard Plexiglass Cover & Gasket
Part# 48793

Std. Gasket Only
11" ID × 13" OD
Part# 48791-2

Beco™ Style Gasket Only
(Not Shown)
9½" ID × 11" OD
Part# 48810

Beco™ Style Cover Only
(Not Shown)
Part# 48811

Trap Balls

DESCRIPTION	PART#
2¾" Plastic float ball	45761
4¼" Plastic float ball	48677
5" Plastic float ball	25536
6" Plastic float ball	25537
4" Stainless Steel Ball	48793-3
5" Stainless Steel Ball	48793-2
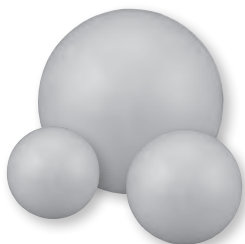
20˚ Trap U Bend - Long Gooseneck For Large Receivers

SIZE	PART# CLAMP TYPE
3"	48221
4"	48222

3" Trap bend is 26" on center
4" Trap bend is 29" on center

Safgard™ Stainless Steel Vertical Traps

DESCRIPTION	PART#
2" × 2"	45670
3" × 3"	45671
12 qt. bail complete only	45672
12 qt. pot only	48678

S.S. Deluxe Vert. 24 QT. Trap

DESCRIPTION	PART#
2" × 2" complete	45675
3" × 3" complete	45676
24 qt. bail complete only	45677
24 qt. pot only	45677-1
2" × 2" cover only	45678
3" × 3" cover only	45679
Gasket 8½" ID × 9½" OD	48681
Rubber Duckbill	42695

Part# 48750-5

3 Gallon Polyethylene Moisture Trap Assembly
Part# 48750 (Without Bend)
Unit Consists of:

DESCRIPTION	PART#
1 - 4¼" Adapter Sleeve	48750-1
1 - 3¾" Adapter Sleeve	48750-2
1 - 4" Float Ball	48677
1 - Top Cleanout Cap	48750-3
1 - 3 Gallon Poly Body	48750-4
1 - Rubber Duckbill	42695
3" 135˚ Trap Bend (Sold Separately)	48750-5

1½" Plastic Blue Coupling for Glass
Part# 45326

1½" Plastic White Coupling for Glass
Part# 45325

Part# 45286

Part# 45288

Part# 45289

Part# 45343

Part# 45289

Part# 45287

2" Nylon Glass Coupling
Part# 45292-1

Part# 45292-3

Part# 45479

Part# 45292-4

Part# 45292-5

Part# 45292-2

Chrome Plated Coupling Parts

Size	A	C
1½"	44570	44572
2"	44576	

Size	D	F
1½"	44573	44575
2"	44579	44581

Stainless Steel Disc Valves

1½" Disc Valve Part# 44554

1½" Rubber Only Part# 44551

2" Disc Valve Part# 44555

2" Rubber Only Part# 44552

Four Position Butterfly Valve

SIZE	TRICLAMP #	WELD #	INSERT #
1½"	45460	45465	45460-1
2"	45461	45466	45461-1
2½"	45462	N/A	45462-1
3"	45463	N/A	45463-1
4"	45464	N/A	45464-1

Tri-Clover™ Style Clamp Type Plug Valves

SIZE	DESCRIPTION	2-WAY PART#	3-WAY PART#
1½"	SS Core	44490	44520
2"	SS Core	44491	44521
2½"	SS Core	44492	44522
3"	SS Core	44493	44523
1½"	Rubber Core	44494	44524
2"	Rubber Core	44495	44525
2½"	Rubber Core	44496	44526
3"	Rubber Core	44497	44527

Wash Plug Sets for SS Clamp Tee

SIZE	DESCRIPTION	PART#
2"	Wash plug set	44947
3"	Wash plug set	45139

SIZE	PART#
2" Long plug	44949
2" Short plug	44948
3" Long plug	45127
3" Short plug	45128

Safgard™ SS Type 304 Valves

SIZE	CLAMP TYPE PART#	OLD SEAL TYPE PART# ORANGE	NEW SEAL ONLY PART#
1"	45470	45435-1	45470-1
1½"	45471	45436-1	45471-1
2"	45472	45437-1	45472-1
2½"	45473	45438-1	45473-1
3"	45474	45439-1	45474-1
4"	45475	45440-1	45475-1
Handle	45434		

Safgard™ Bulk Tank Valves

SIZE	DESCRIPTION	PART#
1½"	Bevel seat w/ nut to thread	44535-1
1½"	Tri-Clamp to thread	44535-2
2"	Bevel seat w/ nut to thread	44536-1
2"	Tri-Clamp to thread	44536-2
3"	Bevel seat w/ nut to thread	44538-1
3"	Tri-Clamp to thread	44538-2

Butterfly Valves Clamp Type

SIZE	PART#
1"	44589
1½"	44590
2"	44591
2½"	44592
3"	44593
4"	44594

Weld Type

SIZE	PART#
1"	44583
1½"	44584
2"	44585
2½"	44586
3"	44587
4"	44588

Seals for both clamp and weld valves are the clamp valve part number followed by a dash one (-1) suffix. (Example 44590-1)

Air Operated Clamp Type Butterfly Valve

304/SS SIZE	DESCRIPTION	COMPLETE PART#	SEAL ONLY PART#
1"	Air Operated Valve	45410	45435-1
1½"	Air Operated Valve	45411	45436-1
2"	Air Operated Valve	45412	45437-1
2½	Air Operated Valve	45413	45438-1
3"	Air Operated Valve	45414	45439-1
4"	Air Operated Valve	45415	45440-1
	Air Actuator Only	45418	

2" Rubber Wash Diverter for Glass Tee Part# 45295
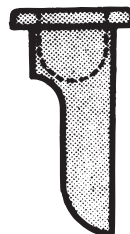
Rubber Wash Plug for SS Tee

SIZE FOR STAINLESS	PART#
2" Set	44950-2
2" Short Plug	44950
2" Long Plug	44950-1

Milk Valves

Strap-On Milk Valves
For 1½" & 2", 2½" & 3" lines

PIPE SIZE	HOSE SIZE	PART#
1½" - 2"	¹¹⁄₁₆" for ⁹⁄₁₆"	25000
2½" - 3"	¹¹⁄₁₆" for ⁹⁄₁₆"	25001
1½" - 2"	¾" for ⅝"	25002
2½" - 3"	¾" for ⅝"	25003
1½" - 2"	⅞" for ¾"	25016
2½" - 3"	⅞" for ¾"	25017
1½" - 2"	1" for ⅞" - 1"	25007
2½" - 3"	1" for ⅞" - 1"	25008

DESCRIPTION	PART#
1½" - 2" Clamp only	25004
2½" - 3" Clamp only	25005
2½" - 4" Clamp only	25005-1
Gasket for ¹¹⁄₁₆" & ¾" Inlet	25006
Gasket for ⅞" & 1" Inlet	25009

Blue Plastic Milk Valves

DESCRIPTION	PART#
1½" - Valve	44794
2" - Valve	44795
2½" - Valve	44796
3" - Valve	44797
O-Ring	447951
Pad Gasket	447952

Classic SS Milk Valve Parts

DESCRIPTION	PART#
Cover Gasket Seal	44787
Milk Line Seal	25006

Canes for Classic SS and Blue Milk Valves

DESCRIPTION	PART#
⁹⁄₁₆" - 90˚ Cane	44799
⅝" - 90˚ Cane	44798
⅝" - 90˚ Reverse Cane	44788

DeLaval™ Replacement Milk Valve & Canes

DESCRIPTION	PART#
2" Milk Inlet, ⅝"	44790
2" Milk Inlet, ⁹⁄₁₆"	44791
⅝" 135˚ cane, plastic	44792
⁹⁄₁₆" 135˚ cane, plastic	44793

Surge™ Replacement Milk Valve Canes & Pads

DESCRIPTION	PART#
2" × ⅝" Pad	46422
3" × ⅝" Pad	46423
2" × ⁹⁄₁₆" Pad	46421
1½" × ⁹⁄₁₆" Pad	46420
⅝" 45˚ cane	46425
⅝" 90˚ cane	46426

90˚ Perpendicular Milk Valves

DESCRIPTION	HOSE SIZE	PART#
1½" - 2"	¾" for ⅝" Hose	25022
2½" - 3"	¾" for ⅝" Hose	25023

90˚ Parallel Milk Valves

DESCRIPTION	HOSE SIZE	PART#
1½" - 2"	¾" for ⅝" Hose	25028
2½" - 3"	¾" for ⅝" Hose	25029
1½" - 2"	⅞" for ¾" Hose	25024
2½" - 3"	⅞" for ¾" Hose	25025

Threaded Strap-On Half Couplings

DESCRIPTION	SIZE	PART#
1½" - 2"	¼"*	46284-1
1½" - 2"	⅜"	25020
1½" - 2"	½"	25021

*Extra deep inlet for thermometer
 Thermometer for above Part# 46284

Safgard™ "Super" Milk Valves
Full flow non-restrictive.

DESCRIPTION	PART#
1½" - 2"	44830
2½" - 3"	44831

REPLACEMENT PARTS	PART#
Block 3¼" × 1¾"	44833
Pad (cover seal)	44834
Collar	44837
Spring	44838
Screw	44839
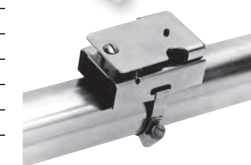
Canes for "Super" Milk Valves

DESCRIPTION	PART#
¾" 90˚ cane for ⅝" hose	44832
¾" Straight cane for ⅝" hose	44835
¾" 135˚ Cane for ⅝" hose	44836

*Please note on 1½" SS do not over tighten the clamp.
This valve is designed for ⅝" to ¾" milk hose.
The hole in the milk line should be ¾".*

Safgard™ Milk Valve Parts (Old Style)

REPLACEMENT PARTS	PART#
Triangular pad for Safgard valve	44810
Block 2½" × 1½"	44808
Spring for valve	44811
Collar for valve	44812

Canes/Adapters

SIZE/STYLE	Part#
¹¹⁄₁₆" OD Straight	44805
¾" OD Straight	44816
90˚ SS ¹¹⁄₁₆" OD for 5/8" hose	44803
135˚ SS ¹¹⁄₁₆" OD for 5/8" hose	44818

Gasket & Cane for Sta-Rite™ Vac-Sav Milk Valves

DESCRIPTION	PART#
1½" - 2" Gasket (909948)	46440
Cane	46438

Safgard™ Pipeline Hangers

L Bracket Hangers
With SS Hose Clamps & Clips

SIZE	PART#
1½" - 2"	46134
2½" - 3"	46114
L - only	46134-1
SS Clip only	46134-2

U Bracket Hangers
With SS Hose Clamps & Clips

SIZE	PART#
1½" - 2"	46137
2½" - 3"	46142
U - only	46137-1

SS Line Support and Cylinder Bracket
The Stainless Steel Kwik-Block.
Fits up to 6" OD tubing. Bracket can
be welded or bolted in place.
3" on center. Great for SS inline filters.
SS band clamps not included.
Part# 44426

Single Line Hangers
Pipeline snaps into place and
stays there.

SIZE	PART#
2½"	46096
3"	46097

Gasket Only For Line Bracer &
Galvanized Pipeline Hangers

DESCRIPTION	PART#
2" Gasket/Insulator	46141

SS PHC Tubing Hangers With Rubber
Grommets Or Plastic Insulators

SIZE	W/GROMMET PART#	W/INSULATOR PART#
1"	46106	46106-A
1½"	46108	46108-A
2"	46109	46109-A
2½"	46110	46110-A
3"	46111	46111-A
4"	46111-1	46111-B

RUBBER GROMMET FOR:

	PART#
1½" and 2½"	46108-1
2", 3" and 4"	46109-1

PLASTIC INSULATORS FOR:

	PART#
1"	46108-2
1½"	46108-3
2"	46108-4
2½"	46108-5
3"	46108-6
4"	46108-7

Poly Clamp Tubing Hangers and Strut

DESCRIPTION	PART#
1½"-SS	46170
2"-SS	46171
2½"-SS	46172
3"-SS	46173
4"-SS	46174
3½"-3" PVC	46175
4½"-4" PVC	46176
16" Mtg rail	46177
24" Mtg rail	46178
48" Mtg rail	46179
Rail Mounting Kit (w/2 Angle Brkts)	46180

Nipple Closures for Inlets

Close-It-All Nipple Closures
One size for ½" to ¾" inlets.
Ball Chain out of top
Part# 46834
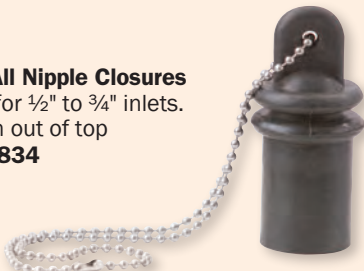
Rubber Spigot Closures

DESCRIPTION	PART#
⅝" Closure	46836
¾" Closure	46837

Rubber Nipple Closures

DESCRIPTION	PART#
Closure for ¾" O.D.	46403

Pipeline Ferruling Tools

Tube Expander

SIZE	PART#
1"	44670-1
1½"	44670
2"	44671
2½"	44672
3"	44673
4"	44674

Sawing Vise

SIZE	PART#
1"	44657
1½"	44660
2"	44661
2½"	44662
3"	44663
4"	44664

Block Holding Vise

SIZE	PART#
1", 1½", 2"	44642

Facing Cutter Only

SIZE	PART#
1½"	44650
2½"	44652
3"	44653
4"	44654

Expanding Block

SIZE	PART#
1"	44665-1
1½"	44665
2½"	44667
4"	44669
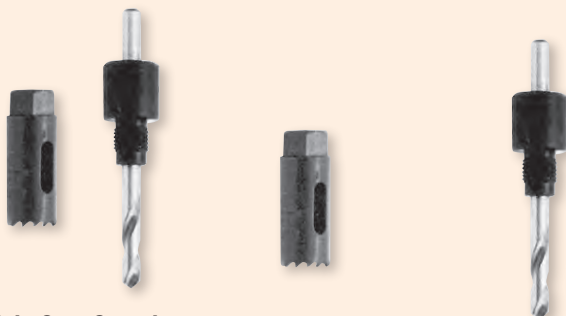
Hole Saws

Hole Saw Complete
(Hole Saw and Arbor)

SIZE	PART#
⅝"	44632
¹¹⁄₁₆"	44634
¹³⁄₁₆"	44631
¾"	44633

Hole Saw Only

SIZE	PART#
⅝"	44626
¹¹⁄₁₆"	44599
¹³⁄₁₆"	44625
¾"	44627

Arbor Only

SIZE	PART#
⅝"	44629
¹¹⁄₁₆"	44598
¹³⁄₁₆"	44628
¾"	44630

Blank Inlet Covers

SIZE / DESCRIPTION	PART#
1½" Cover w/ pad & clamp	25034
2" Cover w/ pad & clamp	25035
3" Cover w/ pad & clamp	25036
4" Cover w/ pad & clamp	25037
Blank Inlet Cover less Clamp & Gasket	25033
Gasket Only for Blank Inlet Cover	25033-1

Safgard™ Tee Line Strainers

Keeps metal parts, gaskets and other materials out of pumps and process equipment. Features a curled tongue perforated (¼" holes) strainer welded to a sanitary clamp cap with stainless bar handle.

Strainers come with Tee, Cap, Clamp & Strainer Assembly

Tee Strainer 1/4" Holes Tri-Clamp

SIZE	PART#
1½"	31863
2"	31863-1
2½"	31863-2
3"	31863-3
4"	31863-4

Tee Strainer 1/8" Holes Tri-Clamp

SIZE	PART#
1½"	31876
2"	31877
2½"	31878
3"	31879
4"	31880
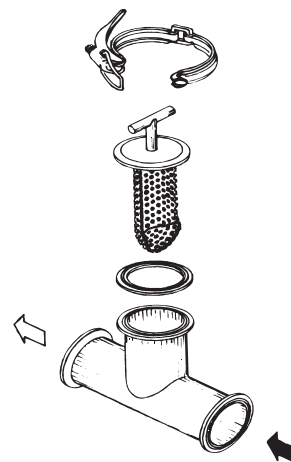
Cap/Strainer Inside Only Available from 1 1/2"-4" for 1/4" and 1/8" Holes as well.

Tuthill Rotary Lobe Pumps
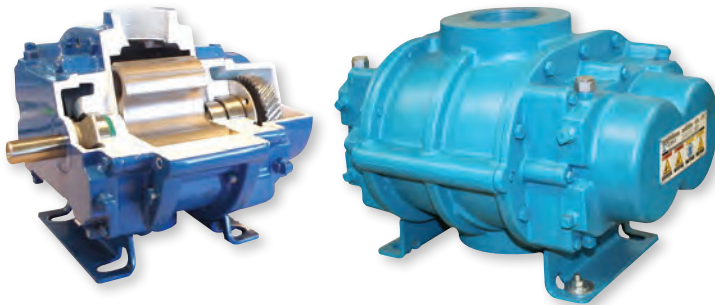
Quick recovery feature means these pumps are great for variable speed installations. A dependable lower cost alternative to the Lobe-Aire systems, Tuthill vacuum pumps are American made.

MODEL	DESCRIPTION	PART#
4005	7.5-10 HP Oil bath both sides	48586
5006	10-15 HP Oil bath both sides	48587
6008	20-25 HP Oil bath both sides	48588
4007	7.5-15 HP Oil bath both sides	48597

MODEL	PART#	HP	RPM	CFM	WT.	NPT	SHAFT
4005	48586	7.5	1820	75	113#	2.5"	⅞"
4005	48586	10	2413	100	113#	2.5"	⅞"
4007	48597	7.5	1750	75	146#	3"	⅞"
4007	48597	10	1900	95	146#	3"	⅞"
4007	48597	15	2050	110	146#	3"	⅞"
5006	48587	10	1500	100	185#	4"	1⅛"
5006	48587	15	2190	150	185#	4"	1⅛"
6008	48588	20	1540	200	310#	5"	1⅜"
6008	48588	25	2000	250	310#	5"	1⅜"

Tuthill Vertical Table Mount Pump Systems Complete
Systems Include: Pump, motor, vertical table and guard, pulley kit, and muffler.

MODEL	DESCRIPTION	PART#
4005	7.5hp vertical assembly	48591
4005	10hp vertical assembly	48592
4007	7.5hp vertical assembly	48590
4007	10hp vertical assembly	48590-2
4007	15hp vertical assembly	48590-4
5006	10hp vertical assembly	48593
5006	15hp vertical assembly	48594
6008	20hp vertical assembly	48595
6008	25hp vertical assembly	48596

TUTHILL ROTARY-LOBE VACUUM PUMP PULLEY KITS										
			MOTOR PULLEY		MOTOR BUSHING		PUMP PULLEY		PUMP BUSHING	
PUMP	HP	RPM	SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#
4005	7.5	1750	2B46SDS	48623	SDS 1⅜"	48470-1	2B46SDS	48623	SDS ⅞"	48468
4005	10	1900	2B00SDS	48623-1	SDS 1⅜"	48470-1	2B46SDS	48623	SDS ⅞"	48468
4007	7.5	1750	2B46SDS	48623	SDS 1⅜"	48470-1	2B46SDS	48623	SDS ⅞"	48468
4007	10	1900	2B50SDS	48623-1	SDS 1⅜"	48470-1	2B46SDS	48623	SDS ⅞"	48468
4007	15	2050	2B54SDS	48462	SDS 1⅝"	48471	2B46SDS	48623	SDS 1⅛"	48469
5006	10	1900	2B50SDS	48623-1	SDS 1⅜"	48470-1	2B46SDS	48623	SDS 1⅛"	48469
5006	15	2050	2B54SDS	48462	SD 1⅝"	48471	2B46SDS	48623	SDS 1⅛"	48469
6008	20	1540	3B60SD	48425	SD 1⅝"	48471	3B68SD	48427	SDS 1⅛"	48469
6008	25	2050	4B80SK	48433	SK 1⅞"	48449	4B70SK	48431	SDS 1⅛"	48469

Sutorbilt Lobe Vacuum Pumps

"Oil Splash Lubrication" on both ends. DSL Series is new style and interchangable with old style Sutorbilt pumps.

Sutorbilt Legend DSL R-Series Blowers

DESCRIPTION	RPM	PORTS	SHAFT	HP	CFM	PART#
3M	2550	2"	3/4"	5	60	48390
4M	1920	2.5"	7/8"	7.5	82	48391
4H	2175/2900	1.5"	7/8"	5/7.5	55/84	48392
5M	1875/2400	4"	1 1/8"	15/25	156/200	48393
5H	1520/1975	2.5"	1 1/8"	7.5/10	82/108	48394
6M	1825/2130	5"	1 3/8"	25/30	265/315	48395

SCH Lobe-Aire Vertical Vacuum Pumps

Matched impellers rotating in opposite directions, trap a volume of air at the inlet and move it around the perimeter to the outlet.

This cycle is repeated four times during each revolution of the input shaft. The capacity of the blower is proportional to the speed of rotation, while pressure is generated by system resistance.

Rotation of the impellers is synchronized by helical timing gears which are keyed to the shafts, eliminating contact between impellers.

The blower is engineered for the smoothest possible flow of air. The rotating impellers trap incoming air and move it through the cylinder.

- 100,000 hour bearing life
- Non-wearing oil and shaft seals
- Oil sumps on both ends w/sight glasses
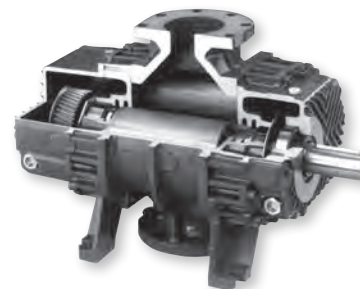
SCH Lobe-Aire Vertical Vacuum Pumps

DESCRIPTION	EXHAUST	PART#	SHIPPING WT. (LBS)
SCH 35 Pump (7.5-10 HP)	3"	48487	215
SCH 55 Pump (10-15 HP)	4"	48489	370
SCH 65 Pump (15-20 HP)	4"	48490	415
SCH 75 Pump (20-30 HP)	5"	48491	510
SCH 85 Pump (30-40 HP)	6"	48492	580

PERFORMANCE MODEL	HP	RPM	12" HG ASME CFM	/ BHP	14" HG ASME CFM	/ BHP
SCH 35	7.5	2850	71	4.7	68	6.8
SCH 35	10	3800	104	7.8	100	9.0
SCH 55	10	2200	119	9.0	115	10.4
SCH 55	15	3200	192	13.0	187	15.0
SCH 65	15	2200	165	12.2	155	14.0
SCH 65	20	3200	257	17.7	247	20.0
SCH 75	15	1450	137	15.5	135	14.0
SCH 75	20	2000	217	18.5	207	19.0
SCH 75	25	2500	287	21.4	280	24.0
SCH 75	30	2800	327	23.0	320	26.5
SCH 85	30	2000	322	24.0	300	27.5
SCH 85	40	2500	430	30.0	410	34.0
SCH 85	40	2800	490	33.2	470	38.5
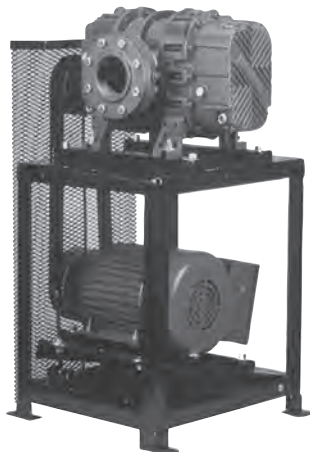
SCH Lobe-Aire Vertical Table Mount Pump Systems Complete

Systems Include:
Pump, motor, large vertical table and guard, pulley kit, muffler and flanges

PART#	DESCRIPTION
48550	SCH35-7.5 HP vert. system
48551	SCH35-10 HP vert. system
48552	SCH55-10 HP vert. system
48553	SCH55-15 HP vert. system
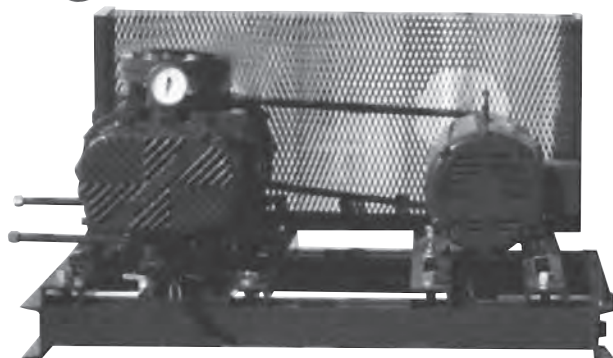
SCH Lobe-Aire Horizontal Base For Vertical Pump Mount Systems Complete With Legs

Systems Include: Pump, motor, large HD base plate and guard, pulley kit, muffler and flanges.

PART#	DESCRIPTION
48535	SCH35-7.5 HP horizontal system
48536	SCH35-10 HP horizontal system
48537	SCH55-10 HP horizontal system
48538	SCH55-15 HP horizontal system
48539	SCH65-15 HP horizontal system
48540	SCH65-20 HP horizontal system
48541	SCH75-15 HP horizontal system
48542	SCH75-20 HP horizontal system
48543	SCH75-25 HP horizontal system
48544	SCH75-30 HP horizontal system
48545	SCH85-30 HP horizontal system
48546	SCH85-40 HP horizontal system

SCH LOBE-AIRE PULLEY KITS											
			MOTOR PULLEY		MOTOR BUSHING		PUMP PULLEY		PUMP BUSHING		
PUMP	HP	RPM	SIZE	PART#	SIZE	PART#	SIZE	PART#	SIZE	PART#	
SCH 35	7.5	2850	3B110SK	48429	SK 1⅜"	48447	3B68SD	48427	SD 38mm	48450-1	
SCH 35	10	3800	3B136SK	48430	SK 1⅜"	48447	3B68SD	48427	SD 38mm	48450-1	
SCH 55	10	2200	3B80SK	48428	SK 1⅜"	48447	3B64SD	48426	SD 48mm	48451-1	
SCH 55	15	3200	3B110SK	48429	SK 1⅝"	48448	3B60SD	48425	SD 48mm	48451-1	
SCH 65	15	2200	3B80SK	48428	SK 1⅝"	48448	3B64SD	48426	SD 48mm	48451-1	
SCH 65	20	3200	3B110SK	48429	SK 1⅝"	48448	3B60SD	48425	SD 48mm	48451-1	
SCH 75	15	1450	4B70SK	48431	SK 1⅝"	48448	4B86SK	48434	SK 55mm	48452-1	
SCH 75	20	2000	4B86SK	48434	SK 1⅝"	48448	4B74SK	48432	SK 55mm	48452-1	
SCH 75	25	2500	4B110SK	48435	SK 1⅞"	48449	4B80SK	48433	SK 55mm	48452-1	
SCH 75	30	2800	4B110SK	48435	SK 1⅞"	48449	4B70SK	48431	SK 55mm	48452-1	
SCH 85	30	2000	4B86SK	48434	SK 1⅞"	48449	4B74SK	48432	SK 55mm	48452-1	
SCH 85	40	2800	4B110SK	48435	SK 2⅛"	48453	4B70SK	48431	SK 55mm	48452-1	

Maxi-Vacuum Variable Speed Vacuum Pump Drive Units

Maxi-Vacuum Variable Speed Vacuum Pump Drive Units
Maxi-Vacuum variable speed drives are shipped pre-programmed. No messing around with confusing manuals. Just set the desired vacuum level with the user friendly keypad and you are done. The Maxi-Vacuum VSD will maintain a stable vacuum due to fast response transducer technology.

Now you can monitor the vacuum level, motor load amperage, and vacuum fluctuation on your personal computer in the home or office. This valuable information is available in real time, at your finger tips. Standard equipment on the Maxi-Vacuum system.

The Maxi-Vacuum VSD acts as the motor starter, motor overload protector, and phase inverter.

The unit can be used with both single phase and three phase power. See wiring diagram on page 130.

Transducer Assembly Part# 48576
Rugged mil. spec. transducers are built for the harsh environment of todays modern dairies. Stable at any temperature or humidity.

Maxi-Vacuum Variable Speed Vacuum Pump Drive Units

DESCRIPTION	PART#
5 hp 240 volt Maxi-Vac Drive	48575
7.5 hp 240 volt Maxi-Vac Drive	48575-1
10 hp 240 volt Maxi-Vac Drive	48575-2
15hp-240 volt Maxi-Vac Drive	48575-3
20hp 240 volt Maxi-Vac Drive	48575-4
25hp 240 volt Maxi-Vac Drive	48575-5
30hp 240 volt Maxi-Vac Drive	48575-6
40hp 240 volt Maxi-Vac Drive	48575-7
5hp 480-volt Maxi-Vac Drive	48577
7.5hp 480-volt Maxi-Vac Drive	48577-1
10hp 480 volt Maxi-Vac Drive	48577-2
15hp-480 volt Maxi-Vac Drive	48577-3
20hp 480 volt Maxi-Vac Drive	48577-4
25hp 480 volt Maxi-Vac Drive	48577-5
30hp 480 volt Maxi-Vac Drive	48577-6
40hp 480 volt Maxi-Vac Drive	48577-7

Line Conditioners for Vacuum Pump Speed Drives

DESCRIPTION	PART#
10hp 240-volt line conditioner	48580-2
10hp 480-volt line conditioner	48580-3
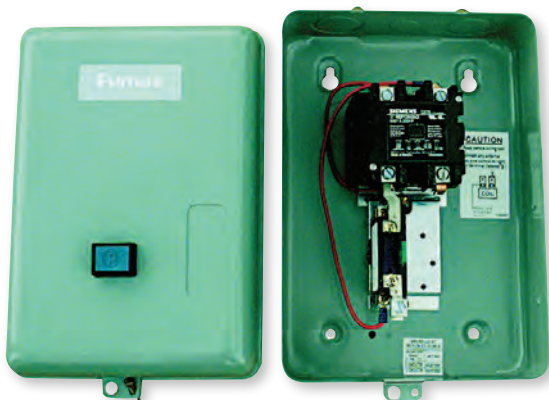
Furnas™ - Steel Boxed Contactors
Can be wall mounted or coupled directly to the work-load. Perfect for Automatic Pipeline washer installations. Available with either 110 volt or 220 volt control coils. 40 Amp and 50 Amp contact ratings.

DESCRIPTION	PART#
50 AMP 2 Pole 120V coil contactor for vacuum pumps up to 10 HP	43632
40 AMP 2 Pole 120V coil contactor for vacuum pumps up to 5 HP	43630
120V Coil Only	43630-1
Box only	43630-2
40 AMP 2 Pole 240V coil contactor for vacuum pumps up to 5 HP	43631
240V Coil Only	43631-1

Vacuum Pump Duty Motors

SINGLE PHASE	PART#
2 HP Motor, 220V, 1 Phase - 182T	48337
3 HP Motor, 220V, 1 Phase - 184T	48338
5 HP Motor, 220V, 1 Phase - 184T	48339
7.5 HP Motor, 220V, 1 Phase - 215T	48340
10 HP Motor, 220V, 1 Phase - 215T	48341

THREE PHASE	PART#
7.5 HP Motor, 220V, 3 Phase - 213T	48342
10 HP Motor, 220V, 3 Phase - 215T	48343
15 HP Motor, 220V, 3 Phase - 254T	48344
20 HP Motor, 220V, 3 Phase - 256T	48345
25 HP Motor, 220V, 3 Phase - 284T	48346
30 HP Motor, 220V, 3 Phase - 286TC	48346-1
40 HP Motor, 220V, 3 Phase - 324TC	48346-2

1.15 Service Factor

Skellerup Masport Rotary Vane Vacuum Pumps

Skellerup Masport Rotary Vane Vacuum Pumps
Skellerup Masport pump heads are proven to be reliable with over 60 years of experience in the dairy industry. Every pump is bench tested and is shipped with guaranteed performance.
Skellerup Masport pumps feature the Safgard drip oiling system.

MODEL	SPEED	AIR FLOW
M2	1195	20CFM
M3	1195	32CFM
M4	1100	50CFM
M 5	1100	55CFM
M 7.5	1100	83CFM

Masport Vertical Pump Systems
Complete vertical system includes: Vacuum pump, oiler, motor, vertical table, and pulley system.

DESCRIPTION	PUMP W/O OILER PART#	PUMP W/ OILER PART#	PULLEY KIT PART#	VERT. SYSTEM COMPLETE PART#	VERT. SYSTEM LESS MOTOR PART#
2HP Skellerup pump	48285	48300	48347	48304	48304-1
3HP Skellerup pump	48286	48301	48348	48305	48305-1
4HP Skellerup pump	48289	48298		48308	48308-1
5HP Skellerup pump	48287	48302	48349	48306	48306-1
7.5HP Skellerup pump	48288	48303	48350	48307	48307-1

PUMP	H.P.	RPM	MOTOR PULLEY SIZE	MOTOR PULLEY PART#	MOTOR BUSHING SIZE	MOTOR BUSHING PART#	PUMP PULLEY SIZE	PUMP PULLEY PART#	PUMP BUSHING SIZE	PUMP BUSHING PART#	BEARINGS PART#	OIL SEAL PART#
M2	2	1195	4.1	48456	SH 1⅛	48465	6.0	48458	SH 25mm	48467	48315	48315-1
M3	3	1195	4.1	48456	SH 1⅛	48465	6.0	48458	SH 25mm	48467	48315	48315-1
M5	5	1100	5.4TB	48462	SDS 1⅛	48469	8.6TB	48463	SK 30mm	48473	48316	48316-1
M7.5	7.5	1100	5.4TB	48462	SD 1⅜	48470	8.6TB	48463	SK 30mm	48473	48316	48316-1

Masport Vacuum Pump Parts
(See Drawing Lower Right)

ITEM	PART#	DESCRIPTION
1	48317-0	End cover bolt
2	48317-1	Coverplate drive end M2 / M3
2	48317-2	Coverplate drive end M5 / M7.5
NP	48317-E	End cover gasket .002 Pink
NP	48317-F	End cover gasket .003 Yellow
3	48315-1	Shaft seal M2 / M3
3	48316-1	Shaft seal M5 / M7.5
4	48315	Bearing M2 / M3
4	48316	Bearing M5 / M7.5
5	48317-3	Bearing shim washer M2 / M3
5	48317-4	Bearing spacer M5 / M7.5
13	48322-3	Rotor and shaft assy. M3
13	48322-4	Rotor and shaft assy. M5
13	48322-5	Rotor and shaft assy. M7.5
8	48322-6	Cylinder M 3
8	48322-7	Cylinder M 5
8	48322-8	Cylinder M 7.5
6	48318	Vane M 2
6	48319	Vane M 3
6	48320	Vane M 5
6	48321	Vane M 7.5
10	48317-5	Flange gasket M2 / M3
10	48317-6	Flange gasket M5 / M7.5
12	48317-8	2" Flange M5 / M7.5

Masport Oiler System
Not sold w/ Schlueters Masport pumps

PART#	DESCRIPTION
48294	2 and 3 HP oiler
48295	5 and 7.5 HP oiler

Masport Oiler System Parts
Not sold w/ Schlueter's Masport pumps

PART#	DESCRIPTION
48294-0	Oil container
48294-1	Gasket
48294-2	Locking ring
48294-3	Cap
48294-4	Wick for M2/3
48294-5	Lock nut
48294-6	Spout
48294-7	Bowl
48294-9	Site glass
48295-0	Wick for M5/7.5
48295-4	Flow meter base
48295-6	Mounting plate
48295-9	Adapter
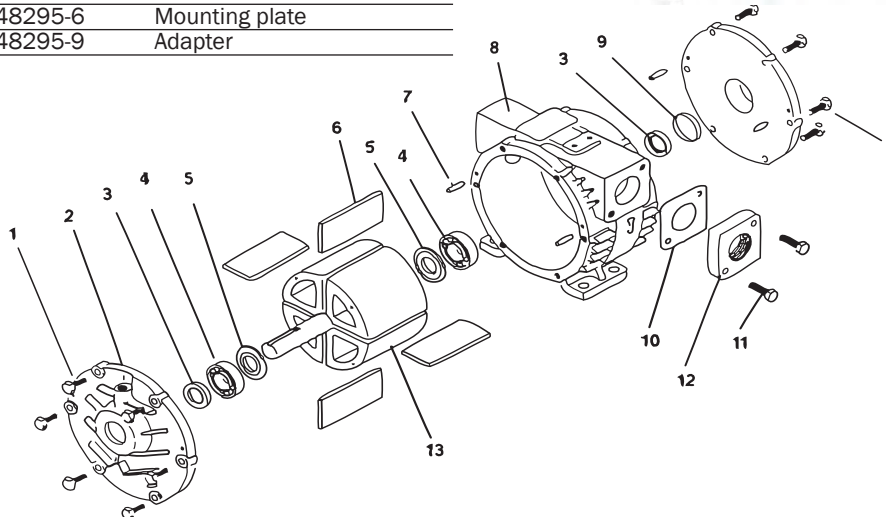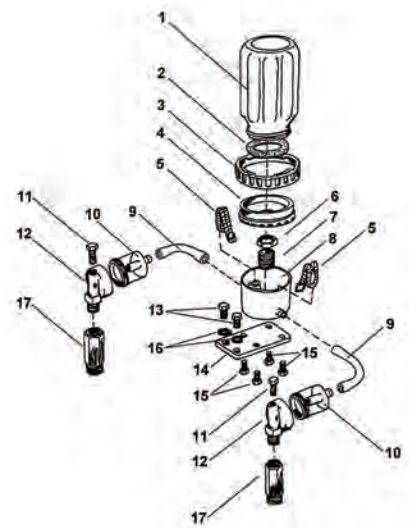
**Safgard™ Oil
Reclaimer/Muffler**

**2" Inlet Reclaimer
Part# 48299**

**Old Style Oil Filter
Part# 48267**
- Reduces oil consumption
- Reduces pump noise
- Adapts to virtually all vane vacuum pumps
- Includes oil filter and brass anti-reversing valve
- New cleanout hole

Safgard™ Rotary Vane/Lobe Oil
Safgard Rotary Vane and Rotary Lobe Vacuum Pump Oils are specifically formulated for use in dairy applications, insuring proper lubrication of vanes, gears, and bearings.

Rotary Vane Oil

DESCRIPTION	PART#
4 × 1 Gallon	48010
5 Gallon Pail	48005

Lobe Vacuum Pump Oil

DESCRIPTION	PART#
14 oz. Lobe Grease	48015
1qt. Synthetic Oil	48016

Oiling System Rotary Vane Vacuum Pumps
Schlueters Oiling System can be used in place of all wick type or drip type oilers. Precision Needle Valve Drippers can be adjusted for all oil types in all climates for accurate metering of bearing and vane lubrication. Double or triple valve configs.

DESCRIPTION	PART#
Large oiler complete 1 gal. (1 single, 1 double dripper)	48198
Large oiler complete 1 gal. (1 single & 2 double drippers ext)	48198-A
Oiler bracket	48198-1
Single dripper	48206
Double dripper	48207
Hose for oilers (sold by foot)	48261
¼" × ⅛" brass male elbow	48207-1
¼" × ⅛" brass male straight	48207-2
Nut fitting and insert	48198-9
Plug only for dripper	48198-8
Multi Sight 2 feed	48207-4
Multi Sight 3 feed	48207-3

Single Dripper

Double Dripper

Double Dripper w/Extension

Double Dripper w/Extension

Single Dripper
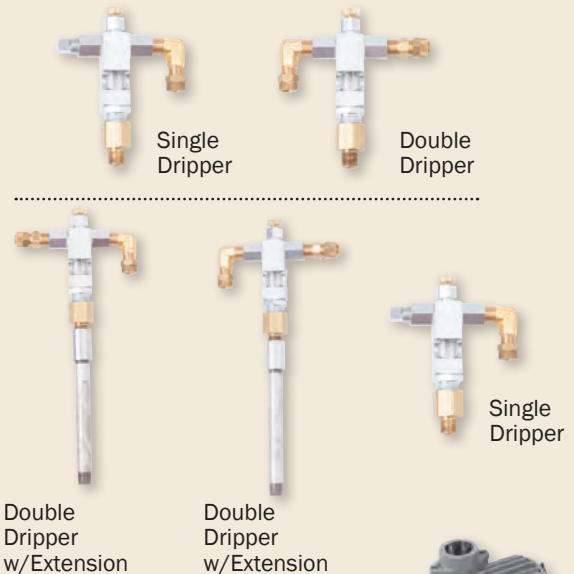
Straight Stall Cock

SIZE	PART#
½"	45490
⅜"	45491

Angle Stall Cock

SIZE	PART#
½"	45492
⅜"	45493

Drip Drain Valve
⅜" Pipe Thread
TYPE 16
Part# 45269-A

**Surge® Alamo
Replacement Filters**
Fits all Alamo Steel Pre-Air filters.
Part# 48292

Utile Pump Replacement Parts
No longer being sold as a whole good. We maintain a stock of parts as described below

PART#	DESCRIPTION	PUMP TYPE
48084	2" Flange	MP80/130/185
48085	2½" Flange (Old style)	MP185
48086	Inlet flange	MP340/450
48087	Outlet flange	MP340/450
48089	Spacing ring drive end	MP340/450
48090	Spacing ring rear end	MP340/450
48091	Adaptor	MP80/130/185
48092	Coverplate gasket	MP80/130/185
48092-1	Coverplate bolt only	MP80/130/185
48093	2" Flange gasket	MP80/130/185
48094	2½" Flange gasket (Old style)	MP185
48095	Dowel pin	MP80/130/185
48096	Thrust washer B1070	MP80/130/185
48097	Thrust washer B1069	MP340/450
48098	Circlip	MP340/450
48100	Coverplate gasket	MP340/450
48100-1	Coverplate bolt only	MP340/450
48101	Flange gasket	MP340/450
48102	Dowel pin	MP340/450
48103	Non-return valve	MP340/450
48172	H1040 bearing	MP80/130/185
48173	H1028 bearing	MP340/450
48208	Shaft seal	MP80/130/185
48209	Shaft seal	MP340/450
48255	Coverplate drive end	MP340/450
48256	Coverplate rear end	MP340/450
48257	Coverplate drive end	MP80/130/185

Belts

PART#	DESCRIPTION
48436	BP-64 Conventional
48477	BP-67 Conventional
48438	BP-73 Conventional
48437	BP-71 Conventional
48477-1	BP-105 Conventional
48477-2	BP-108 Conventional
48476	3VX475 Wedge
48474	3VX600 Wedge
48475	3V630 Wedge
48631	BX49 Raw Edge Cogged
48632	BX52 Raw Edge Cogged
48633	BX61 Raw Edge Cogged

Bushings

DESCRIPTION	PART#
SD ¾"	48627
SD ⅞"	48628
SD 1⅛"	48629
SD 1⅜"	48470
SD 1⅝"	48471
SD 32mm	48450
SD 38mm	48450-1
SD 42mm	48451
SD 48mm	48451-1
SDS ⅞"	48468
SDS 1⅛"	48469
SDS 1⅜"	48470-1
SK 1⅛"	48446
SK 1⅜"	48447
SK 1⅝"	48448
SK 1⅞"	48449
SK 2⅛"	48453
SK 30mm	48473
SK 38mm	48472
SK 50mm	48452
SK 55mm	48452-1

Pulleys

DESCRIPTION	PART#
2B56SD	48620
2B68SD	48621
2B86SD	48622
3B48SD	48459
3B56SD	48624
3B58SD	48460
3B60SD	48425
3B64SD	48625
3B68SD	48427
2B46SDS	48623
2B50SDS	48623-1
2B54SDS	48462
2B58SDS	48423
2B60SDS	48424
2B86SK	48463
3B80SK	48428
3B110SK	48429
3B136SK	48430
4B70SK	48431
4B74SK	48432
4B80SK	48433
4B86SK	48434
4B110SK	48435
2-3V335SH	48455
2-3V412SH	48456
2-3V530SH	48457
2-3V600SH	48458

Flanged Mufflers & Silencers

DESCRIPTION	PUMP TYPE	PART#
SHORT SILENCER BLUE FLANGED		
4" Muffler with flange	Lobe	48495-4
5" Muffler with flange	Lobe	48496
6" Muffler with flange	Lobe	48497
LONG SILENCER BLUE FLANGED		
5" Flanged silencer (64")	Lobe	48496-3
6" Flanged silencer (72")	Lobe	48497-3

Vane Replacement

For DeLaval™, Surge™, Universal™, Bou-Matic™, Chore-Boy™, Masport™, and Utile™ Pumps

DESCRIPTION	QTY. REQ.	PART#
DeLaval™ 76 Replacement	4	48195
DeLaval™ 777 Replacement	4	48195-1
DeLaval™ 78 Replacement	4	48196
Surge™ 75-100 Alamo™ Replacement	4	48197
Westfalia™ 2300 Replacement	4	48197-2
Westfalia™ 2800 Replacement	4	48197-1
3 HP Masport™ Replacement	4	48319
5 HP Masport™ Replacement	4	48320
7.5 HP Masport™ Replacement	4	48321
Utile MP80	4	48190
Utile MP130	4	48191
Utile MP185	4	48192
Utile MP200	4	48170-2
Utile MP300	4	48171-2
Utile MP340 (DeLaval™ 84 Replacement)	5	48193
Utile MP450 (DeLaval™ 86 Replacement)	5	48194
FR 3 / 3A Bou-Matic™ Replacement	4	48323
FR 4 / 4A Bou-Matic™ Replacement	4	48324

NOTE: Bevel faces rotation.

Replacement Vacuum Pump Vanes contain no asbestos. Replace vanes in sets for maximum performance.

Threaded Mufflers

DESCRIPTION	PUMP TYPE	PART#
1½" Male-Threaded Muffler (24")	Vane	48309
2" Male-Threaded Muffler (27")	Vane	48310
2½" Male-Threaded Muffler(33")	Lobe	48615
3" Male-Threaded Muffler(36")	Vane	48312
3" Muffler MPT (51")	Lobe	48494
3" Muffler FPT (37")	Lobe	48494-4
4" Muffler MPT (53")	Lobe	48495
4" Muffler FPT (48")	Lobe	48495-3

Special Muffler

Base Plate for Pump & Motor

PUMP AND MOTOR SIZE	PART#
18" × 30" - 3 HP - 7.5 HP	48363

Belt Guard for Base Plate

PUMP AND MOTOR SIZE	PART#
18" × 30" - 3 HP - 7.5 HP	48366
24" × 40" - 7.5 HP - 20 HP	48360-1
30" × 60" - 10 HP - 30 HP	48362-1

Channel Style Base Plate for Pump & Motor

PUMP AND MOTOR SIZE	PART#
24" × 40" - 7.5 HP - 20 HP	48360
30" × 60" - 10 HP - 30 HP	48362
Leg Assembly	48362-2
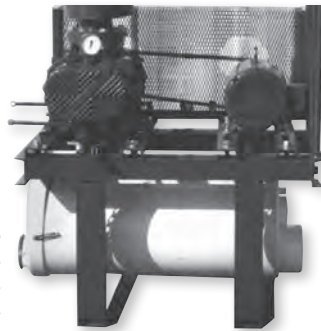
Safgard™ Cool Milk Stainless Steel 4"
Shell-And-Tube Heat Exchanger For Hot Wash Water
Part# 48570

4" clamp shell 45.0" long. Total length 52.0" with ends 1.5" clamp. 15 - 5/8" ID tubes have about 10 SQ FT of heat exchanging area. All 304 Stainless polished OD on the shell and ID in the tubes exchange heat or cold for liquid to liquid or air to liquid or air to air. The product being heated needs to flow in reverse directions.

Uses & Benefits:

Vacuum pump exhaust heat reclaiming to make hot wash water
Boosting wash water temperature in a CIP system replaces heat exchangers with defective gaskets
Can be used to replace heat exchangers of all kinds

Vertical Table Mount
Includes guards and runners. Fits most vacuum pumps and motors with little adjustment.
For 3, 5, 7.5 HP
Part# 48364

For 7.5, 10, 15, 20 HP
Part# 48365

Guard Only for Small Table
Part# 48364-1

Guard Only for Large Table
Part# 48365-1
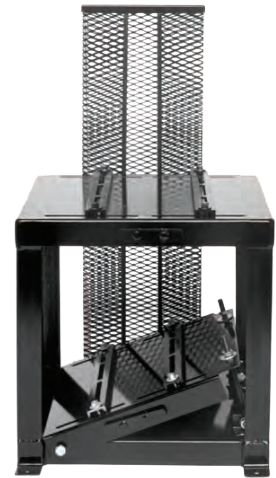
Heavy Duty Vertical Mount Stand
With multiple holes drilled for many style pumps
Part# 48385

Heavy Duty Horizontal Mount Stand
With multiple holes drilled for many style pumps
Part# 48384
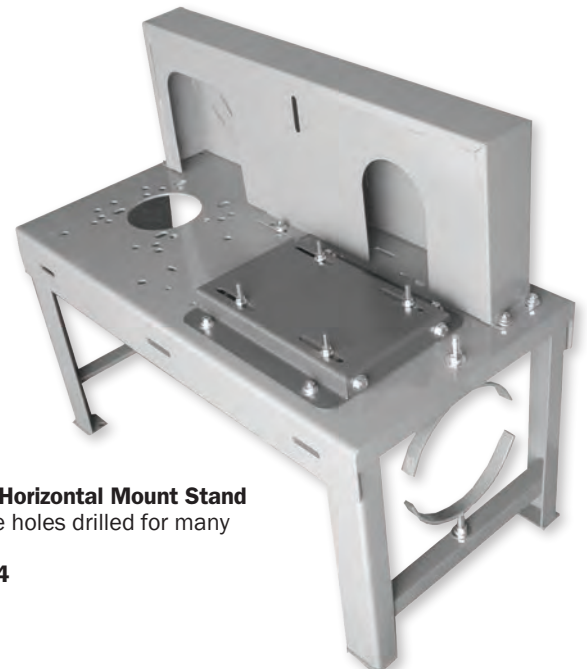
**Digital Vacuum Gauge-HG
Part# 45500 (Pictured Right)**

Part# 45500-1 Replacement base mount nipple for DVG

**Digital Vacuum Gauge-KPA
Part# 45501**

Also Available in Portable Vacuum Gauge

Portable Vacuum Gauge Part # : 45505
- Accurate way to field measure vacuum
- Rechargeable lithium ion battery
- 110 Volt and 12 Volt chargers included
- Stainless Steel hanger fits up to 3" pipe

- Storage box for gauge and chargers
Bright red LED display for excellent visibility

- Large easy read LED display.
- Factory calibrated for your convenience.
- Fits directly to vacuum line.
- Requires 12-24 Volts AC/DC.
- Fully temperature compensated.
- Not affected by elevation.
- Easy two wire electrical connection with 6' flying lead.
- Connects to any existing low voltage power source such as detacher or pulsation.

**Solar Powered Digital Vacuum Gauge
Part# 45498**
Large 4½" display encased in a weatherproof thermoplastic enclosure. Accuracy is within .5% across the range. ¼" male NPT mount. Displays 0-30" HG. Adjustable alarm points.

**Vacuum Gauge
Part# 45499**
This gauge gives both english and metric readings. For use in vertical mounting position only. Equipped with a recalibration screw for adjustment. ¼" NPT, 5" dial. 0-30" HG range outer scale, 0-100 KPA inner scale. Meets ISO 228-1 Standard.

2½" Liquid Filled Vacuum Gauge
- Stainless Steel Body
- Vibration Free Operation
Part# 45499-1

Vacuum Gate Valves
Sturdy PVC gate valves are constructed of all non-corrosive materials. Ideal for vacuum shut-off points and inspection points in any part of the vacuum system. Cannot be used in milk contact area of a milking system. Each valve has a female PVC fitting on each side for ease of installation.

DESCRIPTION	PART#
1½"	48175
2"	48176
3"	48177
4"	48174
6"	48174-1
8"	48174-2
Aluminum Handle	48179-2
Plastic Handle	48179-3
Seal for 1 1/2"	48178
Seal for 2"	48178-1
Seal for 3"	48179
Seal for 4"	48179-1
Seal for 6"	48179-4

Inline PVC Check Valve
- Long lasting
- Heavy duty PVC flapper
- Horizontal installation

SIZE	PART#
3" Complete	48278
4" Complete	48279
6" Complete	48280
3" Flapper/Gasket	48278-1
4" Flapper/Gasket	48279-1
6" Flapper/Gasket	48280-1

**Vacuum Pump
Exhaust Flappers 1½" - 6"**
- Long lasting
- No rust exhaust caps - aluminum casting
- Stainless steel pivot and nuts

SIZE	PART#
1½"	48276-1
2"	48276-2
2½"	48276-3
3"	48276-4
4"	48276-5
5"	48276-6
6"	48276-7

**1½" - 2" Anti-Reversing Valve
Part# 48314**

To be mounted on end of exhaust pipe. Eliminates reversing of vacuum pumps at shutdown.
**Rubber Only
Part# 48313**

Brass Check Valves

DESCRIPTION	PART#
2" Brass check valve (only)	48260
3" Brass check valve (only)	48275

Vacuum Pre-Air Filters
3" Female Slip PVC - Two Inlets and
One Outlet For Two Pump System
Part# 48354

4" Female Slip PVC - Two Inlets and
One Outlet For Two Pump System
Part# 48355-1

One 4" Inlet and One 4" Outlet
Part# 48354-1

One 6" Inlet and One 6" Outlet
Part# 48354-2

DESCRIPTION	PART#
Gasket for cover	48375
Cover (less gasket)	48375-1
Screen only (11¾" × 18" x ⅜")	48376
Baffle	48376-1
Standard SS screen	48376-2
SS perforation	48376-4
Screen 11 1/2" x 18 1/2"	48376-6

Added protection for vacuum pumps.
Designed to filter out moisture and
debris prior to entry into vacuum
pumps. Washable filter & self draining
are standard. Airflow intake through
baffle unit, then screen.
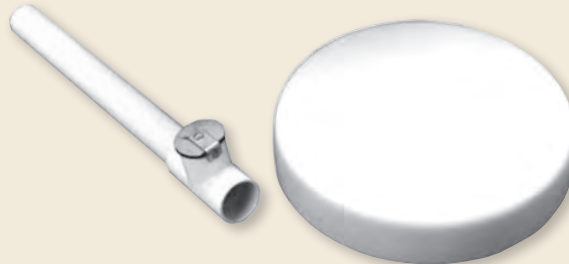
PVC Domed Balance Tanks

Vertical Balance Tank
Part# 48358
Consists of 15" × 48" tank w/3 - 3" slip
inlets(extended to prevent crossover)
& 1 - 3" side inlet, and one 1½" drain
with base. Approx. 40 gallon capacity

Compact Vertical Tank
Part# 48371
Consists of 15" × 36" tank
30 gallon capacity/Inlet config. same
as above.

Vertical Balance Tank
Part# 48380
Consists of 15" × 48" tank w/3 - 4"
slip inlets (extended to prevent
crossover) & 2 - 4" side inlet, and
one 1½" drain with base. Approx. 40
gallon capacity

Compact Horizontal Tank
Part# 48372
Consists of 15" × 36" tank
30 gallon capacity

Horizontal Balance Tank
Six 3" Inlets - Part# 48356
Six 4" Inlets - Part# 48381

Consists of 15" × 60" tank with six
inlets as specified, and one 1¼" drain
Mounting Kit (for wall or ceiling)
Approx. 50 gallon capacity

Replacement Parts

DESCRIPTION	PART#
End only 15" with 3" hole	48351
End only 15" without holes	48351-1
Top only for vertical tank with 3 - 3" inlets	48352
End only for 12" horizontal with 3" hole	48373
Bottom only for vertical PVC tank with 1½" drain	48374

Horizontal Balance Tank
Part# 48357
Consists of 12" × 79" Tank with four 3" slip inlets and two 4" slip
inlets, 1½" drain. Mounting kit for wall or ceiling.
Approx. 45 gallon capacity

100 Gallon Horizontal Tanks	PART#
15" × 10' - 8-3" inlets on top - 1½" drain	48378
15" × 10' - 8-4" inlets on top - 1½"drain	48378-1

1" Tank Drain
Part# 48370

1¼" Tank Drain
Part# 48377

**Rubber Flapper for
1¼" Tank Drain**
Part# 48377-1

1½" Tank Drain
Part# 48369

Vertical Base
Part# 48358-1

Wall Bracket
for Horizontal PVC Tank
Part# 48359

Sentinel™ Vacuum Controllers

The most stable vacuum available for milking. Response measured in milliseconds to maintain vacuum within + 0.2 inches.

Most Common Replacement Parts
Sentinel™ Mark II Controller

ITEM	DESCRIPTION	PART#
406-14	Rolling seal	47222
406-17	Diaphragm assy.	47225
406-21	Air filter	47229
406-22	Top dome filter	47232
WPRK01	Parts kit	47239

Parts - Sentinel™ 100, 350, 500 Controller

ITEM	DESCRIPTION	PART#
348-9	Diaphragm assy. - 350	47261
348-14	Wrench for 350, 500	47266
348-15	Top felt filter - 350, 500	47267
348-33	Top filter repl. cart. 100, 350, 500	47284
348-35	Aneroid assy. - 350	47286
	Bottom air filter - 350, 500	47289
353-6	Diaphragm assy. - 100	47295
	Bottom air filter - 100	47303

	Sentinel 500	Sentinel 350	Sentinel 100	Sentinel Mark II
PART#	47249	47250	47251	47227
CFM-ASME	500	350	100	150
CFM-N.Z.	1000	700	200	300

Model 500

Model 350
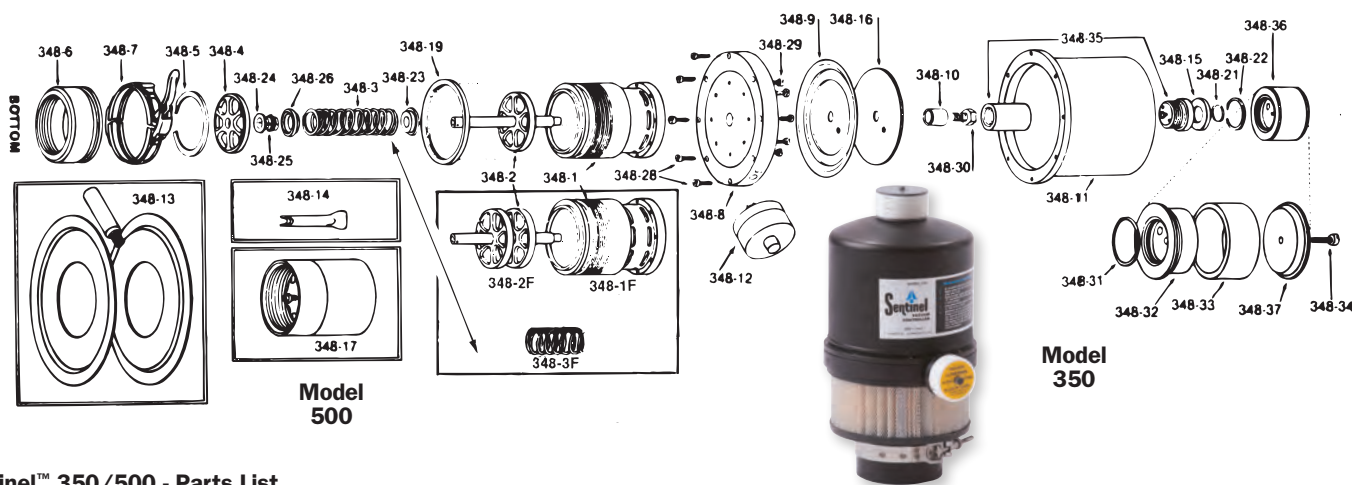
Sentinel™ 350/500 - Parts List

PART#	MFR #	DESCRIPTION
47253	348-1*	Body-350
472531	348-1F	Body-500
47254	348-2*	Poppet assy-350
472541	348-2F	Poppet assy-500
47255	348-3	Spring-350
472551	348-3F	Spring-500
47256	348-4	Poppet guide
47257	348-5	Lg lower snap ring
47258	348-6*	Inlet adapter
47259	348-7*	Disconnect clamp
47260	348-8*	Flange
47261	348-9	Diaphragm assy
47262	348-10	Diaphragm retainer

PART#	MFR #	DESCRIPTION
47263	348-11	Dome
47264	348-12	Air filter gauge
47265	348-13	Large filter adapter kit
47266	348-14	S.S. Adjusting wrench
47267	348-15	Top felt filter
47268	348-16	S.S. Back-up plate
47269	348-17	Safety valve
47271	348-19*	Filter retaining ring
47273	348-21	Small top snap ring
47274	348-22	Large top snap ring
47275	348-23	Spring guide
47276	348-24	Damping collar cmplt.
47277	348-25	Damping collar spring

PART#	MFR #	DESCRIPTION
47278	348-26	Damping collar retainer
47279	348-28	Flange screws 8–32 × ⅝
47280	348-29	Flange screws 10–32 × ⅝
47281	348-30	Diaphragm bolt
47282	348-31	Top dome filter "O" ring
47283	348-32	Filter cart. holder (bottom)
47284	348-33	Filter repl. cartridge
47285	348-34	Top cart. filter hold screw 10–32 × 1
47286	348-35	Aneroid assy complete
47287	348-36	Top dome filter (complete)
47288	348-37	Filter cartridge holder (top)
47289		Bottom air filter

Specify model and serial number of regulator when ordering these part numbers.

Sentinel™ Mark II Parts

406-33 FLANGE ASSEMBLY
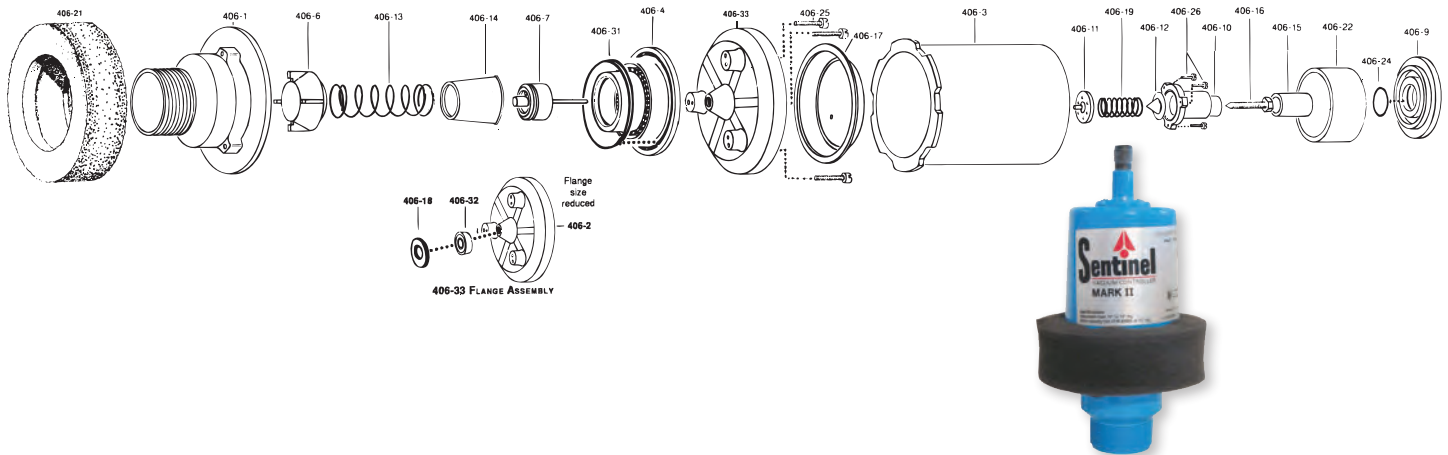
PART#	MFR #	DESCRIPTION
47211	406-1	Outlet body
47212	406-33L	Flange
47212-1	406-334	Flange & flow ring
47213	406-3	Dome
47214	406-4	Flow ring
47215	406-6	Plug
47216	406-7	Poppet/Push-pin assy
47217	406-9	Filter Cap
47218	406-10	Adjuster housing

PART#	MFR #	DESCRIPTION
47219	406-11	Dome Reg diaphragm assy
47220	406-12	Wobble plate
47221	406-13	Closing spring
47222	406-14	Rolling seal
47223	406-15	Adjusting knob
47224	406-16	Adjusting screw
47225	406-17	Diaphragm assembly
47227-1	406-18	Retaining washer

PART#	MFR #	DESCRIPTION
47228	406-19	Adjustment spring
47229	406-21	Air filter
47232	406-22	Top dome filter
47234	406-24	Buna-N 60 Shore "O" ring
47235	406-25	10-32 × ⅞ SS screw
47236	406-26	4-40 × ⅜ SS screw
47237	406-31	Outlet seal
47238	406-32	Ball seal

Sentinel™ 100 Parts

MODEL 100
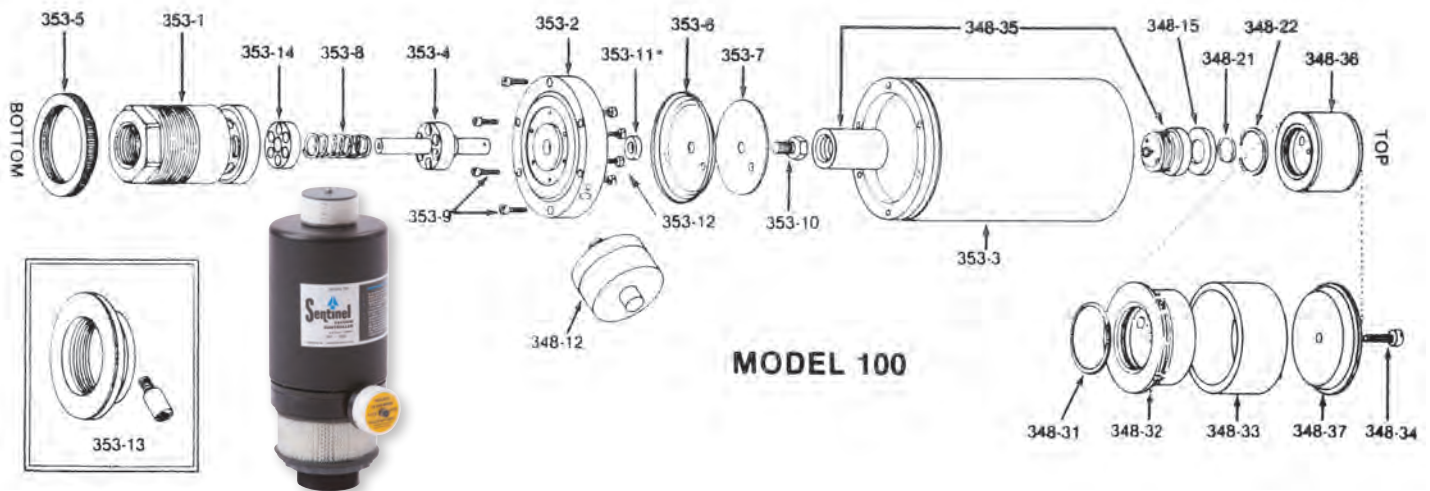
PART#	MFR #	DESCRIPTION
47290	353-1	Body-100
47291	353-2	Flange
47292	353-3	Dome
47293	353-4	Poppet assy.
47306-4	353-5	Filter retainer ring
47295	353-6	Diaphragm
47296	353-7	SS diaph. plate
47297	353-8	Spring

PART#	MFR #	DESCRIPTION
47298	353-9	Dome screws
47299	353-10	Diaphragm bolts
47300	353-11	Washer
47301	353-12	Flange screw
47302	353-13	Lg. filter adapter kit
47304	353-14	Poppet guide
47264	348-12	Air filter gauge
47267	348-15	Top felt filter
47273	348-21	Sm. top snap ring

PART#	MFR #	DESCRIPTION
47274	348-22	Lg. top snap ring
47282	348-31	Top dome filter "O" ring
47283	348-32	Filter cart. holder bottom
47284	348-33	Filter replacement cart.
47285	348-34	Top cart. filter hold screw
47286	348-35	Aneroid assy. (complete)
47287	348-36	Top dome filter (complete)
47288	348-37	Filter cart. holder top
47303		Bottom filter

Sentinel™ Peacekeeper
Noise Suppressor & Air Filter

The Peacekeeper suppresses the noise created by air flow into the controller and provides a larger washable filter for all Sentinel units, including those that presently use only paper filtration.

Testing has shown that the Peacekeeper can cut up to 15 decibels off the existing noise level created by controllers. Now, every Sentinel™ vacuum controller can be positioned in the optimum location for best performance by using the Peacekeeper.

Mark II Peacekeeper
Part# 47305 Complete

Model 350
Peacekeeper
Part# 47307 Complete

Model 100
Peacekeeper
Part# 47306 Complete

Model 100 Peacekeeper Parts

PART#	MFR #	DESCRIPTION
47306-1	462-1	Body 100
47306-2	462-2	Lid assembly
47306-3	462-5	Isolator
47306-4	462-6	Adapter ring
47306-5	406-15	Dome seal
47307-3	462-3	Filter ring (all models)
47307-4	462-4	Filter (all models)
47307-6	462-8	Screw (all models)
47307-7	462-14	Lid gasket (all models)

Model 350 Peacekeeper Parts

PART#	MFR #	DESCRIPTION
47307-1	462-1	Body 350
47307-2	462-2	Lid assembly
47307-3	462-3	Filter ring (all models)
47307-4	462-4	Filter (all models)
47307-5	462-5	Isolator
47307-6	462-8	Screw (all models)
47307-7	462-14	Lid gasket (all models)
47307-8	462-15	Dome seal

Mark II Peacekeeper Parts

PART#	MFR #	DESCRIPTION
47305-1	462-1	Body Mark II
47305-2	462-2	Lid assembly
47305-3	462-5	Isolator
47305-4	462-6	Adapter ring
47305-5	406-100	Threaded outlet body
47307-3	462-3	Filter ring (all models)
47307-4	462-4	Filter (all models)
47307-6	462-8	Screw (all models)
47307-7	462-14	Lid gasket (all models)

Model 350 Peacekeeper Parts
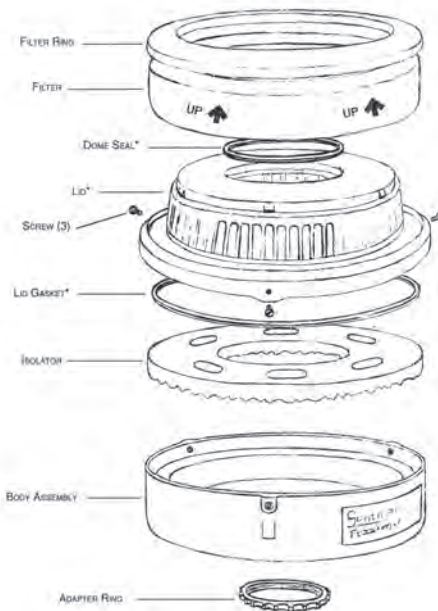
*DOME SEAL, LID and LID GASKET make up LID ASSEMBLY

Mark II Peacekeeper Parts
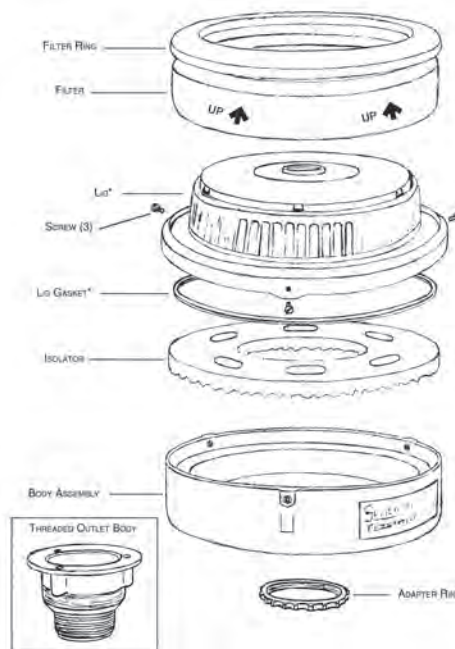
*LID and LID GASKET make up LID ASSEMBLY

RV 463 & 348-17 Safety Valves
For 2" Thread
Part# 47269-1

For 3" Thread
Part# 47269

Can be fitted to any system utilizing a Sentinel™ Mark I, Mark II or Model 100 Vacuum Controller, as well as systems using other vacuum controllers that regulate up to 150 CFM ASME. Relief valve provides a safeguard against high vacuum which can result from various system malfunctions. The Sentinel™ Relief Valve has an adjustable release point which can be set to the desired level for each system.

#8440
Mini-Regulator
KPA30-60 (20-400 ltrs./min.)
1-14 CFM ASME, up to 2-HP
A spring-loaded regulator that offers true stable vacuum. This is more than just a relief valve, and perfect for bucket systems.
Part# 47240

#8412
Servo Regulator
KPA30-60 (50-3500 ltrs./min.)
2-120 CFM ASME, up to 10-HP
A quality low cost regulator. Very reliable, sensitive, and easy to maintain.
Part# 47241

Parts

DESCRIPTION	PART#
Sm. Diaphragm	47241-L
Lg. Diaphragm	47241-W

Safgard™ Parallel Milking Parlors

Safgard™ Parallel Brisket Beam Drop Rail With Stainless Steel Trough

PART#	DESCRIPTION
49945-A	DOUBLE 4
49946-A	DOUBLE 8
49947-A	DOUBLE 12
49947-B	DOUBLE 16
49947-C	DOUBLE 20

Call for pricing on other sizes

- Durable Pre-galvanized material
- 3 × 6 Rectangular beam construction
- Completely free-standing parlor
- 12 gauge stainless steel back manure pan
- 30" cow spacing - increase cow numbers
- Air Package included
- Pre-assembly available at additional cost
- Optional air operated entrance gate must be ordered separately

Due to it's unique design, the drop brisket all-exit parallel parlor can be fabricated in many configurations.
Three, four, and five stall sections can be manufactured to your specific needs. Assemblies can be installed in just one day, an immense labor saver.
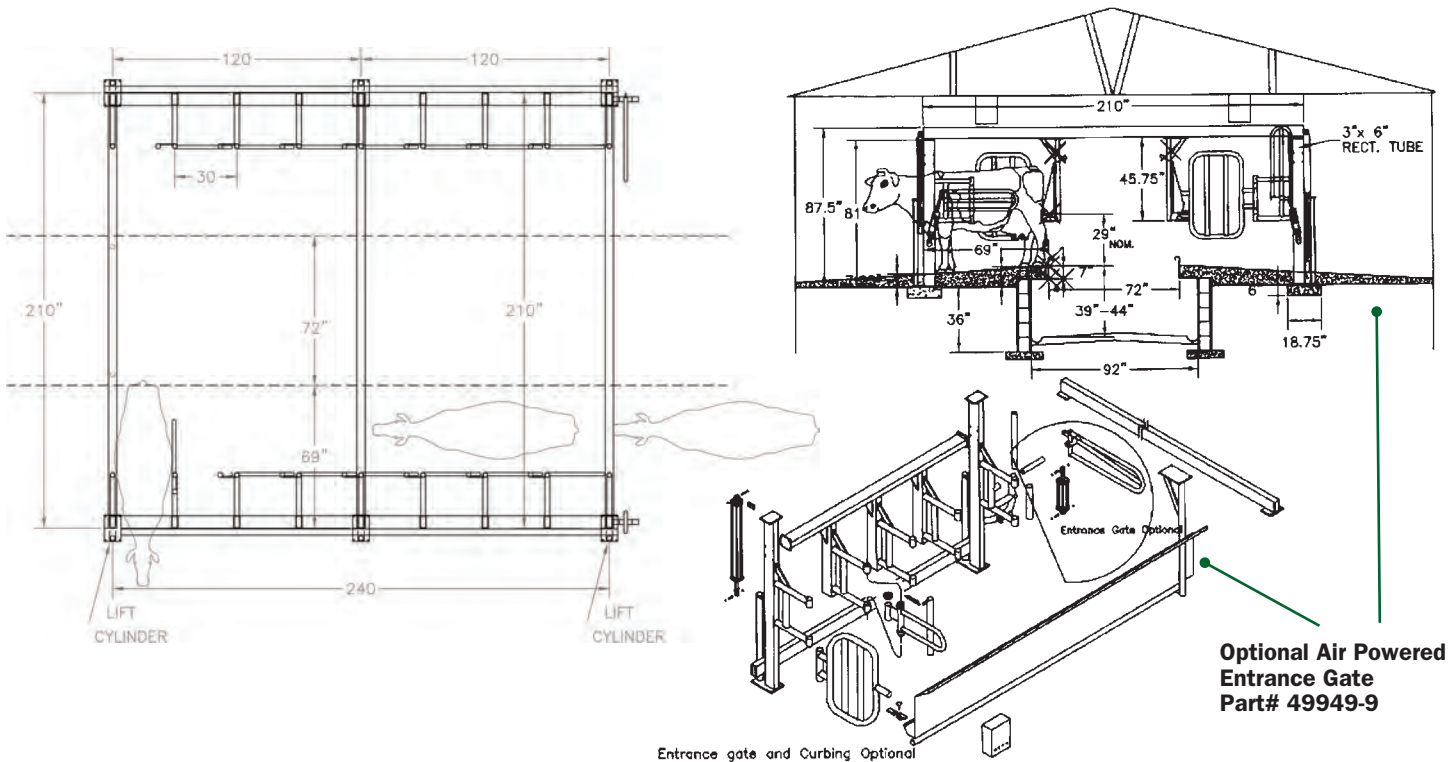
Optional Air Powered Entrance Gate Part# 49949-9

Safgard™ Herringbone Milking Parlors

Safgard™ Cheek To Cheek Herringbone Parallel Drop Beam Rapid Exit 30" On Center

PART#	DESCRIPTION
49980	DOUBLE 4
49981	DOUBLE 8
49982	DOUBLE 12
49983	DOUBLE 16
49984	DOUBLE 20

• 2" Galvanized rails & suspenders
• 12 gauge stainless steel, heavy duty splashguards
• Rapid exit drop
• Air operated entrance gate - Standard
• Multiples of four only
• Exit gate manual (air operated gate optional)

Safgard™ Stationary Brisket Bar Suspended Herringbone

PART#	DESCRIPTION
49840	DOUBLE 3
49841	DOUBLE 4
49842	DOUBLE 5
49843	DOUBLE 6
49844	DOUBLE 8
49845	DOUBLE 10
49846	DOUBLE 12
49847	DOUBLE 14

• 2" galvanized rails
• 2" suspender (post mounted is an option)
• 45" cow spacing standard
• 12 gauge SS heavy duty splash guards
• Manual gates standard - air operated gates available
• Only pipe mounted front to wall (Standard)

Safgard™ Brisket Bar Front Only w/Mounting Standoffs

PART#	DESCRIPTION
49970	DOUBLE 4
49971	DOUBLE 5
49972	DOUBLE 6
49973	DOUBLE 8
49974	DOUBLE 10

• 2" galvanized rails
• 45" cow spacing standard
• No gates, backs, or posts included
• Only pipe mounted front to wall (Stand-off Included)
• To replace old mangers with briskets

Safgard™ Brisket Bar Drop Rail Rapid Exit Herringbone

PART#	DESCRIPTION
49850	DOUBLE 3
49851	DOUBLE 4
49852	DOUBLE 5
49853	DOUBLE 6
49854	DOUBLE 8
49855	DOUBLE 10
49856	DOUBLE 12
49857	DOUBLE 14

• 2" galvanized rails
• 45" cow spacing
• 2" suspenders
• 12 gauge SS heavy duty splash guards
• Rapid exit
• Lower bars - cows walk over
• Air operated entrance gate standard
• Exit gate manual - air operated gate optional
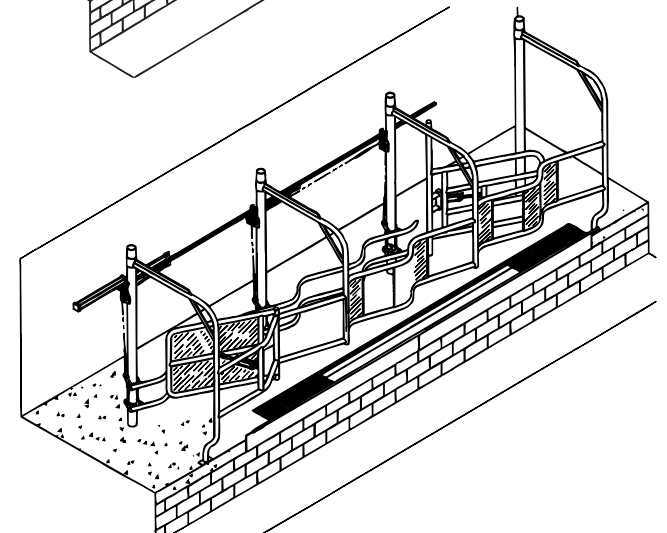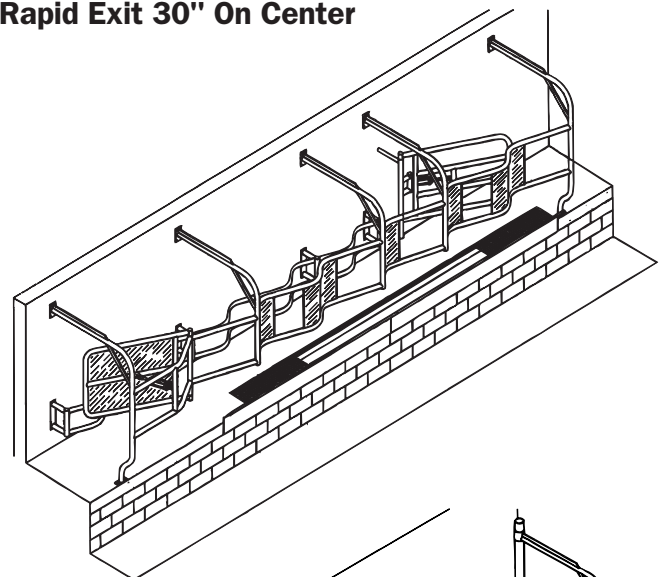
Safgard™ Indexing Brisket-Bar Herringbone Parlors

Indexing brisket-bar parlors are available in three configurations. A front-end only update to replace existing mangers or worn brisket-bar assemblies. A complete parlor stall assembly with indexing brisket-bar. Or, an all-exit version of the indexing model is available. Allow 10' ceiling for all-exit.

Squeeze Index Rapid Exit Herringbone Parlor

PART#	DESCRIPTION
49930	DOUBLE 4
49931	DOUBLE 5
49932	DOUBLE 6
49933	DOUBLE 8
49934	DOUBLE 10
49935	DOUBLE 12
49936	DOUBLE 14

- 2" galvanized rails
- 45" cow spacing standard
- 2" suspenders
- Air operated entrance and exit gates standard
- Air operated front end adjusts to fit cows
- Indexing Herringbone Parlor without rapid exit

Trojan-Adjustable Squeeze Front End Herringbone

PART#	DESCRIPTION
49920	DOUBLE 4
49921	DOUBLE 5
49922	DOUBLE 6
49923	DOUBLE 8
49924	DOUBLE 10
49925	DOUBLE 12
49926	DOUBLE 14

- 45" cow spacing
- 2" suspenders
- 12 gauge SS heavy duty splash guards
- Adjustable squeeze front
- Rapid exit by raising
- Air operated entrance gate standard

Trojan-Adjustable Squeeze Front End Only

PART#	DESCRIPTION
49940	DOUBLE 4
49941	DOUBLE 5
49942	DOUBLE 6
49943	DOUBLE 8
49944	DOUBLE 10

- 2" galvanized rails
- 45" cow spacing standard
- No gates, backs, or posts

Safgard™ Curbing Sections

PART#	DESCRIPTION
49830	10 gauge galvanized bolt on curbing - 44" long
49832	End cap for galvanized bolt on curb
49833	14 gauge stainless steel bolt on curbing - 44" long
49834	14 gauge stainless steel bolt on curbing - 88" long
49835	End cap for stainless steel bolt on curbing
49837	³⁄₁₆" galvanized LA curbing (10 foot sections, standard)
49838	12 gauge stainless steel LA curbing (10 foot sections, standard)
49837-1	³⁄₁₆" galvanized LA straight curbing for parallel stalls (10 foot sections)
49839	Galvanized angle iron with tabs for grating (sold by the foot)
49839-1	Stainless steel angle iron with tabs for grating (sold by the foot)

These are standard components - However - we can manufacture to your specifications!
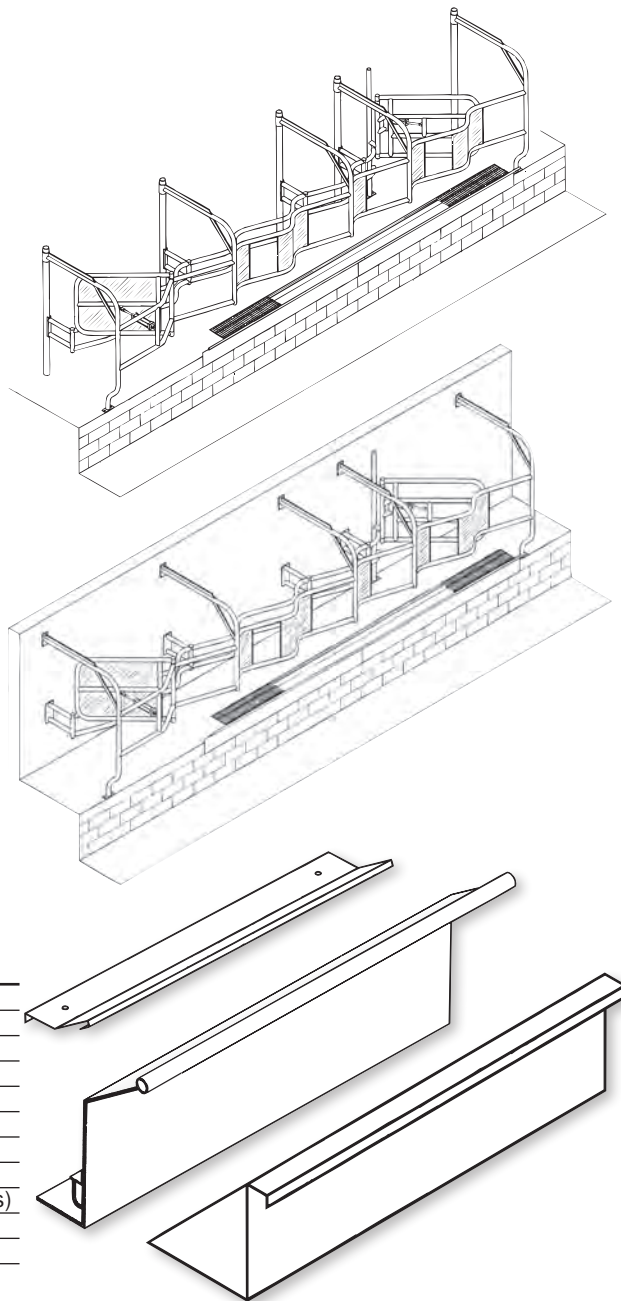
Safgard™ Milking Parlor Stall Air-Package Parts

DESCRIPTION	PART#
A212PD Pilot Valve (Gates and Squeeze)	49902
K214PS Main Valve (Rapid Exit)	49902-1
Toggle Valve	49903
3.25" × 8" Cylinder	49904
3.25" × 30" Cylinder	49905
3.25" × 30" Cylinder repair kit	49905-1
4" Roller and bearings only	49906-3
Repair kit for 4" × 48" Cylinder	49906-4
4.5" × 30" Cylinder for Parlor	49906-5
Flow Control Valve	49907
¼" Air Control Tubing	49908

DESCRIPTION	PART#
½" Air Cylinder Tubing	49908-1
½" Air Coupling for Tubing	49908-2
½" Tee Fitting for Tubing	49908-3
¼" NPT × ¼" Pushlock 90 fitting	49908-4
⅛" NPT × ¼" Pushlock 90 fitting	49908-6
Gate return spring for parallel	49949-0
¼" × ¼" × ¼" Pushlock NPT tee fitting	49908-8
¼" × ¼" × ¼" Pushlock tee fitting	49908-9
¼" Pushlock × ⅛" NPT Straight fitting	49908-A
¼" Pushlock × ¼" Pushlock 90 fitting	49908-B

Contact Schlueter for Complete Milking System Packages

- *Please call or write us for complete drawings on stalls.*
- *Special sizes, configurations, and stall quantities are available.*
- *Prices do not include optional curbing, grates, air compressors or hydraulics.*

Safgard™ Complete Dairy Systems

Rotaflo™ Rotary Parlors

(Stalls only-no milking equipment)

DESCRIPTION	PART#
24 Stall RotaFlo - Less milking equip.	49956
32 Stall RotaFlo - Less milking equip.	49957
40 Stall RotaFlo - Less milking equip.	49958
50 Stall RotaFlo - Less milking equip.	49959

Rotaflo™ Parts

DESCRIPTION	PART#
Rotaflo Drive Module Complete with Oil	49825
Rotaflo Gearbox with Oil	49825-1
Rotaflo Locator Axle	49825-2
Rotaflo Bridge O/R Axle w/ nipple	49825-3
Rotaflo Drive Shaft Bushing Mounting Long	49825-4
12 Track CuGraphite Brush Set	49826-1
12 Track Brush Post and Arms	49826-2
12 Track Slip Ring Complete	49826-3
24 Track CuGraphite Brush set	49827-1
24 Track Brush Post and Arms	49827-2
24 Track Slip Ring Complete	49827-3
Rotaflo Vacuum Teflon Bearings Plug Set	49828
Rotaflo Vacuum Seals Set	49828-1
Milk Swivel Seal Set	49828-2
Milk Swivel Teflon Brush Set	49828-3
4"/5" flex. cam-lock drain swivel upgrade	49828-4
Drive wheel	49828-5
Locator wheel	49828-6
All rubber drive shaft bottom bushing	49828-7

Rotaflo™ Glands

DESCRIPTION	PART#
Rotaflo gland 12 track/4x3"/2" Milk	49826
Rotaflo gland 12 track/4x4"/2" Milk	49826-A
Rotaflo gland 24 track/4x3"/2" Milk	49827
Rotaflo gland 24 track/4x4"/2" Milk	49827-A

Rotaflo™ Upgrade Options

DESCRIPTION	PART#
3" milk swivel	49827-4
2" milk / compressed air swivel	49827-5
3" milk / compressed air swivel	49827-6
2" milk / 2" discard or wash	49827-7
2" milk / 2" discard or wash / comp.air	49827-8

Compressed Air

Milk

Wash Water

Power
12 track or 24 track
(plus data options)

Vacuum
2" × 3" or 2" × 4"

Optional Galvanized
Stand not Shown

Air, Milk and Wash
Seals Accessible
from Top of Gland
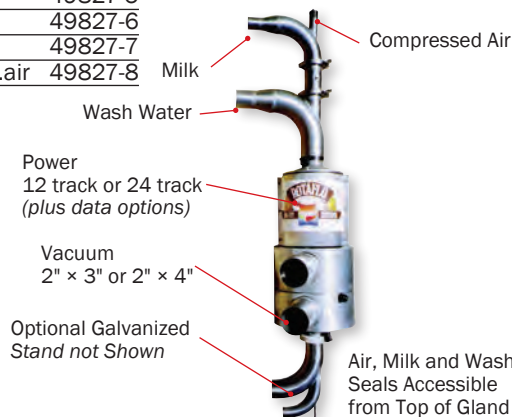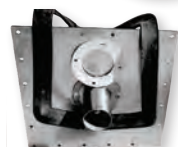
Safgard™ Gates And Shields

DESCRIPTION	PART#
SS Feed Bowl for 49881 Manger	49882
Double H.D. Butt Shield 2⅜" w/SS Splash Shield	49893
Entrance Gate 2⅜" w/manual linkage	49894
Exit Gate 2⅜" w/manual linkage	49895
Parallel Parlor Chop Style Gate	49949-9
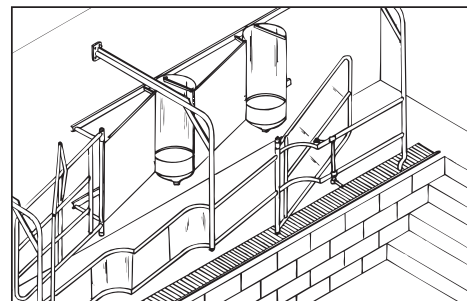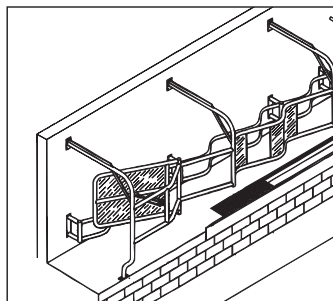
15" × 45" Solid Welded Grate
Part# 44439

• ¼" thick
• 1" wide
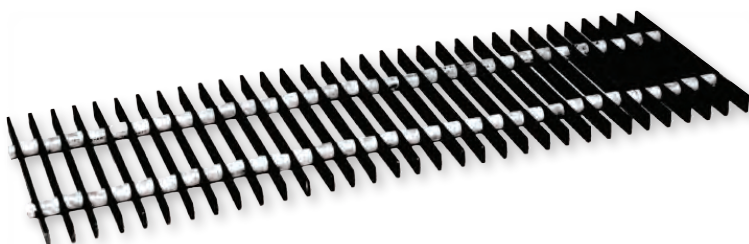
**4-Step Parlor Steps
with Handrails.
Part# 49878**

• 30" wide × 32" high, will
  fit most parlor pits
• Dual hand-rails
• Galvanized construction
• Non-slip stepping surface

Flaco™ Goat and Sheep Milking Parlors

Goat and Sheep Milking Parlors
Rapid Exit and Constructed of Galvanized Steel

DESCRIPTION
Goat Milking Parlor, 1X12
Goat Milking Parlor, 1 X 18
Goat Milking Parlor, 1 X 24
Sheep Milking Parlor, 1 X 12
Sheep Milking Parlor, 1 X 18
Sheep Milking Parlor, 1 X 24

*Call for Pricing Details.

Milking Position

Rapid Exit Position

Safgard™/Borco Carousel For Goats & Sheep
*Call for Pricing Details.

Available Configurations - Call for details
38 Stall
64 Stall
84 Stall
• Milk up to 1000 goats per hour with one person
• All galvanized steel unitized modular design
• On-board feeders based on animal production
• Multiple entrances with goat trainers
• Variable speed control with safety stops
• MilkWatch milk meter/detacher system with full time ID
• MilkWatch management program includes goat health
• Automatic milking startup with max milking time controls
• Automatic repeat rotation control

Goat And Sheep Stanchions And Parlors

Goat And Sheep Parlors

Hot Dipped galvanized in 12 stall pre-fabricated sections. These smooth rolling parlor packages install in a matter of hours on your existing concrete platform. Single 12 fits into an area of 14' wide × 10' deep. Call for more details and dimensional data.

Features Include
• Entrance and exit gates
• Manual crank moves "Manual Express Parlor" toward pit area
• Motor moves "Motorized Express Parlor" towards pit area
• Hot Dipped galvanized

Manual Express Parlor

PART#	DESCRIPTION
49778	DOUBLE 12
49779	DOUBLE 24

Motorized Express Parlor

PART#	DESCRIPTION
49775	DOUBLE 12
49776	DOUBLE 24
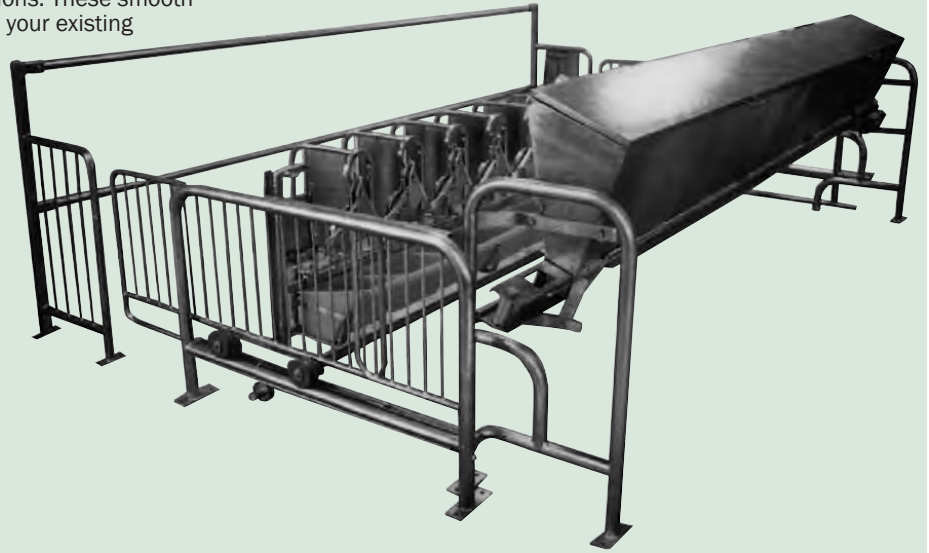
Goat And Sheep Milking Systems

Goat And Sheep Parlors

Manufactured Metal Construction with the latest laser technology. Goat and Sheep G and S Milking Systems made with hot dip galvanized or antimagnetic stainless steel construction, featuring easy installation, manual or pneumatic side entrance gates with roller guides for easy entrance into stall, pneumatically operated feeding tank giving precise dosage. Advantages are easy movement of animals, good milker view with back fence tubes protecting them from kicks, comfortable animals from possibility of supplementary feeding, which reduces milk time and increases milk yields, and rapid exit of animals controlled by air valves and pneumatic circuit.

Features Include
• Optimal Operation
• Animal Comfort
• Friendly Design
• Easy entrance and animal movement
• Less building space needs - less expenses
• Durable Stall Construction
• Heavy Duty construction parlor
• Designed for 24/7 operation
• Immediate animal recognition
• Suitable for pregnant or large animals
• Available in 330mm/367mm/400mm position widths
• Possibility to treat the animals in stall
• Inexpensive spare parts
• Lower cost compared to other parlor types
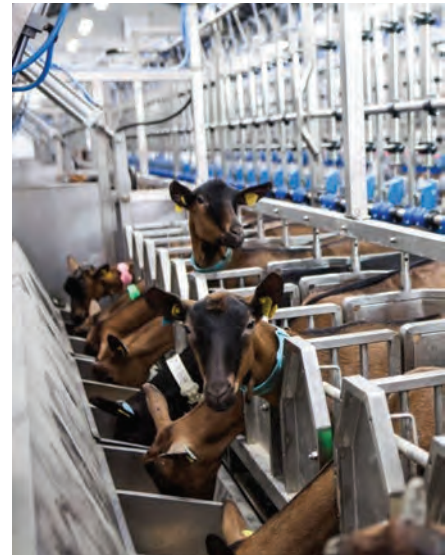
Goat and Sheep Parlors with Feeding Tank

DESCRIPTION	PART#
G&S 2X12 Galv. Parlor w/ Feeding Tank	49790
G&S 2X12 Stainl. Steel Parlor w/ Feeding Tank	49791
G&S 2X16 Galv. Parlor w/ Feeding Tank	49792
G&S 2X16 Stainl. Steel Parlor w/ Feeding Tank	49793
G&S 2X18 Galv. Parlor w/ Feeding Tank	49794
G&S 2X18 Stainl. Steel Parlor w/ Feeding Tank	49795
G&S 2X20 Galv. Parlor w/ Feeding Tank	49796
G&S 2X20 Stainl. Steel Parlor w/ Feeding Tank	49797

Comfort-Plus Parlor Mats

COLOR	PART#
White	47451
Blue	47452
Gray	47453
Green	47454
Black	47455

- Made from 100% soft virgin PVC
- NEW slip free surface
- Easy cleaning, can be rolled up without uncoupling

PRODUCT SPECIFICATIONS
20" × 20" × 1" high., 50cm x 50cm x 24mm
Load capacity is 5200 lbs/sq. ft.
10 Mats per case. 40 lbs/case, 4 lb/mat

To Calculate Correct Number of Mats:
1. Measure the width x 12 ÷ 20 = Rows Down
2. Measure the length x 12 ÷ 20 = Rows Across
3. Multiply the above numbers for total mats

The anti-fatigue mat is a multi-purpose, interlocking, floor system. The Comfort Plus mat is like walking on air. The surface has a slip free feature added for operator safety. A high profile creates excellent insulation from cold damp floors. It has outstanding drainage capability due to the solid and round feet, leaving no place for dirt or debris to hide. The grid is open to allow free air movement and eliminate undesirable odors.
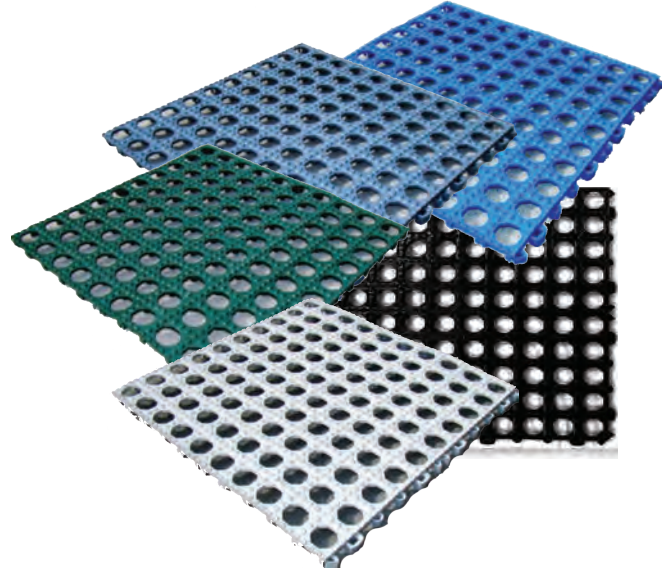
Stainless Steel Footbaths

Features Include
- 120" × 30" × 7"
- 3" Drain Hole
- 12 Gauge Stainless Steel
- Made With 2 Handles
- Floor Matting Included
- 2B Finish
- Call for additional sizes

**Safgard™ Stainless Steel Footbath
Part# 44435**
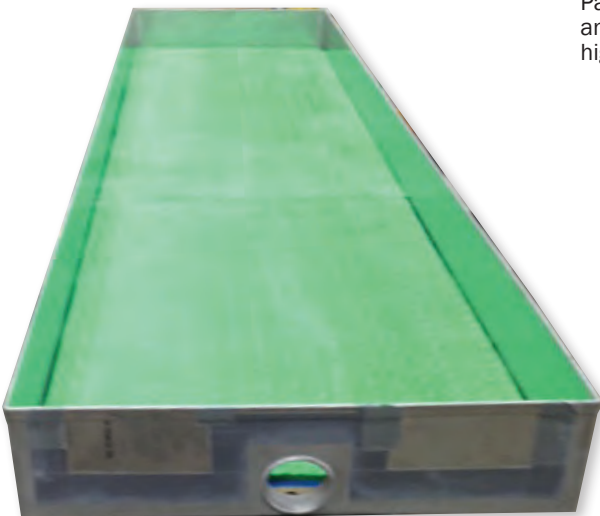
39" × 59" Worker-Rest Parlor Mat
Part# 44448
- Anti-slip
- Lightweight
- Easily cleaned

Product Specifications
Size: 1 meter (39.4") × 1.5 meters (59")
Thickness: ⅞"
Weight: 38 lbs.
Color: Black
Surface pattern: Top (hollow octagonal); Bottom nubs
Worker-Rest Parlor Mats are all natural, super comfy rubber tiles with drain holes (required by some inspectors). Parlor workers will experience the ultimate in comfort and safety. Mats are bound to pay for themselves with higher production and fewer work-stress injuries.
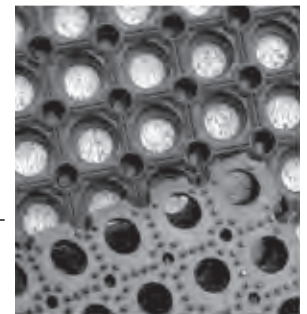
**Poly Cow Foot Bath
Part# 49948**

78" × 32" × 6"

Durable one-piece polyethylene Cow Footbath. Molded ribs in the base cause the hoof to spread, allowing deep penetration of medicated solutions. These ribs also add support and traction to the Cow Footbath. For best results, use two. The first bath containing a pre-cleaning rinse and the second for the medication. This will greatly extend the life and usage of the medicated solution.

Triple Layer EVA Cow Mat

Triple Layer EVA Mat
Part# 44440
The triple layer EVA mat is an air impregnated vinyl product. Vinyl is a very durable product that becomes soft when impregnated by air. The lower the density, the softer the mat will become. Vinyl expands and contracts in response to heat or cold. The top green layer is designed to be soft for additional cow comfort. The middle layer is designed to bond the top and bottom layers and the bottom layer is designed to control expansion and contraction to improve wear characteristics when placed on concrete.

Features Include
- EVA has an R40 insulation value
- EVA is extremely water resistant
- Mat weighs 31 lbs for easy handling
- Standard size 46" × 72"
- Installs easily drilling 4 holes across the front
- Drive in 4 tap cons to finish the job
- EVA mat has 5 year warranty* 3 year unconditional, 2 year pro-rated
- Smooth surface means healthier hocks
- Closed cell EVA product cannot harbor bacteria

Clover design will help retain bedding.

55 Density

60 Density

65 Density
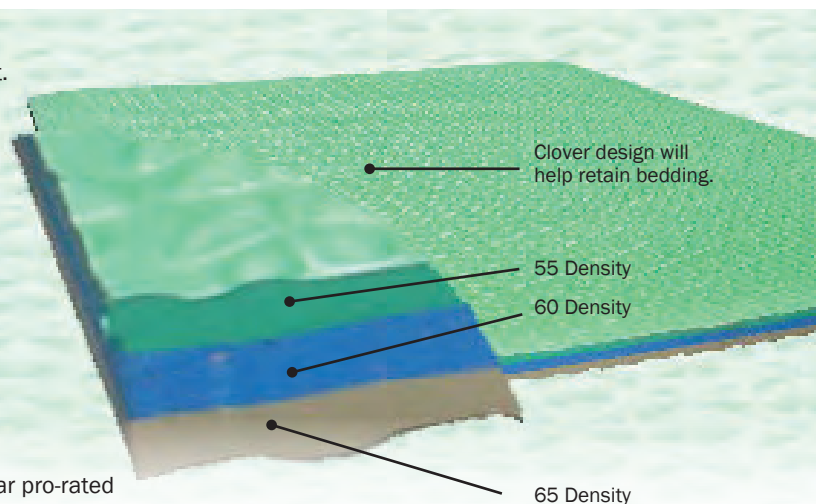
Mistral Bedding Conditioner

Can be used in "Certified Organic" applications! Mastitis is the most costly disease in dairy cows. Estimates of total losses due to mastitis range from $150 to $300 / cow / year.

Studies suggest that the teat canal is more easily penetrated by bacteria. High numbers of bacteria present in the bedding, prolonged contact of the udder, plus the adherence of bedding material on teat skin will increase the risk of environmental mastitis. Risk of mastitis is directly linked to the level of contamination of the litter.

Moisture is the main risk factor for environmental mastitis. Temperature of the litter is the second factor to consider. Oxygen will encourage bacterial growth, as E-Coli and Streptococcus are aerobic bacteria. MISTRAL will keep the area surrounding the udder dry.
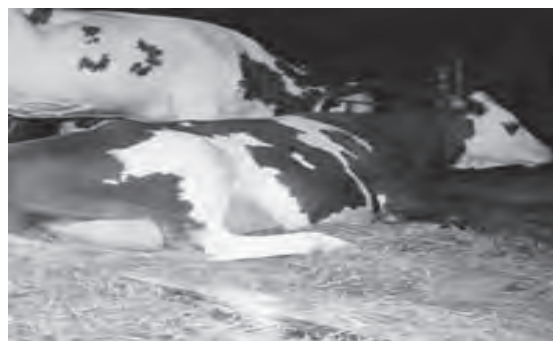
SIZE	PART#
25 KG/ 55-lb. bag (40 units per pallet)	44420

Safgard™ Parlor Door Systems

Manual Parlor Door
For both entrance and exit openings. This dual-action door gently handles cows for efficient control of movement. Door features: dual action, easy operation, galvanized metal cover for rust resistance. Fits 32" doorway, manual door operation (standard), comes complete with door, hinges, manual operator, pulleys, cord and mounting hardware.

Milking Parlor Cow Door Sets Complete
Part# 49950

Parlor Door Sets Only with Hinges
Part# 49951

Parlor Door Manual Operator Accessory Kit
Part# 49952

Spring Only
Part# 49952-1
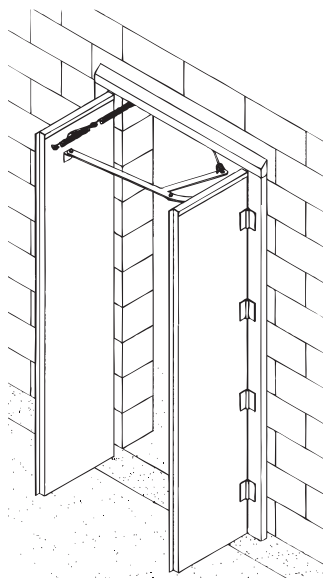
Fits rough opening 32" × 80"

Safgard Vinyl Strip Door
Part# 49955
Designed as a Supplemental Parlor Door
- Saves wear and tear on electric door operator.
- Lowers energy cost--saves heating and cooling.
- Fits on inside or outside parlor wall.
- UV stabilized to prevent yellowing.

Advanced Construction
The smoothly beveled, rounded edges will not cut, snag or scratch anything coming into contact with them. The strips' concave-convex curvature promotes a tighter seal, yet spreads apart easily for passage. 8" wide strips assembled for 2" overlap. One pull to open, one pull to close.
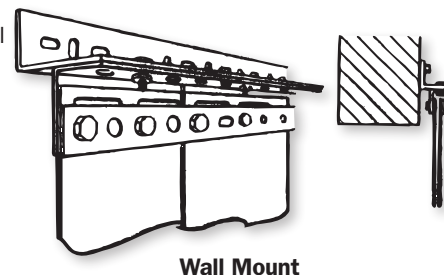
Wall Mount
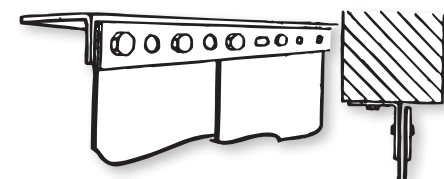
Header Mount

Units Include Mounting Hardware
Fits Size 36" × 84" Standard Cow Door
Custom Sizes Available Upon Request.

SMART Stanchion Feeder

Standard 2-Feed SS Feeder
Part# 92035S

How it works

At preset times, or by manual start, the SMART FEEDER sets off from its "home" position then travels to the first cow and stops. Tapered augers in the feed hopper deliver feed to the discharge conveyor. The first cow's own ration of feed is precisely measured by weight. When the exact amount of feed has been weighed, the auger stops and the conveyor delivers the feed to the cow. After the last cow is fed, the SMART FEEDER returns to home base and automatically hooks itself into a battery charger. Under the feed conveyor a load cell measures every portion accurately. The SMART FEEDER will feed automatically at up to 6 preset times a day. Frequent, regular feeding improves digestion. The hopper carries enough feed for 80 cows for 1 day.
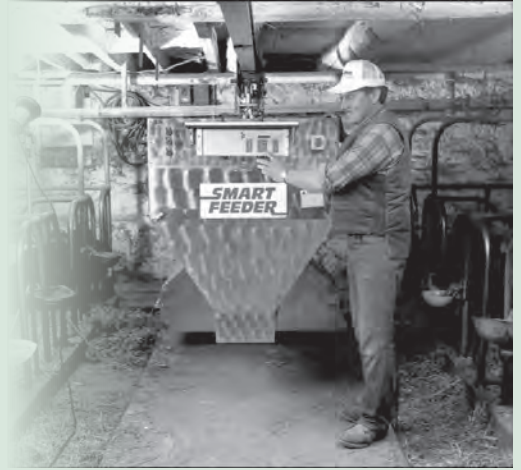
CalfGard Calf Feeder
Part# 80050

How it works

Designed for small groups of calves. Mixes fresh, warm milk replacer as needed. Calves drink only when they have liquid credit and they cannot overeat. Raising healthy, happy calves can be easy.

Features:
- Feeds up to 25 calves
- Each calf wears an eartag
- 50 lb milk powder hopper
- 2.5 gallon water heater
- 1 Feeding station
- Quantity per day can be set per calf
- Shows how much each calf drank today and yesterday
- Use any kind of milk replacer
- Maintenance takes only 5 minutes per day
- Includes auto-wean and starter helper functions

Stanchion And Stall Clamps & Accessories

T-Stall Clamps

Part# 44368
1⅝" × 1⅝"

Part# 44368-1
2⅜" × 1⅝"

1 Bolt Tee Clamp
Part# 44275
1⅝" × 1⅝"

Bulldog Clamp
Part# 46104
1" to 1⅝"

Column Tee Clamp
Part# 44277
1⅝" × 4"

Stanchion Hanger
Part# 44279
1⅝" Round

Top Rail Clamp
Part# 44281
EZ Curve - 1⅝" × 1⅝"

1⅝" Flange Clamp
Part# 44276

Stanchion Hanger
Part# 44280
¾" × 1¼"

Save-A-Stall Anchor
Part# 44360
Repairs rusted or broken-off barn equipment.

Arch Tie Chain Push-In
Part# 44282

Stanchion Chain
Part# 44283 - 4 Links

SCHAEFER
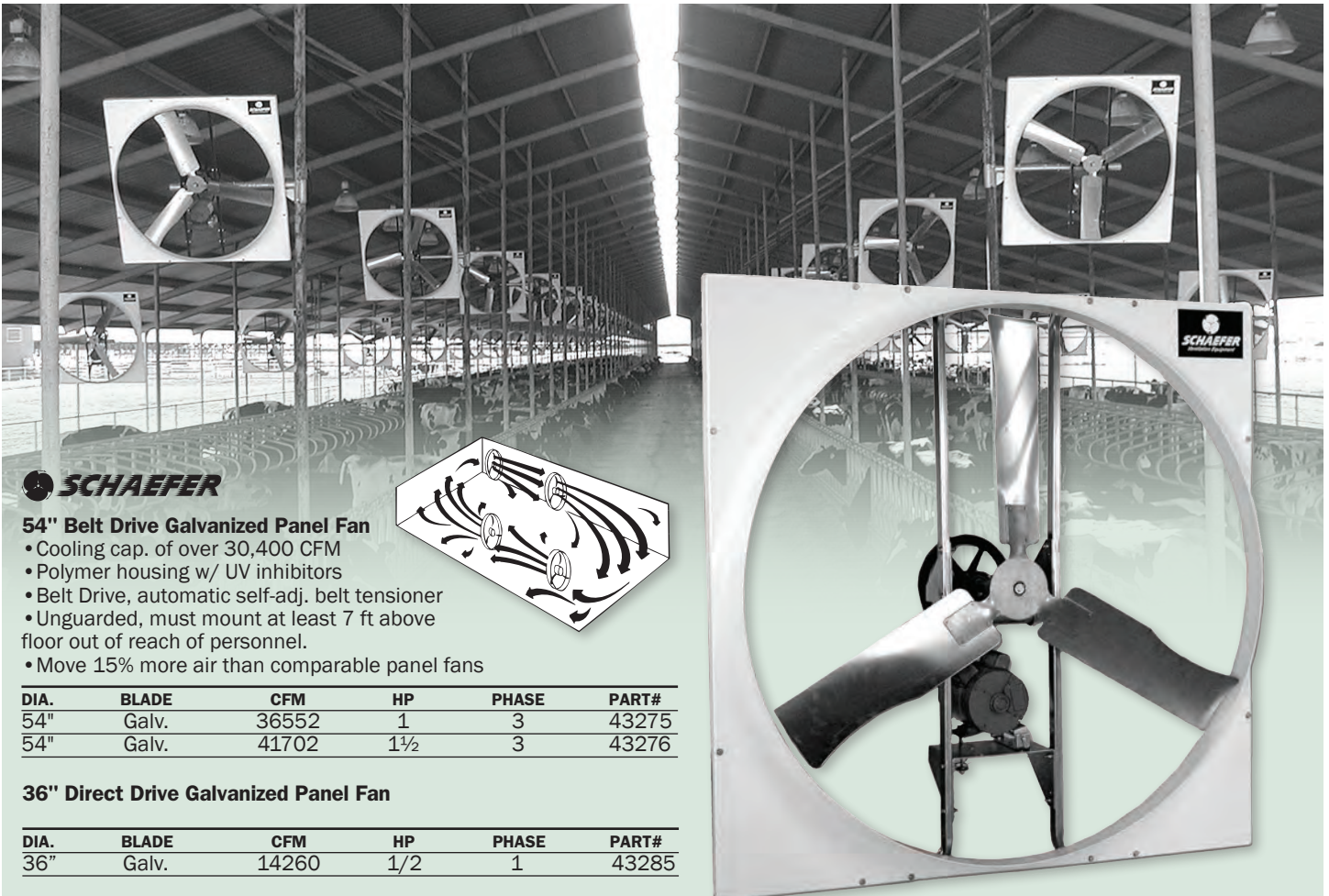
54" Belt Drive Galvanized Panel Fan
- Cooling cap. of over 30,400 CFM
- Polymer housing w/ UV inhibitors
- Belt Drive, automatic self-adj. belt tensioner
- Unguarded, must mount at least 7 ft above floor out of reach of personnel.
- Move 15% more air than comparable panel fans
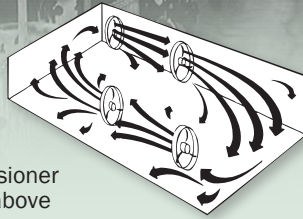
DIA.	BLADE	CFM	HP	PHASE	PART#
54"	Galv.	36552	1	3	43275
54"	Galv.	41702	1½	3	43276

36" Direct Drive Galvanized Panel Fan

DIA.	BLADE	CFM	HP	PHASE	PART#
36"	Galv.	14260	1/2	1	43285

SCHAEFER

Versa-Kool Air Circulation Fans

DIA.	CCFM	VOLTAGE	WT.	PART#
36"	12709	115/230	70 lb.	43253
36"	11469	230/460-3	70 lb.	43254

Versa-Kool Air Circulation Fans

DIA.	CCFM	VOLTAGE	WT.	PART#
12"	1554	115/230	25 lb.	43250

Ideal for small nurseries and calf barns.

20"	5156	115/230	38 lb.	43251

Perfect for medium size agricultural buildings w/low ceilings.

24"	7748	115/230	46 lb.	43252

The Barn Kooler® "System" incorporates a series of fans and controls into an integrated system that is used for both high velocity air circulation & cooling during the summer and gentle, draft-free movement during the winter months.

Replacement Motors

SIZE	VOLT-PHASE	PART#
20"		43251-2
24"		43252-2
36"	115/230-1	43253-1
36"	230/460-3	43254-1

Replacement Blades

SIZE	DESCRIPTION	PART#
20"	Replacement blade	43251-1
24"	Replacement blade	43252-1
36"	Replacement blade	43253-2

Features
- Reduces heat stress
- Increases production levels
- Helps control insects
- Helps eliminate condensation

Mist Kits

ITEM	DESCRIPTION	PART#
MK-100 4 Nozzle kit for 20" - 24" fans		43255
Brass Replacement Nozzle		43255-1
MK-200 6 Nozzle kit for 36" fans		43256

36" Direct Flow Basket Fans

DIA.	CCFM	VOLT-PHASE	WT.	PART#
36"	13324	115/230-1	70 lb.	43272
36"	13151	230/460-3	70 lb.	43273

SCHAEFER

Polyethylene Flush Mount Exhaust Fans
- Energy efficient polyprop. blades
- Heavy molded polyethylene housing
- Heavy, PVC coated, wire guards
- Operating voltage 115/230 HD
- PVC shutters with nylon bearings

Single/Variable Speed Fan Specs.

PART#	BLADE	HP	RPM	CFM
43260	9" dia.	1/6	3000	1091
43261	12" dia.	1/3	1725	1600
43262	16" dia.	1/3	1720	3085
43263	20" dia.	1/3	1720	3530
43264	20" dia.	1/2	1720	4966

Manual Variable Speed Barn Fan Control Heating Or Cooling
Part# 43265
- 12.5 amp - 115/230 volt
- Water tight enclosure

Single Speed Barn Fan Thermostat Heating Or Cooling
Part# 43701

Automatic Variable Speed Barn Fan Control Heating Or Cooling
Part# 43266
- 10 amp - 115/230 volt
- Adjustable, variable speed differential
- 3 Sec. Full power turn-on (minimizes ice-up)
- Externally adjustable auto on/off

SCHAEFER

Versa-Kool® Portable Mancooler
- Cooling cap. of over 11,000 cfm.
- HD white polyethylene housing
- Direct drive (No belts or pulleys)
- TEFC 115/230v ball bearing motor
- Supplied with 115v power cord

PART#	HP	RPM	BLADE DIA.
43268	1/2	840	36"

High Volume Roof/Ridge Inlet and Exhaust Fan
Part# 43286
- Exhausts hot air in summer, and an inlet for fresh air in winter
- For roofs pitches 2/12 to 6/12
- Dimensions: A=50 1/2", B=20 3/4", C=20", D=36 1/2", E=12 1/4" Flange Ends=2 1/4 Flange Sides=5"
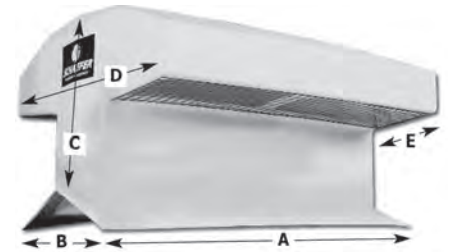
57" Fiberglass Exhaust Fans
- Fiberglass exhaust fans exhaust more air at higher static pressures
- Fiberglass housing UV protected
- Equpped with one-piece polyethylene cone, corrosion resistant
- Made in the USA with high-quality parts
- Fit side by side in dairies with standard 12, 18 and 24 foot post spacing

Single/Variable Speed Fan Specs.

PART#	DRIVE	WINGS	HP	RPM	CFM
43280	Belt	3	2	589	33,600
43284	Direct	4	2	523	33,800

- Both 3-phase models, VFD compatible
- Three or Four Wing Galvanized Blades
- RPMs and CFMs Shown at 0.05" SP
- Direct-Drive HV High Velocity delivers up to 34,000 CFM
- Belt-Drive System includes an automatic self-adjusting belt tensioner
- 15 year housing warranty and 2 year limited warranty
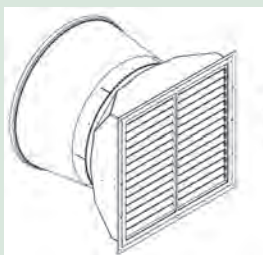
Rough in dimensions: 62.5" x 62.5"
Cone major diameter: 67"
Fan Depth: 64" from mounting flange to outside end of cone

Webtrol Booster Pumps

Heavy Duty Motors designed for continuous operation. Motors for ½ HP and ¾ HP are dual voltage--115/230, wired for 115 volts; while the motor for 1½ HP is wired for 230 volts.

MODEL	HP	MAX PSI INCREASE	PART#
L10B8	½	100	42281
L5B17	¾	180	42280
5B1528	1½	300	42282

All Webtrol units include a 25' × ¾" 300 PSI hose, hose adapter and nozzle.

Replacement Assemblies for Webtrol Pumps

DESCRIPTION	SIZE	PART#
10B8RA	For ½ HP	42287
5B17RA	For ¾ HP	42288
(Units mfg. before Jan. 1987)		
5B17RA-1	For ¾ HP	42288-1
(Units mfg. after Feb. 1987)		

High Pressure Hose

DESCRIPTION	PART#
25' × ¾" - 300 PSI	42284
50' × ¾" - 300 PSI	42286

Male and female ends.

Standard C-125 Nozzle
Part# 42285

Takes ¾" male hose fitting. Reversible tip for spray or stream. Equipped with hold-down ring.
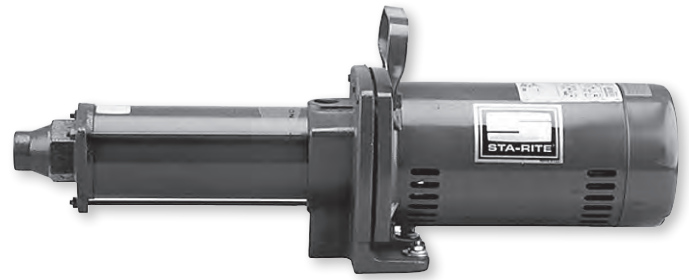
Sta-Rite Booster Pump

Maximum added pressure 60 PSI

DESCRIPTION	PART#
HP7C	½ HP	42322
HP20F	1½ HP - 220 Volt	42321

½ HP Sta-Rite Pump Parts

DESCRIPTION	PART#
U109-118 Shaft seal pkg.	42329
N20-26 Gasket seal plate	42329-0
U9-49 "O" ring	42329-1
P43-14D Washer submersible pump	42329-3
P23-18A Sleeve	42329-4
P101-3P1 Diffuser assy.	42329-5
P105-16P1 Impeller assy.	42329-6
P43-11SS Spacer	42329-7
C110-35E Booster pump shaft inertia	42329-8
U30-573SSN Hex cap with nylon	42329-9
Rebuild kit 1½ HP Sta-Rite	42321-1
Rebuild kit ½ HP Sta-Rite	42332

Parts For Red Jacket Jetsweep Booster Pump

	DESCRIPTION	PART#
168-284	Overhaul kit ½ HP	42312
076-183	Seal 1½ HP	42296
238-006-5	Discharge Hose	42301

Adapters
Part# 42325

¾" N.P.T × ¾" G.H.T.
Pkg. 85

Painted Magnum Water Bowl

Parts

ITEM	DESCRIPTION	PART#
1	¾" brass elbow	44388
2	Filter	44384
3	Spring	44383
4	Std water valve	44395
5	Nylon washer	44381
6	Seat	44379
7	Deflector	44378
8	Nylon washer	44387
9	Brass nut	44386
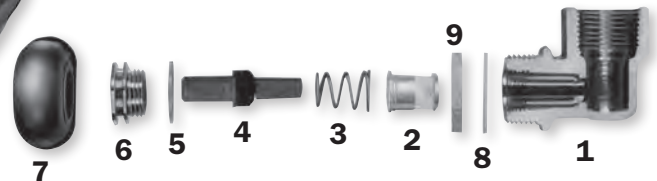
Parts For Magnum Painted & LaBuvette™ Enameled Bowls

DESCRIPTION	PART#
Valve repair kit (Complete)	44385
Shaft for nose plate	44389
Lock nut for shaft	44390
SS Nose plate	44391
Back clamp	44392

Safgard™ Cooling Systems
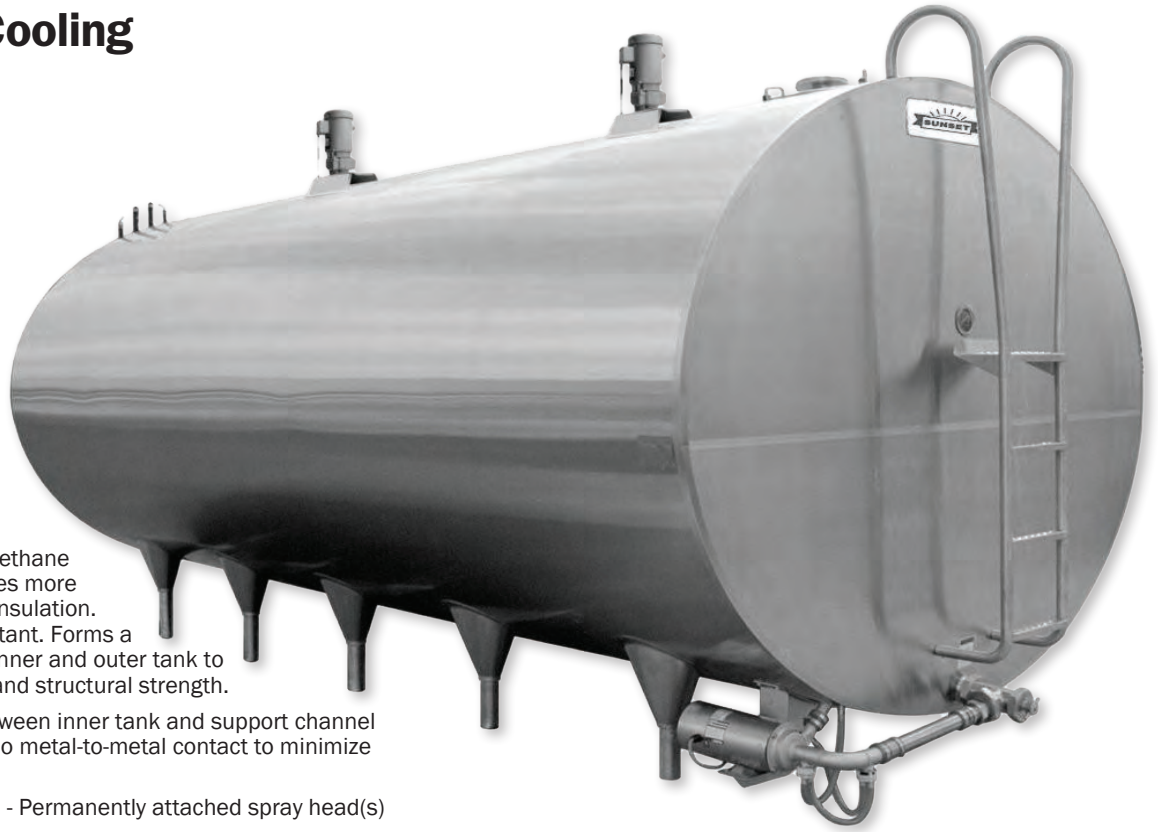
Features:

- **Foam-In-Place Polyurethane Insulation.** Three times more effective than other insulation. Highly moisture resistant. Forms a solid bond between inner and outer tank to increase the rigidity and structural strength.

- **Thermal Barrier** - Between inner tank and support channel assemblies insures no metal-to-metal contact to minimize heat transfer.

- **Built-In Wash System** - Permanently attached spray head(s)

- **Dependable, Heavy Duty Agitator(s)** - Handles day-in, day-out agitation. Motors are thermally protected & horizontally attached to gear box which is mounted to tank by a rigid SS adapter plate. (3000-7000 gallon coolers have (2) agitators.)

- **Structural Steel Support Channels** - Forms a SOLID support for inner tank to assure tank calibration accuracy.

BULK TANKS WITH CONDENSING UNITS	
PART#	DESCRIPTION
47380-G	SAFGARD SDL-1500 GALLON SYSTEM (2-4 HP)
47380-H	SAFGARD SDL-1500 GALLON SYSTEM (2-5 HP)
47380-I	SAFGARD SDL-2000 GALLON SYSTEM (2-5 HP)
47380-J	SAFGARD SDL-2500 GALLON SYSTEM (2-5 HP)
47380-K	SAFGARD SDL-3000 GALLON SYSTEM (2-5 HP)
47380-L	SAFGARD SDL-4000 GALLON SYSTEM (4-5 HP)
47380-M	SAFGARD SDL-5000 GALLON SYSTEM (4-5 HP)
47380-N	SAFGARD SDL-6000 GALLON SYSTEM (4-5 HP)
47380-P	SAFGARD SDL-7000 GALLON SYSTEM (4-5 HP)
47380-Q	SAFGARD SDL-8000 GALLON SYSTEM (4-5 HP)

GLASS CALIBRATION SIGHT GAUGES	
PART#	DESCRIPTION
47380-S	2550-4000 FRONT MOUNTED GAUGE
47380-T	5000-7000 FRONT MOUNTED GAUGE

BULK TANKS LESS CONDENSING UNITS	
PART#	DESCRIPTION
47381-E	SAFGARD SDL-1500 GALLON TANK
47381-F	SAFGARD SDL-2000 GALLON TANK
47381-G	SAFGARD SDL-2500 GALLON TANK
47381-H	SAFGARD SDL-3000 GALLON TANK
47381-I	SAFGARD SDL-4000 GALLON TANK
47381-J	SAFGARD SDL-5000 GALLON TANK
47381-K	SAFGARD SDL-6000 GALLON TANK
47381-M	SAFGARD SDL-7000 GALLON TANK
47381-N	SAFGARD SDL-8000 GALLON TANK

PART#	Tank Lid Gasket
47380-U	Tank Lid Gasket for Sunset/Bou-Matic

CONDENSING UNITS ONLY	
PART#	DESCRIPTION
47382-A	SAFGARD 3 HP CONDENSING UNIT ONLY - 1 PHASE
47382-B	SAFGARD 4 HP CONDENSING UNIT ONLY - 1 PHASE
47382-C	SAFGARD 5 HP CONDENSING UNIT ONLY - 1 PHASE
47382-D	SAFGARD 3 HP CONDENSING UNIT ONLY - 3 PHASE
47382-E	SAFGARD 4 HP CONDENSING UNIT ONLY - 3 PHASE
47382-F	SAFGARD 5 HP CONDENSING UNIT ONLY - 3 PHASE
47382-G	SAFGARD 3 HP CONDENSING UNIT ONLY - 3 PH SCROLL
47382-H	SAFGARD 4 HP CONDENSING UNIT ONLY - 3 PH SCROLL
47382-I	SAFGARD 5 HP CONDENSING UNIT ONLY - 3 PH SCROLL

Sunset Washer-Cooler Controls

Washer Cooler Control Panel w/Solenoid Box
Mfr. # 9000003 - **Part# 47384**

Washer Cooler Control Panel w/Sol. Box & 1-HP Pump Assy.
Mfr. # 9000004 - **Part# 47384-1**

Repair Parts for Snd Controller

KEY	PART#		DESCRIPTION
7	47315-9	5743570	Assembly valve - ball check
9	47309-A	5880200	Manifold assembly
10	47309-7	5880270	Cap and tube assy. - nylon replaces all
11	47309-3	5746370	Jar cover gasket
12	47309-6	5750055	Bottle/glass w/ plastic coated - thread
14	47309-B	5742630	Valve - hot and cold water - 230V
14A	20933-1	5750210	Coil hot/cold 230V blue replace white
17	47309-2	5750135	Timer (6 cycle) 110/220V
18	47309-D	5604770	Pointer knob
19	47309-E	5750140	Decal - washer timer
20	47309-F	7000200	5 min. interval and 2 hr. timer - 230V
31	47314-5	5747500	Solenoid drain valve - 230 solenoid
32	20933-1	5750210	Solenoid coil 230V - same as 14A
37	46679	6005194	2" Threaded cap only
40	47309-G	5749620	Washer supply hose - 11' × ¾" assy
44	47314-2	600HD16	Adapter 1½" × 1-⅜" (one piece)
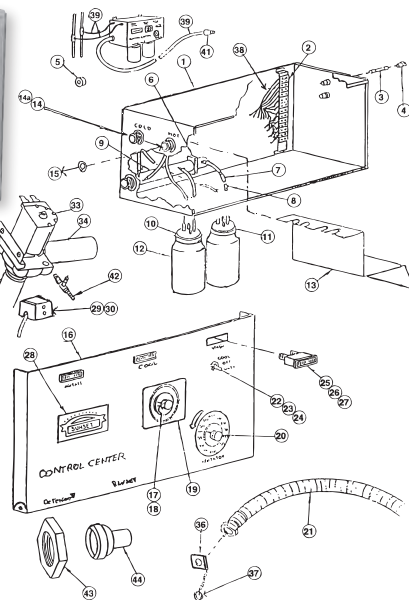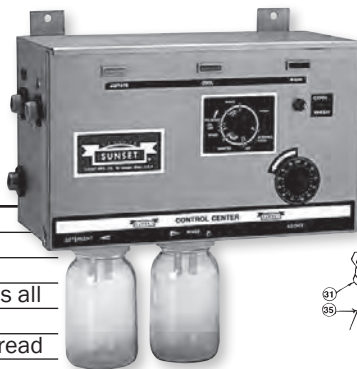
Mueller™ Replacement Parts For Milk Tank Drain and Wash Pump

DESCRIPTION	PART#	MUELLER #
Drain Valve Plastic Parts Kit	47313-A	93081
Mueller™ Drain Valve Complete (Less Orifice)	47313-B	
Drain Valve Stem (Threaded)	47313-C	8804316
Drain Valve Spring	47313-D	30140
Jar Coupler Mueller™/Sunset™	47313-E	N/A
Pump Housing Gasket 6¼" O.D.	47313-F	30690
Pump Housing Gasket 8⅛" O.D.	47313-G	30691
Vent Assembly-Mueller™	47313-H	
Drain Valve Bonnet	47313-I	30943
Drain Valve Piston	47313-J	
Piston Cap for Drain Valve	47313-K	
Drain Valve Nut	47313-L	
1½" Drain Valve Plug	47313-M	30314
2" Drain Valve Plug	47313-N	30452
Piston Jacket for Mueller™ Drain valve	47313-O	
Diaphragm for Mueller™ Drain valve	47313-P	30945
Retrofit Cap and Tube Assembly	47313-Q	
Locking Cap for 1½" Outlet Valve	47313-R	30244
Locking Cap for 2" Outlet Valve	47313-S	30237
Impeller for ½ HP & ⅓ HP (3.937" OD)	47313-T	31194
Impeller for ¾ HP & 1 HP (4.25" OD)	47313-U	31195
Impeller for 1½ HP & 2 HP (5" OD)	47313-V	8802751
Mueller™ Wash Box Manifold Assembly	47313-W	8805637
Mueller™ Shaft Seal Assembly	47313-X	3909
3/4 HP Stainless Impeller	47313-Y	59990
1 1/2 HP Stainless Impeller	47313-Z	59994

Mueller™ Replacement Parts

47313-A plastic parts kit contains bonnet, bonnet nut, piston, piston cap, body/jacket.

Mueller™ Replacement Parts Stainless Impellers

DESCRIPTION	PART#	MUELLER #
3/4 HP Stainless Impeller	47313-Y	59990
1 1/2 HP Stainless Impeller	47313-Z	59994

½ HP DC Zero Style Replacement Motor
From Indiana General "MAGNETEK" Permanent Magnet D.C. Motor (675-163) for 57" bulk tank
Part# 47436

1 HP DC Zero Style Replacement Motor
(675-274) for 61" and 77" bulk tanks
Part# 47437

¼ HP Agitator Gearbox With Dual Voltage Motor
Fits All 3-Post Mount - Tanks Up To 1500 Gallons

3 Post Heavy Duty Motor & Gearbox Assy
¾" Output Shaft, ¼ HP-115/230 V
Part# 47432

¼ HP - Dual Voltage Motor Only
C-Face
Part# 47434

3 Post Mount Gearbox Only
Part# 47433

1/3 HP - Agitator Bulk Tank Motor / System
110/230V, 1750 rpm, configure to any bulk tank brand
Part# 47315-K

Bulk Tank Washer Complete Part# 47315

Sunset Bulk Tank Washer

- 4 or 6 cycle - user has option not to use sanitation cycles.
- Pre-rinse without recirculation--only clean water sprayed into tank and drained directly out.
- Rinse Cycle - Lukewarm water, recirculated, tempers tank interior, drained.
- Wash Cycle - Hot water and detergent recirculated, positive cleaning, then drained.
- Rinse Cycle - Optional acidified rinse, recirculated, drained. OFF (Manual Advance - Some users prefer to skip last two cycles; some prefer to delay sanitizing until just before milking.)
- Sanitize Cycle - Sanitize bulk tank.
- Follow all state & local electrical codes when installing.

65 GPM, 1 HP, 3450 RPM, 115 V Motor, SS controller with signal light, adjustable spinner and easy-to-set 6-cycle automatic control.

Controls 47315-3

1 HP Pump 47315-2

Sunset Washer Parts

ITEM	PART#		DESCRIPTION
1	47312-A	5747960	Power cord
2	47309-4	5744790	Inlet hose
3	47312-B	5747991	Drain cord/change over kit
4	47312-C	600055B	10' of ¾" tubing for spinner assembly
4A	47312-D	600055A	10' × 1" tube for built-in spray ball
			(comes with #12 and #14)
5	47309-G	5749620	Supply hose assembly/washer - 11' × ¾"
			(hose, clamp, barb, nut, tapered grommet)
6	47312-F	6000033	Tapered grommet ¾" For ¾ and 1 HP pumps
6A	47312-G	6000033A	Tapered grommet ½" For ⅓ and ½ HP pumps
7	47312-H	6000055	2' Cord - mtr. to sol box
8	47312-I	5749450	Drain solenoid mounting bracket
9	47312-J	8000022	Drain solenoid box assembly
	47314-7	5749606	HD Drain valve and check over
	47315-4	5749600	HD Coil only for Drain Solenoid (110 Volt)
10	47312-K	6005350	Drain suction 1½" Kanaflex with #12 and #16
11	46678	6005193	1½" Threaded cap
11	46679	6005194	2" Threaded cap
11A	47312-L	6005191	Sanitary bracket with 1½" threaded cap
11A	47312-M	6005192	Sanitary bracket with 2" threaded cap
12	46671	5744150	Nut nylon hex 1½"
12	46673	5744155	Nut nylon hex 2"
13	47312-N	5744796	Stainless steel screen 1½"
14	47312-Q	600012B	1½" Curved adapter
14A	47314-1	600HD15	1½" × 1" Straight adapter
15	47312-5	600012A	1½" × ¾" Angle adapter
16	47314-2	600HD16	1½" × 1⅜" Adapter for suction hose
16A	47312-P	600HD162	1 Piece 2" × 1⅜" Adapter for suction hose
17	47312-7	6000020	Spinner head drilled
	47312-8	6000026	Spinner assy. complete square type
	47312-9	6000027	Spinner assy. cmplt. barrel type (18, 19, 20, 21, 22)
18	47309-8	6000013	Spinner head cap
19	47312-0	6000014	Spinner barrel
20	47312-2	6000015	Spinner piston
21	47312-3	6000016	Spinner washers (2)
22	47312-1	6000017	Spinner hose cylinder
23	47309-9	6000018	Spinner hose adapter
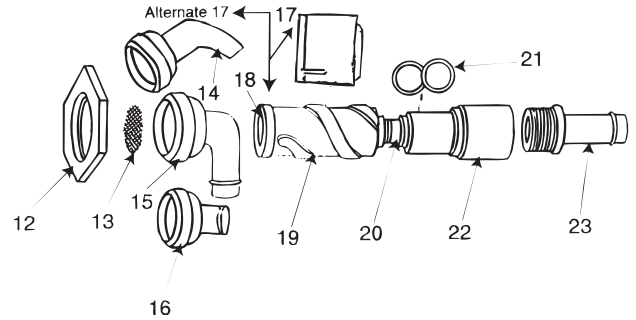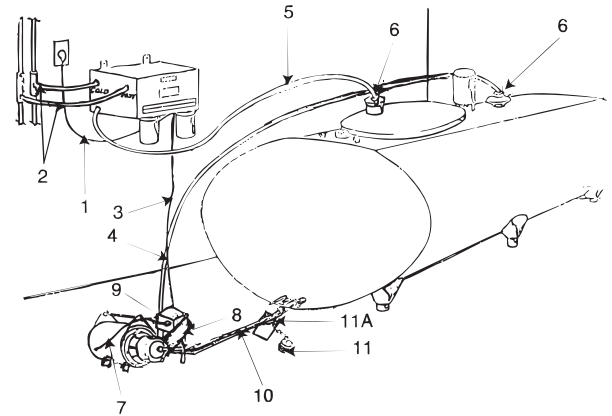
Sunset Bulk Tank Agitator System and Parts

DESCRIPTION	PART#	MUELLER #
Ag Assembly Gear Reducer w/ output flange 1/3 hp motor	47315-A	5747812H
Standard Mounting Plate for Gear Reducer	47315-B	5747822
Canadian Delaval Style Mounting Plate	47315-C	5747808
Mounting Plate for Delaval Style Century Series Replacement	47315-D	5747807
Shaft A 3/4" with 1/4" pin hole	47315-E	5610781M
Output Shaft/ Nord	47315-F	5705582M
Output Shaft - 1.125" with pin	47315-G	5705580M
Output Shaft - 7/8" with 1/4" Turn	47315-H	5705585M
Output Shaft Delaval Style Replacement A.C.E. Series	47315-I	5705586M
Output Shaft Mueller Large	47315-J	5705588M
1/3 HP Agitator Motor	47315-K	5747826
Von Wiese 1" Shaft Kit	47315-L	5705589M
Gear Box Only	47315-M	5747812M
Gear Box with Outlet Flange	47315-N	5747812F
Gear Box Mounting Plate and Adapter Shaft	47315-O	5747817M

Sunset Washer Pump Assy. & Parts - 1 HP And 1/2 HP
1-HP Pump & Motor - Mfr. # 8000020 - Part# 47315-2

ITEM	PART#		DESCRIPTION
	47308-7	600HD25	Mtr. only less SS jacket, 1 HP
1	47308-B	6005370	Mtr. only less pump with SS jacket, 1 HP
1*	47308-C	600024A	Mtr. only less pump with SS jacket, ½ HP
2	47308-1	600001A	Pump adapter, ½ HP and 1 HP
3	47308-2	6000HD2	Stainless insert back plate, 1 HP
3*	47308-D	600001B	Stainless insert back plate, ½ HP
4	47308-E	6000002	Motor shaft collar w/ set screw, ½ HP & 1 HP
5	47308-F	600008D	Spacer handle
6	47308-G	600008A	Handle end, small holes
7	47308-H	600008B	Handle end, large holes
8	47308-I	600008C	Handle, aluminum tube
9	47308-8	6000004	Shaft seal, ½ HP and 1 HP, ⅝" I.D.
10	47308-4	6000HD9	Impeller, 1 HP, plastic - 2 Blade
10*	47308-3	6000009	Impeller, ½ HP, full plastic
11	47308-6	600HD10	Pump housing, 1HP
11*	47308-5	6000010	Pump housing, ½ HP
12	47309-0	6000HD5	Pump housing "O" ring, 1 HP
13*	47308-L	6000007	Impeller spacer, SS, ½ HP
14*	47308-9	6000005	Pump housing gasket, ½ HP
15	47308-J	6000021	½" Threaded adapter ¾" barb
16	47308-K	6700019	Cap, 3 prong
17	47308-M	57463710	Spacer rubber, 1 HP
18*	47308-N	6000006	Hook bolt, ¼ - 20SS, ½ HP
19	47308-Q	600HD11	Face frame, bell housing, 1 HP
20	47312-H	6000055	2' Mtr. cord with spade connector
21	47308-P	6000007T	Mtr. moisture seal, teflon

½ - HP Pump
(* Parts for 1/2 HP Pump Only)

1 - HP Pump
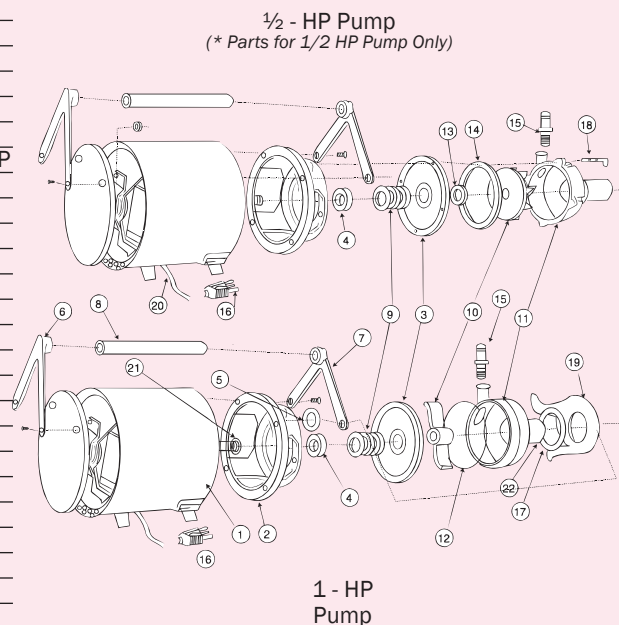
Sunset Washer Control Cabinet Assembly & Parts

Sunset Complete Cabinet Unit
Part# 47315-3
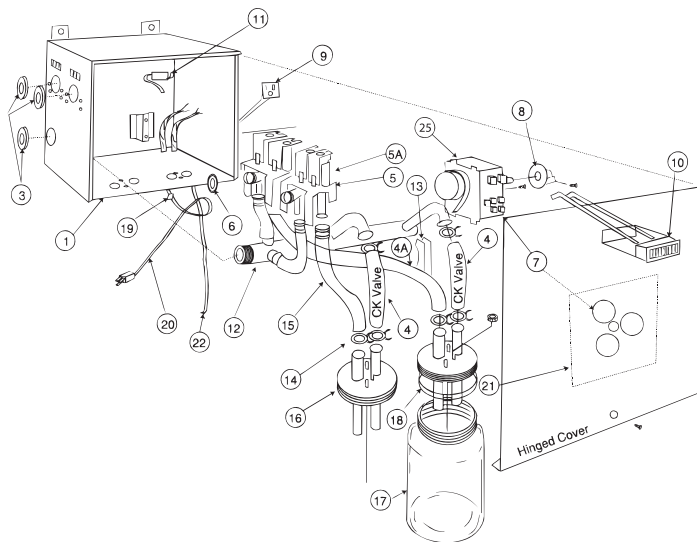
ITEM	PART#		DESCRIPTION
1	47314-A	6005130	Control box shell
3	47314-C	5965560	Grommet for wire
4	47315-9	5743570	Ball check valve assembly
4A	47314-D	5742821	Black cont. box/manifold tubing
5	47315-7	5742620A	Water valve with coil 110 volt, black
5A	20933	5744010	Coil water valve 110 volt
5B	21095	5742631	Repair kit for Dole valve
6	47314-E	57433804	Mexican hat strainer
7	47309-2	5750130	120/220 volt washer timer - all models
8	47309-D	5604470	Black pointer knob
9	47314-F	5747980	Cord-pump harness
10	47314-G	5761781A	Indicator light with wire and spade
11		5743780	Use #10
12	47309-A	5880200	Manifold assembly
13	47314-H	5742800	Manifold mounting clamp
15	45792	5742821	Reinforced hose ⅜" per/ft.
16	47309-7	5880270	Cap and tubing assembly
17	47309-6	5750055	Jar, glass with plastic coating
18	47309-3	5746370	Jar gasket
19	47314-I	6809370	Strain relief bushing
20	47312-A	5747960	Power cord
21	47309-E	5750140	Decal for washer timer
22	47314-J	5747991	4 Wire cord, wired to control to sol/pump
23	47309-B	5742630	Water valve 230 volt (not shown)
24	20933-1	5750210	Coil, water valve 230 volt (not shown)
26	47309-1	5750050	Jar, plastic (not shown)

Safgard™ Bulk Tank Safety Steps

| MODEL | DIMENSIONS | | | LBS. | PART# |
	W	D	H		
3 step	18"	10"	24"	38	21866
2 step	18"	10"	16"	27	21852
1 step	18"	10"	8"	13	21850
1 step	8'	10"	8"	29	21864
1 step	6'	10"	8"	24	21860
1 step	3'	10"	8"	18	21858

MP Cooling Tanks

The MP cooling tank series is available in 4 different capacities, covering a range from 15 Gallons to 90 Gallons. These tanks meet the needs of all home, small dairy and cheese production facilities. Fast and stable cooling and maximum energy efficiency are benefits when using any of our MP models. These tanks are fully compliant with all standards and regulations. All tanks run on standard 110V electricity and require no special wiring.

Features
• Standard 110v operation
• Electronic thermostat
• Enclosed condensing unit
• Adjustable legs
• Waterproof agitator motor
• Highly insulated tanks
• Environmentally friendly R404 refrigerant

MP15 15 Gallon 21"W × 42"H - Part# 47390
MP30 30 Gallon 30"W × 48"H - Part# 47391
MP60 60 Gallon 36"W × 49"H - Part# 47392
MP90 90 Gallon 40"W × 50"H - Part# 47393
MP140 140 Gal - Part# 47394
MP170 170 Gal - Part# 47394-1
MP225 225 Gal - Part# 47394-2
MP285 285 Gal - Part# 47394-3

Electronic thermostat. All sizes of cooling tank have a built in, programmable thermostat and feature automatic agitation programs for precise cooling. Cools milk from 95'F to 39'F in less than 2 Hours.

Part# 47393

Part# 47390

Part# 47391

FloClean 3-A Sanitary Turbine Flow Meter

SIZE	DESCRIPTION	PART#
1½"	Turbine flow meter, no hub, less cable, remot mnt. trans	47000
2"	Turbine flow meter, no hub, less cable, remot mnt. trans	47001
2"	Turbine flow meter, 10 ft cable assembly	47000-1
2"	Turbine flow meter, 20 ft cable assembly	47000-2
RED	Remote electronic display	47002

• Provides a local flow rate and volume totalization
• Accuracy of +/- 1% & repeatability of +/- .1%
• Temperatures of up to 300 degrees F (149 degrees C)
• Minimum GPM of .6 to 3.0 - Max GMP of 40 to 400
• Tri-clamp connections
• Interfaces with a variety of PLCs

Part# 47000

Mag Meter With Pulse Output

SIZE	DESCRIPTION	PART#
1"	Mag Meter with pulse output without display or remote mount	47007
2"	Mag Meter with pulse output without display or remote mount	47008
2"	Mag Meter with pulse output with remote, without display	47008-1
3"	Mag Meter with pulse output without display or remote mount	47009
RED	Remote electronic display	47002

• Open cross section design. No pressure loss, no moving parts
• NEMA 4X standard enclosure
• 2 Standard pulse outputs; solid state relay and open collector output
• Compatible with most existing batch controllers or totalizer displays
• 3A approved
• Long life corrosion resistant liner PTFE

Part# 47008

Dynasonics Transit Time Ultrasonic Flow Meter

SIZE	DESCRIPTION	PART#
1½"	Ultrasonic meter, 20 ft. cable, remote mnt transmitter & display	47003
2"	Ultrasonic meter, 20 ft. cable, remote mnt transmitter & display	47004
3"	Ultrasonic meter, 20 ft. cable, remote mnt transmitter & display	47005

• Clamps on outside of pipes
• No fluid compatibility issues
• Large, easy to read digital display
• No moving parts to maintain or replace
• Modbus RTU & BACnet MSTP over RS485 ethernet connects & various IP protocols
• Certified for hazardous area installations in North America and Europe

Part# 47004

Anderson Dairy Load-Out System

Know Exactly How Much Milk Leaves Your Farm. Measure groups, sample groups and loads - take proportional samples and running totals. Accuracy to .025%.

DS1
Includes IZML Flowmeter connected to the FTT controller/printer encased in a stainless steel enclosure. Allows measurement of group milk weights, running total weights, milking time of each string, and total milking time each 24 hours. Rinse and wash water are not measured. Tape printer keeps a hard copy for management records and assigns a lot number to each string milked. Alarm setpoints can be configured to let milking staff know when to switch milk tanks. Has 2 Relays for Alarms.

DS2
Flowmeter, control enclosure w/printer & online meter based pneumatic sampler. Same as DS1 but adds a pneumatic sampler which takes a proportional sample regardless of flow rate. Sample a string of cows or a whole tank. These samples can be used for trade with state government approval. Has 2 Relays for Alarms.

DS3
Flowmeter, with dual display totalizers in ABS enclosure. Allows measurement of group milk weights and running totals on separate displays, which include reset buttons. These figures can be recorded manually.

DS4
Flowmeter, stainless steel control enclosure w/o printer. Same measurement functions as DS1 but without printer. Has 2 Relays for Alarms.

SIZE	DESCRIPTION	PART#
1½"	DSL #1 (DS1) W/ mag meter, panel, and printer.	47024
2"	DSL #1 (DS1-2) W/ mag meter, panel, and printer.	47025
1½"	DSL #2 (DS2) W/ mag meter, panel, sampler, and printer.	47026
2"	DSL #2 (DS2-2) W/ mag meter, panel, sampler, and printer.	47027
1½"	DSL #3 (DS3) W/ mag meter and rate totalizer.	47028
2"	DSL #3 W/ mag meter and rate totalizer.	47029
1½"	DSL #4 (DS4) W/ mag meter and batch controller.	47030
2"	DSL #4 (DS4-2) W/mag meter and batch controller.	47031
	PSD-51 Diaphragm only for sampler	47034
	Printer ink cartridge	47032
	Printer paper	47033
	Sampler bottle only	47035
	Spring Threads for Sampler Bottle	47035-1
	Printer Assembly	47037

Milk to Transport

System Control Panel

Sampler

Meter

Air

Solenoid Panel

Milk In

Anderson Tank Level & Valve Control Monitors

Anderson digital level monitors tell how much milk leaves the farm. Display shows in gallons/ pounds, or liters/ kilograms. Nema 4 type stainless steel enclosures. Used in milk plants for many years, these units are accurate to .5%. Monitor different levels in up to four tanks with the LiquiTrack-400. Alarm relays for high levels are included in the LiquiTrack-400. Can automatically switch milk flow to appropriate tank.

DESCRIPTION	PART#
Pulse 100 (1 tank) w/relays wall mount	46542
LiquiTrack 400 (1-4 tanks) w/relays wall mount	46638
LiquiTrack 800 (1-8 tanks) w/relays panel mount	46639
Level transmitter with 25' cable	46544
Shell for transmitter (1 req. per trans.)	46544-1
Transmitter silicone gasket	46544-2
Transmitter plug for long shell	46544-3
Wiring Plug Connecting Kit	46544-4
Wiring Plug Only Adapter	46544-5
Cable Side Plastic Adapter	46544-6
15 AMP AC Inlet Fuse	46544-7
50 MA Channel Fuse	46544-8
SL Level transmitter with 50' cable	46545
SL Level transmitter with 75' cable	46546
SL Level transmitter with 100' cable	46547
Dart 1½" RTD with 25' cable	46554
Dart digital ref. thermometer 115V	46552
Dart digital ref. thermometer 230V	46553

Guardian I Temperature Recorders

• Complete package includes pre-wired sensor and cable.
• Digital display and high temperature alarm relay standard.

The "Guardian" provides the farmer with a hard-copy record of how his milk is being cooled and stored, as well as the time and temperature of his cleaning cycles. He'll be able to optimize his cooling, protect against "hot"-loads, and insure the tank was properly cleaned and sanitized before re-use. The standard digital display and high temperature alarm relay provide early warning signals of potential problems.

The "Guardian" ships to you as a complete package, including a pre-wired sensor (no more bulky, hard to install capillaries), ready to install on the tank, or up to 50' away. Charts are available in F. or C. for 12, 24, 48, 72 hour, or 7 day rotations.

Anderson Guardian I Recorders-1 Pen	Part#
Guardian I w/hi & low-temp alarm relay and 25 ft. RTD	46602
Guardian I w/hi & low-temp alarm relay and 50 ft. RTD	46604

Parts for Anderson Guardian Recorders	Part#
Guardian temp sensor RTD ⅜" by 25 ft.	46606
Guardian temp sensor RTD ⅜" by 50 ft.	46607
Guardian temp sensor RTD ⅜" by 75 ft.	46607-2
Guardian temp sensor RTD ⅜" by 100 ft.	46607-3
Guardian Red pen (5 per pack) 30° - 180° F also for AJ300	46608
Green pens for Guardian III Recorder (5 per) also for AJ300	46550-1
Pen drive motor kit	46607-4
Chart drive motor	46607-5
Guardian I - PCB board Only with switch	46602-1
Guardian I - Platen Assembly	46607-7
Chart Hold Down	46607-8
Pen Arm	46607-9

Replacement Charts (Box of 100)	Part#
24 hr. charts 30° - 180° F-Guardian I/III	46609
48 hr. charts 30° - 180° F-Guardian I/III	46609-1
72 hr. charts 30° - 180° F-Guardian I/III	46609-2
7 day charts 30° - 180° F-Guardian I/III	46609-3
12 hr. charts 30° - 180° F-Guardian I/III	46609-4
48 hr. charts 0° - 80° C-Guardian I/III	46610-1
7 day charts 0° - 80° C-Guardian I/III	46610-3

Thermowells	Part#
1 1/2" Tri Clamp Thermowell	46613
2" Tri Clamp Thermowell	46614
2" Drywell Tube, 8" Long with Tri Clamp	46615

Guardian III Temperature Recorders

The "Guardian III" continuously monitors and documents critical storage and wash cycle temperatures and provides alerts when temperatures deviate from set points. An alarm light on the front of the unit, as well as an optional bright signal beacon alert the producer of improper milk cooling or wash cycles on Mid and Full Level units. A version is also available which adds a "smart alarm" feature to meet Canadian milk quality guidelines and also manage milk room equipment.

Anderson Guardian III Recorders
Note: RTD Must Be Ordered Separately

DESCRIPTION	PART#
Guardian III Basic Level w/2 pens (24 hr)	46611
Guardian III Basic Level w/2 pens (48 hr)	46611-1
Guardian III Basic Level w/2 pens (72 hr)	46611-2
Guardian III Basic Level w/2 pens (7 day)	46611-3

Parts for Anderson Guardian Recorders	Part#
Guardian temp sensor RTD ⅜" by 25 ft.	46606
Guardian temp sensor RTD ⅜" by 50 ft.	46607
Guardian temp sensor RTD ⅜" by 75 ft.	46607-2
Guardian temp sensor RTD ⅜" by 100 ft.	46607-3
Guardian Red pen (5 per pack) 30° - 180° F	46608
Green pens for Guardian III Recorder (5 per pack)	46550-1
Pen drive motor	46607-4
Chart drive motor	46607-5

AJ-300 Recorder / Recording Controller

The new AJ-300 is designed specifically for sanitary fluid processing applications. Available in single or dual pen versions, these units record on the largest 12" charts in the industry for maximum resolution and readability. Simple keypad programming with modular relay and 4-20 mA output options.

DESCRIPTION	PART#
AJ-300 Tank Pasteurizer Recorder	46558
12 hr. Pasteurizer chart 12" 90-190 deg.	46558-1
7 day AJ-300 chart 12" 0-200 deg.	46558-2
7 day AJ-300 chart 12" 30-230 deg.	46558-3
Chart Drive Motor and Hold Down	46558-4
Guardian Red Pens (5 per Pack) for AJ-300	46608

**Poly Cabinet
Chart Box
Part# 46618**

PARTS FOR PARTLOW MODEL J786A	PART#
Chart drive nut	46630
Cover latch kit	46630-3
50 pressure sensitive charts - 24 hr.	46633
50 pressure sensitive charts - 48 hr.	46633-1
50 pressure sensitive charts - 7 day	46633-2
100 ink type (regular) charts - 24 hr.	46634
100 ink type (regular) charts - 48 hr.	46634-1
100 ink type (regular) charts - 7 day	46634-2
Replacement cartridge for 404 pen assy. - 5/pkg.	46644
404 pen assy. 5/cartons and 1 arm	46645

CHARTS/Parts for Other Recorders

Palmer Charts 12B130
100/pkg. - **Part# 46621**
24 Hr. - **Part# 46622**

Taylor Ink Charts (100 / Pkg)
24 Hr. - **Part# 46622**
48 Hr. - **Part# 46623**

AJ-300 Vat Pasteurization Package

Package consists of an AJ-300 recorder along with two dual element all stainless steel temperature probes. One probe is used for monitoring airspace temperature and the other is used for product temperature. Each probe has an integral display that is easily viewable.
Part# 46600

AV-9000 Four Pen Color Recorder

The most advanced recorder that can be adapted to control HTST Pasteurizers. Prints its own colored charts.
Part# 46548

DESCRIPTION	PART#
Chart for AV-9000	46548-1
4 Color Pen Cartridge	46644-3

**DTG - Sanitary
SS Digital Temp Gauge
with 9⅛" Probe (for
retort applications)**
Legal for trade and PMO.
Part# 46556-1

**DTG - Sanitary SS
Digital Temp Gauge
with 9⅛" Probe**
For milk tank with threaded thermo-well.
Part# 46556

**90mm Standard
Sanitary SS
Vac/Pressure
Gauge**
Can be mounted on milk lines.
Part# 46549

Thermowell w/Strain Relief

DESCRIPTION	PART#
1½" Tri-Clamp	46613
2" Tri-Clamp	46614

Safgard™ CIP Washing Spray Balls

At Schlueter we work with you to find the right spray solution to meet your requirements. All our static spray balls are manufactured in the USA and have quick turnaround. We stock many standard designs for your availability. They are custom engineered made for your process and all are sanitary designed to meet 3-A standards. Made with 316L stainless steel and sanitary finish of 32 Ra (#4). Offered with standard Bayonette Pin or Wrap-Around Clip Available.

**Spray Balls/Pins
for Closed Top Tanks**
• For vertical or horizontal closed top tanks.
• Apply multiple balls for larger tanks.

**4" Spray Ball/Pin Upper Spray Pattern
Model SB-1-40**
1" Slip Collar,
Rated 40 GPM @ 25 PSI
Part# 31405

**4" Spray Ball/Pin Upper Spray Pattern
Model SB-1-40**
1⅛" Slip Collar,
Rated 40 GPM @ 25 PSI
Part# 31406

**4" Spray Ball/Pin Upper Spray Pattern
Model SB-1-40**
1½" Slip Collar,
Rated 40 GPM @ 25 PSI
Part# 31410

**4" Spray Ball/Pin Upper Spray Pattern
Model SB-1-80**
Rated 80 GPM @ 25 PSI, 1" Slip Collar
Part# 31398

**4" Spray Ball/ 1.5" Slip Collar
Model SB-5-4 360 deg. Pattern**
Rated 40 GPM @ 25 PSI
Part# 31452

**4" Spray Ball/Pin (Specify Pattern)
Model SB-3-S-4, 1.5" Slip Collar**
Part# 31422

4" Spray Ball/ 360 deg. Pattern
Rated 40 GPM @ 25 PSI
1.5" Slip Collar,
Part# 31422-1

**4" Spray Ball/Pin Down Spray Pattern
Model SB-4-40**
Rated 40 GPM @ 25 PSI, 1.5" Slip Collar
Part# 31439

**3" Spray Ball/ 1.5" Slip Collar
Model SB-5-3 360 deg. Pattern**
Rated 40 GPM @ 25 PSI
Part# 31453

**2.5" Spray Ball/ 1.5" Slip Collar
(Specify Pattern)**
Rated 40 GPM @ 25 PSI
Part# 31445

**2.5" Spray Ball/ 1.5" Slip Collar
Model SB-1-2.5**
Rated 40 GPM @ 25 PSI
Part# 31450

**2.5" Spray Ball/ 1.5" Slip Collar
Model SB-5-2.5 360 deg. Pattern**
Rated 40 GPM @ 25 PSI
Part# 31454

**2" Spray Ball / 1.5" Slip Collar
Model SB-3-2 (Specify Pattern)**
Rated 40 GPM @ 25 PSI
Part# 31442

**2" Spray Ball/ 1.5" Slip Collar
Model SB-5-2 360 deg. Pattern**
Rated 40 GPM @ 25 PSI
Part# 31455

**4" Spray Ball /Pin Angle Pattern
Model SB-2-40
1 1/2" Slip Collar**
Part# 31411
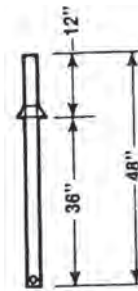
Solution Supply Tubes

**ST-1-1 1/2" Tube x 48" long
Part#: 31413**

**ST-1-2" Tube x 48" Long
Part: 31412**

**ST-1-1.5 Tube x 6" Long
Part# 31613-1**

**ST-1-2 Tube x 6" Long
Part# 31412-1**
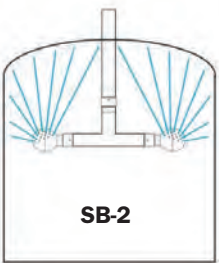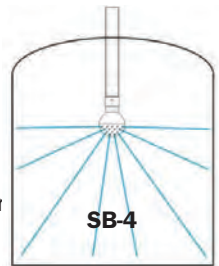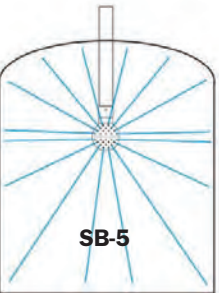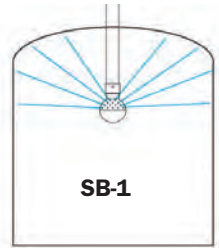
Spray Ball Pins/Clips

**3/16" Hairpin for 1.5" Slip Connection
Part# 31419**

**3/8" Hairpin for 2" Slip Connection
Part# 31474**

**1/8" Hairpin for 1.5" Slip Connection
Part# 31418**

**1.5" Wrap Around Clip
Part# 31419-1**

**2" Wrap Around Clip
Part# 31474-1**

SB-1

SB-5

SB-4

SB-2
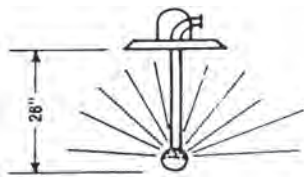
**Tanker Washer
Model TS-1**
Rated 40 GPM @ 25 PSI
• Drop-in tanker spray washer
• SB-1-80 GPM Spray Ball
Part# 31425
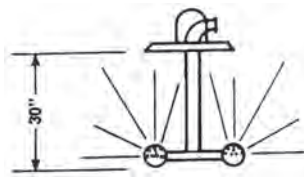
**Tanker Washer
Model TS-2**
Two SB-2-40 GPM Spray Balls
• Drop-in tanker spray washer
Part# 31426
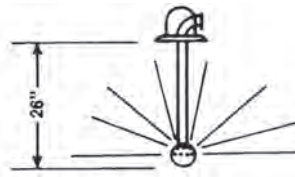
**Tanker Washer
Model TS-3**
SB-3-40 GPM 3" Spray Ball
• Drop-in tanker spray washer
Part# 31427
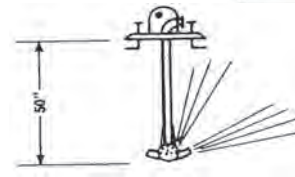
**Tanker Washer
Model TS-4**
Req 120 GPM at 55-60 PSII
• Drop-in tanker spray washer
Part# 31428

TS-4
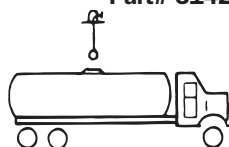
**TS-1 Tanker Washer for up to 12' tanker,
TS-2 up to 16' tanker,
TS-3 up to 20' tanker (need 2),
TS-4 for 20'-40' tankers.**

Safgard™ Bulk Tank Valves

SIZE	DESCRIPTION	PART#
1½"	Bevel seat w/ nut to thread	44535-1
1½"	Tri-Clamp to thread	44535-2
2"	Bevel seat w/ nut to thread	44536-1
2"	Tri-Clamp to thread	44536-2
3"	Bevel seat w/ nut to thread	44538-1
3"	Tri-Clamp to thread	44538-2
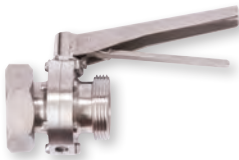
Agitator Shaft Shields
¾", 1", 1⅛", & Blank

DESCRIPTION	PART#
4½" Dia. W/ ¾" Hole	47313-1
4½" Dia. W/ 1" Hole	47313-2
4½" Dia. W/ 1⅛" Hole	47313-3
4½" Dia. W/O Hole	47313-4

Discharge Pipe Drip Shield
1½" ID × 2½" OD
Part# 45605

Bulk Tank Covers

DESCRIPTION	PART#
Cover only, plain - 7 ¼" Dia.	26650
Cover with 1½" hole - 7 ¼" Dia.	26651
Cover with hole and clip - 7 ¼" Dia.	26652

COVER WITH TUBULATIONS FOR:	PART#
⅝" hose	26654
¾" hose	26649
⅞" hose	26653
1" hose	26657

Tank Lid Gasket For Sunset™Bou-Matic™ DeLaval™ Style Tanks
Part# 47380-U

1½" Drawn Hole Plug
Part# 26648

Threaded Plugs for Tank Hose

DESCRIPTION	PART#
1½"	46678
2"	46679

1½" - 3" Threaded Closures

SIZE	DESCRIPTION	PART#
1½" Female	w/o chain closure	46680
1½" Female	w/ chain closure	46681
1½" Male	w/o chain closure	46682
1½" Male	w/ chain closure	46683
2" Female	w/o chain closure	46684
2" Female	w/ chain closure	46685
2" Male	w/o chain closure	46686
2" Male	w/ chain closure	46687
2½" Female	w/o chain closure	46688
2½" Female	w/ chain closure	46689
2½" Male	w/o chain closure	46690
2½" Male	w/ chain closure	46691
3" Female	w/o chain closure	46692
3" Female	w/ chain closure	46693
3" Male	w/o chain closure	46694
3" Male	w/ chain closure	46677
4" Female	w/o chain closure	46669-1
4" Female	w/ chain closure	46669-2
4" Male	w/o chain closure	46669-3
4" Male	w/ chain closure	46669-4

Stainless Steel Hose Chutes
Continuous hinge with brass pin for long lasting operation.

WALL SIZE	MATERIAL	PART#
5" thru 9"	Stainless Steel	46125-S
7" thru 13"	Stainless Steel	46126-S

6" × 6" Wall hole required for all sizes.

SS Hex Nut

SIZE	PART#
1½"	45204
2"	45205
2½"	45206
3"	45207
4"	45208

Plastic Hex Nut

SIZE	PART#
1½"	46671
2"	46673
3"	46673-1

Plastic End Cap

SIZE	PART#
1½"	46672
2"	46674
3"	46674-1

15SWX Threaded

SIZE	PART#
1½"	46733
2"	46734
2½"	46735
3"	46736

25 H Wrench

SIZE	PART#
1½"	44681
2"	44682
2" x 1½"	44682-1
2½" x 2"	44682-2
2½"	44683
3"	44684
3" x 2"	44684-1
4"	44685

SS Milk Tapper

DESCRIPTION	PART#
1½"	45236
2"	45237
3"	45235

(Made with bevel seat end cap)

Bulk Tank Reducers

DESCRIPTION	PART#
Stainless Steel 2" bevel seat to 1½" threaded	46668
Stainless Steel 2" threaded to 1½" bevel seat w/ nut	46675
Plastic 2" bevel to 1½" threaded	46670
Plastic 3" bevel to 2" threaded	46670-1

Pocket Thermometer
Part# 46285

- 1" diameter dial
- 5" stem length
- Ranges 0˚ - 220˚ F.
- External recalibrator
- Plastic carrying case
- 1% accuracy

Screw In Thermometer
Part# 46284

- ¼" NPT Fitting
- 2" Long Stem

¼" Screw-in Thermometer Coupling for Pipeline
Part# 46284-1

SS Bulk Tank Thermometer
Part# 47383

- 3.5" diameter W/mtg. Flange
- 5' Capillary tube
- 0-85 degrees Fahrenheit

Universal fit. Fits directly on to most bulk milk coolers with no modification. Will fit all other milk coolers with only minor modification to the dry-well.

Sanitary Lubricants Petro Gel
Use on Valves, "O" Rings, Gaskets and Slides
Part# 49989

Contains USP Mineral Oil and other USP ingredients. It is absolutely tasteless and odorless. Will not taint when coming in contact with food products. Impervious to water. 12/box

Lubri - Film Spray
Sold by Case (6 - 11.25 spray per case)
Part# 49988

Heavy duty lubricating spray. USDA Rated.

Cleaning & Cooling SS Pump and Motor Frame
Part# 45738

Strap-On Water Heater Element
3' long / 1" wide galvanized wrap around band heater.

VOLTAGE	WATTAGE	PART#
110V	750	22030

Kuri Tec High Pressure Tubing

- Longitudinally reinforced to reduce elongation under pressure
- Crystal clear polyvinyl chloride
- Reinforced with spiraled polyester cords
- Self extinguishing
- Ozone and atmospheric resistant
- Chemical resistant
- Non-toxic compounds
- Glass smooth interior
- Temperature range 25° F (-4°C) to 150° (65°C)
- Non marking
- Lightweight

DESCRIPTION	PART#
¼" × ⁷⁄₁₆"	45790
⁵⁄₁₆" × ¹⁷⁄₃₂"	45791
³⁄₈" × ⁹⁄₃₂"	45792
½" × ¾"	45793
⅝" × ⁵⁷⁄₆₄"	45794
¾" × 1¹⁄₃₂"	45795
1" × 1⁵⁄₁₆"	45796
1¼" × 1⅝"	45797
1½" × 1¹⁵⁄₁₆"	45798

Stainless Steel Milk Sample Dippers

OZ.	LENGTH	PART#
2	20"	31759
3	20"	31760
4	20"	31761
2	36"	31759-1
3	36"	31760-1
4	36"	31761-1
8	20"	31764

Rubber Fab™ Custom RF-FDA Hose with Tri-Clamp or Bevel-Seat Fittings.

Food grade, nitrile lined, seamless. Order your special hose by size, fitting style(s), and hose length. You may combine tri-clamp and bevel seat fittings on the same hose eliminating costly adapters. Contact us.

End Style — *Hose* — *End Style* — *Assembly Length*

Special Order

SIZE	DESCRIPTION	PART#
1½"	Tri-clamp fitting	45985
2"	Tri-clamp fitting	45986
3"	Tri-clamp fitting	45988
1½"	Bevel seat w/nut	45990
2"	Bevel seat w/nut	45991
3"	Bevel seat w/nut	45993
1½"	Hose (per foot)	45980
2"	Hose (per foot)	45981
3"	Hose (per foot)	45983

Safgard™ Cool Milk Stainless Steel 4" Shell-And-Tube Heat Exchanger
Part# 48570

Body: 4" clamp shell 45.0" long. Total length 52.0" with ends 1.5" clamp.
Tubes: 15 - 5/8" ID Tubes have about 10 SQ FT of heat exchanging area.
Weight: 42 LB Completed Weight: 50 LB
Material: All 304 Stainless polished OD on the shell and ID in the tubes to meet 3-A standards.
Side Inlets: Two 3.0" male NPT.
Uses: Exchange heat or cold for liquid to liquidor air to liquid or air to air.
Instructions: The product being heated or cooled needs to flow in reverse directions. Use multiple units to make double pass heat exchangers.

Uses
Milk pre-cooling before the milk tank
Milk heating, to make calf milk pasteurizer
Cooling milk or juices to the filler machine
Vacuum pump exhaust heat reclaiming to make hot wash water
Boosting wash water temperature in a CIP system
Replaces heat exchangers with defective gaskets
In-floor heating

Sunset™ Heat Reclaimer
Operating Principle

Heat recovery storage tank is located between compressor and fan controlled air condensing unit. Hot gas is pumped from tank to heat recovery unit and through a mild steel dimple plate.

Heat is transferred from the plate to water in the tank. Unit also acts as a condenser to absorb the condensing load in hot water.

NOTE: Most dairy markets require a backup hot water heater. The 120E has a heating element; therefore, no additional water heater is required.

Product features
- Glass lined storage unit
- Mild steel heat exchanger (more efficient than S.S. plate)
- Fiberglass insulation/metal, coated outer jacket
- Aluminum anode
- Safety valve
- 110/170 thermostat on Model 120E
- 5 year limited warranty

THREE MODELS *TWO PLATES	SHRP-80	SHRP-120*	SHRP-120E* W/ELEMENT
PART#	47377	47378	47379
Capacity	80 Gal.	120 Gal.	120 Gal.
Overall Height	61"	64"	64"
Diameter	24"	28"	28"
R12-Gas	3 Ton	10 Ton*	
R22-Gas	10 Ton	125 Ton*	

* Max. cap. for 120 dual is combined total for both plates.

Telescoping Air Intakes

Filter Type For Air Intake
Screen Type For Air Exhaust
- Full 4" flanged louver allows free air movement & weather protection.
- Heavy duty multi-velocity washable filter
- Filter reversible for either flow of air.
- All units are UPS shippable

Zelos Wall-Mounted Heat Exchanger

A heat exchanger to take heat from compressors, refrigeration and air conditioning units and put it into water. Made of copper spiralled (ribbed) tubing—it allows hot gases to continue to flow without coring. Using R22 gas, the Zelos produces 10 gal. of water per horsepower per hour from 55˚ to 150˚F.

ZELOS - 2 TO 7.5 HP	PART#
P4 without pump	47375

		COMPLETE UNITS	REPLACEMENT PARTS	
SIZE	ITEM	PART# SCREEN	PART# SCREEN ONLY	PART# FILTER ONLY
15" × 15"	216	N/A	43316	
16" × 24"	224	43312	43317	
16" × 32"	232	43313	43318	43321
16" × 40"	240	43314	43319	43322
20" × 24"	2024	43344	43352	43323
24" × 40"	2440	43349	43354	43325
30" × 32"	3032	43340	43353	43324
30" × 40"	3040	43346	43355	

* Allow ¼" additional openings per side when installing

Safgard™ Commercial Duty Plate Coolers - Rated up to 150 PSI

Safgard Model #S-8

PART#	PLATES / PASS	END PLATE	MILK CAP.	APPROX. DRY WT.
47317	25 Plate / Single	Stainless	.65 gal.	200 lbs.
47318	45 Plate / Single	Stainless	1.45 gal.	224 lbs.
47319	25 Plate / Single	Powder Coat	.65 gal.	200 lbs.
47320	45 Plate / Single	Powder Coat	1.40 gal.	224 lbs.
47317-1	Plate Only			1.3 lbs.
47317-2	Gasket only			

Safgard Commercial Duty Powder Coated Series Heat Exchangers With Standard Floor Frame #S-20

PART#	PLATES / PASS	END PLATE	MILK CAP.	APPROX. DRY WT.
47321	35 Plate / Single	Powder Coat	2.5 gal.	558 lbs.
47322	77 Plate / Single	Powder Coat	5.4 gal.	665 lbs.
47323	99 Plate / Single	Powder Coat	6.8 gal.	737 lbs.
47321-1	Plate Only			2.8 lbs.
47321-2	Gasket only			

Safgard Commercial Duty Stanless Steel Series Heat Exchangers With Standard Floor Frame #S-20-S

PART#	PLATES / PASS	END PLATE	MILK CAP.	APPROX. DRY WT.
47324	35 Plate / Single	Stainless	2.5 gal.	788 lbs.
47325	77 Plate / Single	Stainless	5.4 gal.	905 lbs.
47326	99 Plate / Single	Stainless	6.8 gal.	967 lbs.
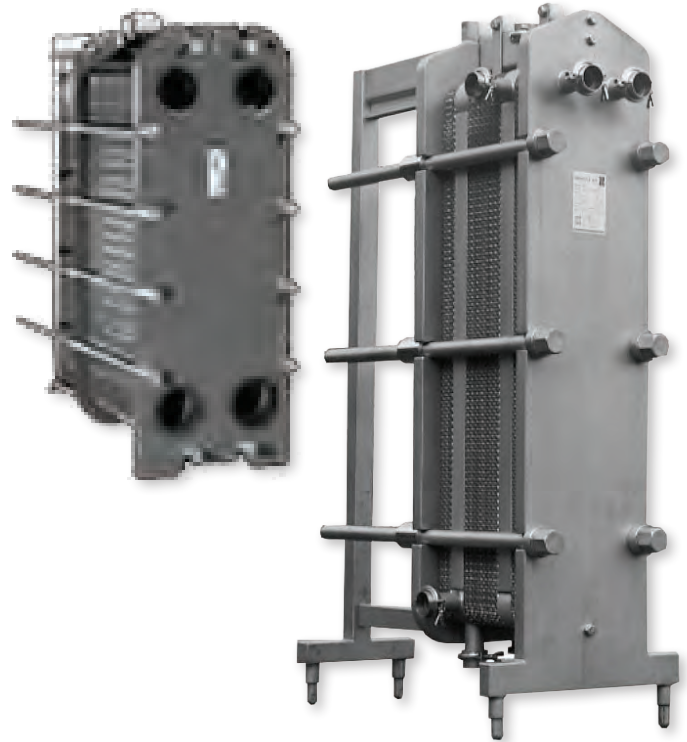
Commercial Duty and Model S-8 and S-20 Features:
- Reinforced Inlet
- Full Drain Leak Detect
- Strong Metal, Plate to Plate Alignment Device
- Improved Heat Transfer
- Fully Sanitary, meets current 3A/FDA Requirements
- Titanium and Alternate Alloy Plates Available
- Standard, High Temperature Nitrile, EDPM and Fluorocarbon (Viton®) Materials

Commercial Duty and Model S-8 and S-20 Features:
- Increased Efficiency
- Higher pressure design - 150 psi.
- Full Metal-to-Metal alignment to prevent plate shifting
- Strong Side Band Gasket Groove Support
- Improved Leak Detect Meets current 3A Sanitary standard 11-05
- Wide Gap to Resist Fouling
- Available Standard AISI 316 S.S. (22 ga.) Thickness (alternative alloys available)

Plate Coolers

Features
- 3-A approved for in-place cleaning
- Brings milk temp. down to within 3˚C of water temp.
- Cuts compressor time up to 50%.
- Cools milk from 95˚F to as low as 55˚F
- Place filter prior to plate cooler
- 3mm per plate spacing
- 1½ mm spacing for end plates
- Water flow to exceed milk flow by a minimum of 2 - 2.5 times
- Capacities based on continuous flow

MODEL	FLOW (LBS/HR)	PLATES	PART#
M300	3065	24	47343
M400	4200	30	47345
M600	6245	42	47347
M800	8285	54	47349

DESCRIPTION	PART#
4 Hole Plate w/ Gasket	47330
Gasket Only - For plate	47337
1"-"O" Ring for old style Plate Cooler	47336
1¼" flat gasket	47336-2
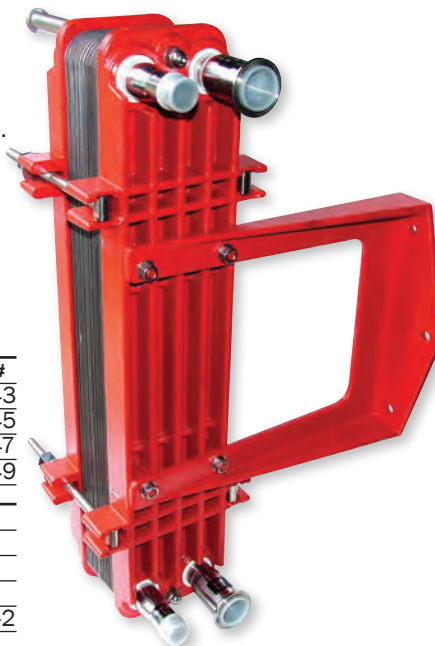
Standard Screen Gaskets

SIZE	PART#
1½"	47335
2"	47335-1
3"	47335-2

EPDM Perforated Gasket .033 20 mesh

SIZE	PART#
1½"	45350
2"	45351
2½"	45352
3"	45353
4"	45354

Air Cooled Cold Shot Chillers

Excellent way to revive/reuse a milk tank with leaking cooling plates. Chillers are often less expensive than repairing the milk tank. Chillers can be sized to to cool 100% of the milk entering the tank, or sized to supplement the existing refrigeration system. Plate cooler and chiller combinations are relatively easy to install, and require little space. Cold Shot Chillers are pre-assembled and factory tested assuring dependability.

30 Ton Unit

Cold Shot Chillers
Product Sizes
- 2 to 7.5 ton chillers, single stage with one Copeland scroll compressor
- 10 to 20 ton chillers, two stage with tandem Copeland scroll compressor
- 25 to 40 ton chiller units include single Carlisle semi-hermetic reciprocating compressor with two unloaders
- 50 to 70 ton chiller units include two Carlisle semi-hermetic reciprocating compressor with two unloaders on circuit A
- 80 to 100 ton chiller units include three Carlisle semi-hermetic reciproating compressor with two unloaders on circuit A

Rugged Dependability on 7.5-Ton Air-Cooled Portable Single Stage Water Chillers

Cold Shot Chillers
Features
- Dependable Copeland Welded Hermetic Scroll Compressors
- Stainless Steel Brazed Plate Evaporators
- Brass Pump Down Service Valves
- Large Copper Condensing Coil with Aluminum Fins
- Powder Coated, Louvered Protective Condenser panels
- Strong Stainless Steel Centrifugal Pumps
- Oversized Magnetic Contactors
- Powder Coated Steel Frame and Welded Stainless Steel Reservoir

Cold Shot Chillers
Benefits
- Long Life - Maintenance Free
- Compact Efficiency
- Allows for Field Service without Disassembly
- Rugged Protection while allowing for Easy Maintenance and Wash Down
- High Flow - Long Life - Dependable
- Lifetime Warranty given Rugged Dependability!

Commercial Dairy Chillers
Milk Cooling/Pasteurization Heat Recovery

From pre-cooling milk to the pasteurization process, high-efficiency, indirect, and direct cooling can be achieved in a few ways with our robust Commercial Dairy Chillers. Built with quality components to withstand harsh environments while still maintaining precise temperature control. The designs feature proven methods to prevent downtime and offer energy savings with our variable speed components, redundant systems, and intelligent controls for safety and reliability.

Product Features
- Air Cooled Condenser, Closed Loop
- Water or Water/Glycol
- Ambient Temp Range -20°-95° F
- Leaving Fluid Temp 28° F
- Fluid Setpoint 25-50° F
- Hermetic Scroll Compressors
- Centrifugal Pumps
- Hot Gas Freeze Protection
- Insulation
- Anti-Backflow Kit
- Built to UL 1995
- 18-Month Parts and Labor Warranty

MODEL	CAPACITY AT 28°F LFT*	COMPRESSORS	ELECTRICAL	FLA	TANK CAPACITY	UNIT DIMENSIONS (LxWxH)	INLET/OUTLET CONNECTORS	PUMP STANDARD	
INDOOR	BTU/HR	QUANTITY	VOLTS	AMPS	GAL	INCH	INCH	GPM	PSI
PVO-5000	41,000	1	460/3/60	12	30	TBD	1.5	15	50
PVO-7500	60,000	1	460/3/60	21	30	55x44x66	1.5	22	50
PVO-10000	80,000	1	460/3/60	23.2	30	55x44x66	3	30	50
PVO-15000	120,000	2	460/3/60	39.4	35	55x52x107	3	45	50
PVO-20000	160,000	2	460/3/60	53.3	35	68x52x107	4	60	50
PVO-30000	240,000	3	460/3/60	63.6	35	95x52x107	4	90	50
PVO-40000	320,000	4	460/3/60	92.2	60	67x96x107	6	120	50
PVO-60000	480,000	6	460/3/60	150	60	97x96x107	6	180	50
PVO-90000	720,000	6	460/3/60	225	90	TBD	6	270	50

Safgard™ Large Inline and Side Discharge Strainers

SIZE AND DESCRIPTION FOR TUBE FILTER MATERIALS	INLINE	PART#
4⅞" × 17" Tube Strainer w/ 1½" inlets		48690
4⅞" × 33½" Tube Strainer w/ 1½" inlets		48691
4⅞" × 33½" Tube Strainer w/ 2" Inlets		48691-1

FOR SOCK FILTER MATERIALS	SIDE DISCHARGE	PART#
4⅞" × 17" Sock Strainer w/ 1½" Inlets		48672
4⅞" × 33½" Sock Strainer w/ 1½" Inlets		48670
4⅞" × 33½" Sock Strainer w/ 2" Inlets		48671
4⅞" × 33½" Sock Strainer w/ 2½" Inlets		48676

Safgard™ Inline Strainers (Also Available as Side Discharge Parts)

Strainers are fabricated for multiple applications. By using perforated screens, fabric filter material, mesh overlays and wedgewire frames we accomplish filtration for many needs.

Frame - 3" dia. - ¼" perforated with "O" ring / retainer groove for overlay / rubber plug end retainer

Frame with filter sock overlay

Frame with wire mesh overlay / stainless end cap and lock pin/sleeves for internal feed also available
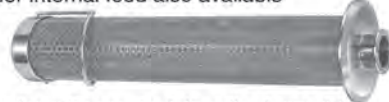
Wedgewire frame (specify spacing) / easily cleaned / no overlay required

Sanitary Air Vents

Sanitary Air Vents

Part# 32683 1 1/2" TC
Part# 32742 2" TC
Part# 32684 2 1/2" TC
Part# 32685 3" TC
Part# 32686 4" TC

Side Discharge   Inline

Side-Discharge Strainer Parts

DESCRIPTION	PART#
White Flat Seal Gasket	48697
Top Seal (4" Hycar Gasket) Not Pictured	45197
Filter Seal O Ring	48695
Two Tabbed "O" Ring	48695-1
Bottom (plug) seal cap	48674

Straight In-Line Strainer Parts

DESCRIPTION	PART#
Top Seal (4" Hycar Gasket) Not Pictured	45197
Filter Seal O Ring	48695
Two Tabbed "O" Ring	48695-1
Bottom (plug) seal cap	48674

Pot Strainers

Applications: Liquid Egg - shell and chelaze removal, Ice Cream - fruit and nut reclaim, Particulate removal from product run.

Pot Strainer

DESCRIPTION	PART#
SS Pot Strainer with Stand	31868

*SPECIFY PERFORATION SIZE CHART BELOW

Pot Strainer Insert Screens

DESCRIPTION	PART#
Strainer Insert .065 Perforation	31875
Strainer Insert .095 Perforation	31875-1

*AVAILABLE IN 1 MM HOLE/PERFORATION

Specify Pot Hole Size

Perforated stainless Pot walls also available in hole sizes other than
.065 holes — 41% open
.095 holes — 33% open

Wedgewire — sturdy easily cleaned - spaced for fine particulate removal
.0025 spacing — 4% open
.005 spacing — 8% open
.010 spacing — 14% open
.065 spacing — 52% open

Rotary Drum Strainers   Designed for Industrial and Municipal Wastewater, Effluent and Ecology Applications.

Externally Fed RDS

SIZING REFERENCE

STRAINER SLOT OPENING	0.010	0.020	0.030	0.040	0.050	0.060	0.100	0.200
MESH EQUIVALENT	60	22	22	16	13	11	8	3.5
MICRONS	250	500	750	1000	1250	1500	2500	500
MODEL • FLOW RATE →	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
RDS 612 to 624	10-15	15-27	20-38	25-50	30-65	*	*	*
RDS 1212 to 1248	30-120	45-155	70-180	85-200	65-240	*	*	*
RDS 2512 to 2548	160-610	270-1060	370-1375	465-1740	530-1885	550-2210	1330-2300	*
RDS 2560 to 2584	745-1120	1250-1815	1600-2430	1990-2915	2300-3440	2640-3970	2900-4500	*
RDS 3612 to 3636	250-735	400-1360	670-1740	735-2260	820-2510	965-2790	1110-3000	*
RDS 3648 to 3672	1300-2000	2415-3610	3010-4400	4600-5670	4980-6115	5250-7000	5290-8690	*
RDS 36120	3100	5500	7125	8200	9400	10,500	11,400	*

Sanitizing and Wash-Up Hoses & Nozzles

Lonn Sanitizing Nozzles

DESCRIPTION	PART#
straight	40097
45 Degree	40096
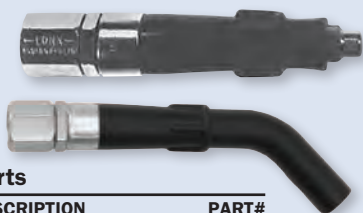
Parts

DESCRIPTION	PART#
Spring Only	40084
Throw Pin Assy.	40085

Sanitizing Hoses
¼" IPT x GHT

LENGTH	PART#	LENGTH	PART#
4'	40103	12'	40100
5'	40104	16'	40115
6'	40098	20'	40102
8'	40099	22'	40116

All Hose Washer Gaskets use Part#40022

Udder Hoses
¼" IPT x ¼" IPT

LENGTH	PART#
4'	40117
5'	40118
6'	40119
8'	40120
12'	40121

Male & Female GHT Wash-Up Hoses

⅜" Hose

LENGTH	PART#
6'	40023
10'	40024
15'	40025
20'	40026
25'	40027
30'	40028

½" Hose

LENGTH	PART#
6'	40032
10'	40036
15'	40038
20'	40041
25'	40042
30'	40043

Sani-sure Teat Dipper
Part# 44198 –20/case
- No splashing or spilling
- Chemical resistant polymer

RJB™ Side Dipper Dip Cup

COLOR	PART#
Blue	44191
Clear	44191-1
Green	44191-2
Yellow	44191-3
Red	44191-4
Bottle Only	44191-5

RJB™ Side Dipper Foaming Dip Cup (Clear) Part# 44192

RJB™ Splash Guard Teat Guide Part# 44193-5

RJB™ Top Dipper Dip Cup

COLOR	PART#
Blue	44193
Clear	44193-1
Green	44193-2
Yellow	44193-3
Red	44193-4
Bottle Only	44191-5

RJB™ Top Dipper Foaming Dip Cup (Clear) Part# 44195

Schlueter Dip Cup Part# 44190

201 Hose Rack Part# 21604

SR Hose Rack Part# 21602

Nylon Water Nozzle Part# 40143 Model 474-C 12/cs.

Safgard™ Water Nozzle Part# 40140 12/cs.

Threaded Front Insulated Nozzle Part# 40142 571TFARM 12/cs.

Jet Spray Hose Nozzle
Shuts off with a twist

DESCRIPTION	PART#
1" Connection	40144

AccuPro

AccuPro proportioners take chemical management to a whole new level. In addition to providing an easy, economical way to dilute concentrated chemicals at a push of a button, the patented AccuPro Pressure Regulation Technology delivers dilution accuracy regardless of fluctuations in water pressure

AccuPro is the ideal dispenser for concentrated teat dips and other chemicals used on your farm. AccuPro is an ideal dispenser for teat cups and buckets.

Features:
- Molded construction - withstands most concentrated teat dips including iodine
- Easy water connection
- No air needed / No electricity needed
- Built-in flushable filter
- Dilution range 128:1 Max / 2.5:1 Min

AccuPro 1 GPM
Part# 40345

TeatBrite

TeatBrite dispensers offer you the flexibility to dispense RTU chemistry for any number of dairy farm applications. Using air operated diaphragm pump technology, TeatBrite systems can be mounted hundreds of feet away and are capable of delivering teat dips to parlors, hoof health chemistry to hoof baths, or any other important dispensing needs.

Features:
- Small profile wall mount
- Quick disconnect air fitting pre-installed
- Proven Air Operated Diaphragm Pumps

TeatBrite Single Pump
Part# 40350

TeatBrite 2 Pump, Pre/Post
Part# 40351

TeatBrite 2 Pump (Single product complete with redudant back-up pump)
Part# 40352

ParlorMaster

The ParlorMaster is designed to provide the flexibility to dispense properly diluted chemicals at the dilution rate that works best for your application. Unit contains a 3/4 gallon reservoir holding tank to provide on-demand dispensing without wasting product. The ParlorMaster can be used to spray, foam, and fill teat dip containers in your parlor. The ParlorMaster uses the Hydro's patented venturi technology to accurately dilute concentrated chemicals.

Features:
- Durable molded construction
- Wide range of dilutions
- Constructed with chemically compatible materials
- Approximate dilution range 640:1 Max/3:1 Min

ParlorMaster 1 GPM – Part# 40355

Part# 40340
Model FM 898

FoamMaster

FoamMaster power cleaning systems automatically dilutes concentrated cleaning products with water and use compressed air to generate a thick, rich, clinging foam.

There is no more effective method for cleaning large areas like rotary and parallel parlors than foam cleaning. This method helps avoid damage done to surfaces by high pressure equipment and reduces labor time incurred by traditional cleaning methods.

This method allows you to control air and water flow to deliver the foam thickness you need. The standard unit comes complete with 25 feet of heavy duty discharge hose and brass foam/rinse nozzle with on/off valve to easily reach your intended cleaning areas

Built-in check valve prevents compressed air from forcing its way into the water line, allowing increased air flow for better cleaning.

Foammaster Models

MODEL	OUTPUT GPM	MAX DILUTION	MIN DILUTION	PART#
898	2.4	500:1	10:1	40340
899	1.2	240:1	5:1	40339
865	3.5	128:1	5:1	40338

- Note: Model 865 drum mounted, others wall mounted
- Model 865 includes PVC discharge hose and handle, seperate hose req for rinsing
- Models 898 and 899 come complete with 25 ft. heavy-duty discharge hose and brass foam/rinse nozzle with on/off valve

-Model FM 865 Drum Mounted Single product system. 3.5 GPM.
Part # 40338
-Model FM 899 Power Cleaning Sys, wall mount, Dual product. 1.2 GPM
Part # 40339
-Model FM 898 Power cleaning system, wall mount, Single product. 2.4 GPM
Part # 40340

Dosmatic MInidos® 1% and Superdos® 20 2.5% Injector
Minidos 1% – ¾" NPT
Part# 40160
Superdos 2.5% – 1' NPT
Part# 40158
Proportioner for Udderwash And Backflush Solutions
- Volumetric design
- Hydraulic operation
- Non-electric installation
- MINIDOS adjusts from 0.2 - 1.0% at flow rate fron .03 to 12 GPM
- SUPERDOS adjusts from 0.2 - 2.5% at flow rate fron .04 to 20 GPM
- Fits all standard solution containers
- Easy hookup on your water supply

Teat Sprayer
Part# 48975
Top Spray #48975-1
22 oz. bottle #48975-2
Fillable hand fogger. Special adjustable nozzle for fly spray, solvents and cleaners.

San Spray™ Sanitizer Parts

DESCRIPTION	PART#
16 oz. Glass Bottle	40086
16 oz. Plastic bottle	40088
Hypalon gasket	40020
Swivel adapter for San Spray	40012

Lonn "Alspray" Fog Gun
Unit w/ Hose
Part# 40110

6 ft.
Hose Only
Part# 40111

Unit with Bottle
Part# 40112

Bottle Only
Part# 40122

Lonn Water Saver Nozzles

MODEL & PART#	A	B	L	M	R	S
Unit Complete	40209	40208	40210	40211	40212	40213
Ends Only	40216	40217	40218	40219	40220	40221

No. 3 PIN - Part# 40224

Indumag Vital Shower Adapter
An exclusive magnetic inductor designed for showers. Installs in minutes. (½" Unit)
Part# 42861

Indumag ¾" Coupling Unit
For larger applications including dairy stock tanks.
Part# 42862

Indumag Vital Funnel
Part# 42860

Imanter Super
Wide surface, rectangular permanent magnet providing high levels of magnetic energy.
Part# 42864

Mighty Spray Teat Sprayer Complete
w/SS Nozzle
Part# 44180

Complete Sprayer
w/Extended Nozzle
Part# 44182

Bottle Only
Part# 44180-2

- Long lance allows easy reach of all quarters
- Sprays up to cover teats effectively
- No wasted dip
- No contamination

Mighty Spray Screw-on Nozzle Only
Part# 44181

Extended Nozzle
Part# 44183

Part "C"
for Type "C"
Part# 40094

"G" Bottle
For Type "C"
Part# 40108

RJB Teat Dip Units

**Electric Power Unit 110 Volt
Part# 40270**

**Electric Power Unit 220 Volt
Part# 40271**
• Stainless steel box
• Pressure switch is preset for your convenience.
• Heavy duty pump assembly
• Bolts in place on wall or other convenient location.

40237

Parts for RJB™ Sprayer

RJB NO.	DESCRIPTION	PART#
10-51100	Coiled Hose (Top load drop w/ fittings)	40237
10-51300	Coiled Hose (Bottom load drop w/ fittings)	40237-2
10-51200	"T" Connector	40238
10-50900	Straight Connector	40239
10-50920	Connector Nuts (6/Pkg)	40240
10-16010	Flexible Tubing (25 ft)	40241
10-16000	Flexible Tubing (100 ft)	40242
10-11100	Plug for "T" fitting	40250
10-51000	Tube Support (6/Pkg)	40277

Micro Touch Teat Dip Pump

**Electric Power Unit 110 Volt
Part# 40272**

**Electric Power Unit 220 Volt
Part# 40273**
• Cost effective- no frills assembly
• Pressure switch is preset for your convenience
• Heavy duty pump assembly
• Bolts in place on wall or other convenient location

**RJB™ MT2 Teat Spray Gun
Part#40282**

**RJB™ MT2 Teat Spray Gun w/Drop
Part#40282-1**

**RJB™ MT2 Teat Spray Gun Nozzle Only
Part#40282-2**

Top Load Powr Dippers & Sprayers

**Top Load Powr Dipper w/6" wand
Part#40274**

**Top Load Powr Dipper w/10" wand
Part#40274-1**

**Top Load Powr Dipper
w/6" Wand & Coil Drop
Part#40275**

**Top Load Powr Dipper
w/10" Wand & Coil Drop
Part#40275-1**

**Top Load Powr Sprayer w/6" Wand
Part#40281**

**Top Load Powr Sprayer w/10" Wand
Part#40281-3**

**Top Load Powr Sprayer
w/6" Wand & Coil Drop
Part#40280**

**Top Load Powr Sprayer
w/10" Wand & Coil Drop
Part#40280-1**

Wands for Powr Sprayer
6" - **Part# 40281-1**
10" - **Part# 40281-2**

Bottom Load Powr Dippers & Sprayers

**Bottom Load Powr Dipper w/6" Wand
Part#40276**

**Bottom Load Powr Dipper w/10" Wand
Part#40276-1**

**Bottom Load Powr Dipper
w/6" Wand & Coil Drop
Part#40278**

**Bottom Load Powr Dipper
w/10" Wand & Coil Drop
Part#40278-1**

**Bottom Load Powr Sprayer w/6" Wand
Part#40279**

**Bottom Load Powr Sprayer w/10" Wand
Part#40279-1**

**Bottom Load Powr Sprayer
w/6" Wand & Coil Drop
Part#40279-2**

**Bottom Load Powr Sprayer
w/10" Wand & Coil Drop
Part#40279-3**

Wands for Powr Dipper
6" - **Part# 40274-2**
10" - **Part# 40274-3**

AMBIC Vacuum Teat Spray Systems

AMBIC™ Classic Vacuum Teat Spray System

**ATS400 Spray System
With 3 Drop Guns
Classic with adjustable nozzle
Part#40230**

**ATS350 Spray System
With 3 Drop Guns
Classic with fixed nozzle
Part#40230-1**

- Turn off and on with vacuum system
- Expandable up to 20 guns
- Use 2 guns at a time with no drop in pressure
- Unit is complete with power unit, 3 guns, all necessary coils, ties, nuts, and 40 ft. of tubing
- Automatic pressure regulation for constant chemical supply
- Safety dump valve feature depressurizes and backflushes sediment buildup

AMBIC™ Jetstream Expandable Vacuum Teat Spray System

**AJS2000 Jetstream System
with 3 Button Style Guns
Part#40228**

**AJS1000 Jetstream System
with 3 Classic Adj. Nozzle Guns
Part#40229**

**AJS1500 Jetstream System
with 3 Classic Fixed Nozzle Guns
Part#40229-1**

- Turn off and on with vacuum system
- Expandable up to 50 guns.
- Unit complete includes: 3 guns, drops, & 40 ft. tubing
- High volume variable output diaphragm pump

Parts for AMBIC™ Teat Spray System

ATS NO.	DESCRIPTION	PART#
ATS401	Power unit only	40231
ATS402-C	Blue Teat spray gun only w/ adj. nozzle	40232
ATS402-EC	Blue Teat spray gun w/ extended lance	40233
ATS414-C	Drop kit standard lance w/ adj. nozzle	40247
ATS414-EC	Drop kit w/ extended lance w/ adj. nozzle	40248
ATS449	Standard lance assembly	40234
ATS404-E	Extended lance assembly	40235
ATS415	Adjustable nozzle tip only	40249
ATS439	Gun trigger	40253
ATS405	Control valve assembly	40236
ATS406	Retract coil-blue	40237-1
ATS407	"T" connector	49238-1
ATS408	Straight connector	40239-1
ATS425	Directional valve	40258
ATS426	Diaphragm pump complete	40257
ATS436	Pressure reservoir bottle	40256

**Classic
ATS402-C**

**Classic Fixed
ATS502**

**Button
AJS2402**

**Button
AJS2460**

ATS439

**AJS2450
AJS2415**

ATS449

ATS504

ATS NO.	DESCRIPTION	PART#
ATS502	Blue classic gun w/ fixed nozzle	40232-2
ATS514	Drop kit for blue classic gun w/ fixed nozzle	40247-2
AJS2402	Blue Jetstream gun only w/ fixed nozzle	40232-1
AJS2460	Blue Jetstream gun only w/ext. lance & adj. tip	40233-1
AJS2414	Blue Jetstream extension kit w/std. lance	40247-1
AJS2414E	Blue Jetstream extension kit w/ext. lance	40248-1
AJS2450	Blue Std. plastic lance w/ nozzle for Jetstream	40234-1
AJS2415	Fixed tip w/ O-ring for above	40249-1
ATS504	Blue Extended plastic lance for Jetstream	40235-1

Parts for AMBIC™ Teat Spray System

ATS NO.	DESCRIPTION	PART#
AJS2001	Jetstream Power Unit only	40228-1
AJS2004	Jetstream Diaphram Pump	40228-2
AJS2006	Jetstream Relief Valve only	40228-3
AJS2008	Jetstream Pipe Manifold assembly	40228-4
AJS2012	Jetstream Directional Valve Manifold assembly	40228-5
AJS2014	Jetstream Low Pressure Relief Module - 40 psi	40228-6
AJS2016	Jetstream Std. Press Relief Module - 50 psi	40228-7
AJS2014	Jetstream High Pressure Relief Module - 60 psi	40228-8

**Spraymaster Automatic Teat Sprayer.
Part# 40285**
- Convenient on/ off switch
- Stainless Steel enclosure
- Self priming 110volt pump assembly

DESCRIPTION	PART#
Pressure switch	40285-1
Pump/motor	40285-2
Pump check valve	40285-3
Cam bearing/diaphragm kit	40285-4
Foot valve/intake tube assy.	40285-5

JWB Drop Hoses

DESCRIPTION	PART#
JWB Drop hose for RJB™	40310
¼" x ¼" x ¼" Poly-barbed tee	40310-1
¼" Hose clamp	40310-2
¼" x ¼" Poly straight barbed connector	40310-3
¼" x 90 Poly barbed elbow	40310-5

Safgard™ Towel Dispensers

**SS Fold
Towel Dispenser
Part# 40806**

**Yellow Micro Fiber Dairy Towel
13" × 13" × 21" - 28 gram
50/Bundle - Part# 44693-1
5 - Bundles/Case - Part# 44693**

**Blue Micro Fiber Dairy Towel
13" × 13" × 24½" - 34 gram
50/Bundle - Part# 44694-1
5 - Bundles/Case - Part# 44694**

• Last 6 times longer than cotton blend towels
• Blue can be washed up to 600 times
• Yellow can be washed up to 400 times
• 70% Polyester (scrubbing fibers)
• 30% Polyamide (nylon byproduct for absorbing)
• Softer and more durable than cotton

Recommended Towel Care
• Wash and Dry Towels at 160 degrees F
• Never use bleach or fabric softener
• Do not iron
• Do not wash with other fabric types

**Micro Fiber Dairy Wash Cloths
Part# 44690**
Long lasting super soft and absorbent these deluxe cloths can be washed over and over again and still be like new. (Approx. 600/case)

Micro Fiber Towels
Able to Purchase by the Case

DESCRIPTION	PART#
Blue 12" X 12" Micro Fiber Towels 34 Grams 250 Towels/Case	40812
Green 12" X 12" Micro Fiber Towels 30 Grams 240 Towels/Case	40813
Yellow 12" X 12" Micro Fiber Towels 30 Grams 240 Towels/Case	40814

White Terry Wash Cloths
Able to Purchase by the Case

DESCRIPTION	PART#
White Terry Wash Cloths 1041-067 12" X 12" 16 oz. 600 Towels/Case	40815
White Terry Wash Cloths 1041-086 12" X 12" 23 oz. 420 Towels/Case	40816

**Micro Spun Udder Cloth White
Part# 40811**
NWM-M116-W 11" X 16" 300/Case

NPS Paper Towels

**Prepaid Freight on 8 Pallets
Must Be Purchased In Pallet Increments**

#21600 White Towel
9" × 10" 150/pkg
Embossed single-fold
replaces Bay West #39
Part# 40834
2,400 Towels/case
70 Cases/ Pallet

#21168 White Towel
9" × 10" 168/box
Single HD replaces
Bay West #43
Part# 40835
2,016 Towels/case
60 Cases/ Pallet

**#21950
Brown Towel**
9" × 10" 250/pkg
Replaces Bay West #470
Part# 40837
4,000 Towels/case
70 Cases/ Pallet

**#21900
Brown Towel**
9" × 10" 250/pkg
Part# 40836
4,000 Towels/case
60 Cases/ Pallet

#21800 Blue Towel
9¼" × 10¼" 125/pkg
Two ply replaces Bay West #530
Part# 40838
2,000 Towels/case
70 Cases/ Pallet

Baywest Towels

Pallet Quantities Only

DESCRIPTION	PART#
Bay West 25A Natural White Towels 2250/Case 60/Pallet	40840
Bay West 34A Natural Pre-Dip Towels 2680/Case 72/Pallet	40841
Bay West 47010 Natural Brown Towels 4000/Case 60/Pallet	40842

**Schlueter Sani-Care
Pre-Milking Teat Wipes**

Bucket
800 Wipes / Bucket
Sold Per Bucket (Min. Order 2)
Part# 40820

Refill
800 / Refill
Sold Per Refill (Min. Order 2)
Part# 40821

A single service wipe saturated with a mild, non-irritating germicidal liquid. The active ingredients have been tested and proven effective in controlling organisms that may cause mastitis. Separate wipe required for each cow.

• Skin emollient tones & conditions teats
• Large (8" × 10") Towel
• Active Ingredients:
   - Chlorhexidine gluconate .5%
   - Quaternary ammonium chlorides
   - Lanolin
   - Dimethyl carbinol

Safgard™ Green Clean

Energy Saving Warm Water Wash

As a post- wash rinsing agent or final rinse, Green Clean keeps working until the next milking, keeping your pipeline bacteria free. Three different groups of enzymes consume and digest all organic compounds (bacteria) they contact, turning it into sugars, starches, and fatty acids. This now harmless material is flushed from the system prior to milking. In many systems Green Clean alone will keep your pipeline perfectly clean, with no dangerous & costly chemicals to handle, dispose of, or damage the environment. Wash your equipment using the following method for best results:

- Rinse with 120 F. degree water
- Wash/Drain with Green Clean @ 130 F.
- Sanitize with chlorine or iodine

5 lb. Part# 47620
10lb. Part# 47621

Gain S.V.P.
(4/1 gallon)
Part# 47584
Brush wash detergent removes all exterior soils and leaves stainless steel spot free with a cold water rinse.

Pink Lotion
Hand Cleanser

SIZE	PART#
4/1 gal.	47614
12/1 qts.	47615

Solution Jug Rack
Plastic Coated for No Rusting

DESCRIPTION	PART#
Blue	47780
Orange	47781
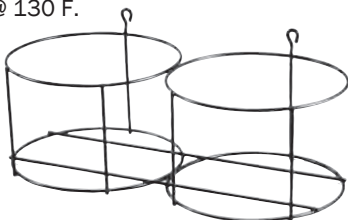
Cellulose Sponges
Part# 44692
#113 Twin Pak - 8" × 8" × ½"
2/pkg. - 24 pkgs./case
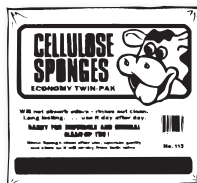
Safgard™ Chemicals

Contact the sales department for complete details on Safgard™ chemical drop ship and private labelling programs. A complete and comprehensive line of dairy cleaners and sanitizers, as well as pre and post teat dips are available.

1 oz. Dispenser
Part# 48155
For gallon jugs
One ounce liquid
for one full stroke
of shaft

M45 Pail Pump
Part# 48158
- Nickel chrome plated
- Eliminates heavy lifting
- Dispenses 4 oz. increments
- Fits 5 and 6 gallon pails

Standard MR50
Drum Pump
Part# 48156
5-15-55 gallon pump

Beckson Drum Pump
DP-12-SPS (12" long)
Part# 48157

DP-18-SPS (18" long)
With Safety Lock
Part# 48160

MP-36486 (36" long)
Part# 48161

DP-36-SPS (36" long)
Dairy Chemical Pump
Part# 48163

Beckson Drum Wrench
Part# 48162
- Open Plastic Pails with Ease
- Will Not Damage Lid
- Permits Secure Resealing

Drum Wrench
Part# 47699
American Flange

¾" Spigot
for 5 Gallon Drum
Part# 47698

**Ultra Tough
1 Gallon
Polyethylene
Bucket
Part# 44048**

Type 304 - Stainless Steel Pails

1009

1116

4 Sizes - Seamless Construction - Mirror Polish Outside

MFR REF	3/CASE DESCRIPTION	CS. WT.	PART#
1009	Plain pail, 9 qt.	9¾	46496
1013	Plain pail, 13 qt.	12¾	46500
1113	Pail with tilting handle, 13 qt.	15½	46504
1016	Plain pail, 16 qt.	15¼	46501
1116	Pail with tilting handle, 16 qt.	16½	46505
1020	Plain pail, 20 qt.	22¼	46502
1120	Pail with tilting handle, 20 qt.	26¾	46506
1513	Cover for 13 qt. pail	4½	46513
1516	Cover for 16 qt. pail	5	46514
1520	Cover for 20 qt. pail	6½	46515

10 Quart Poly Pail
Packed 12 per case

COLOR	PART#
Red	44030
Yellow	44031
Black	44032
White	44033
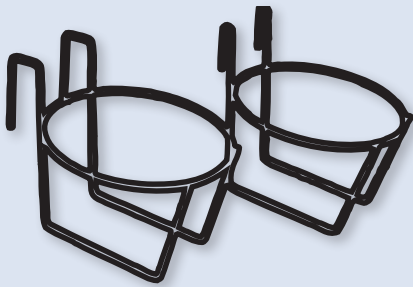
¼" Rod Single Calf Feed Pail Holders
Inside diameter of holder is 9¾" and will accommodate most any pail.

#700 Pail Holder
For 2 × 4.
Part# 44475

#705 Pail Holder
For wire mesh fence.
Part# 44476

SS "Tote Pail"
9⅜" Dia. × 16⅜" H

DESCRIPTION	PART#
20 qt. - #120	46510

Cover only   46512
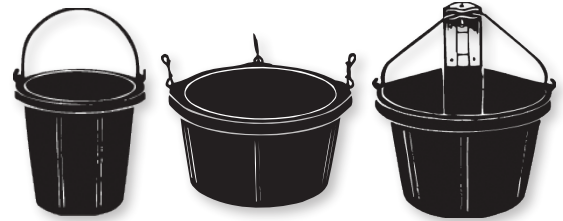
Fortex Buckets, Pails and Tubs
Reinforced, molded rubber-fiber feed and utility tubs & pails, ideal for livestock needs.

ITEM	TOP DIA.	HT.	PACKED	PART#
N400-8	10¾"	8½"	12	44071
B500-20	14"	11"	6	44061
CR750-3	17"	8½"	6	44075

Strip Cups

DESCRIPTION	PART#
Cup with black top	44080
Black top only	44081
Cup only	44084

Heavy Duty Double Pail Holder
PH 650 - Part# 44479
Screws onto wall - ¼" wire rod - holds two one gallon pails or two eight quart pails

SS Milk Carrying Cans with Lids

DESCRIPTION	PART#
2 Quart	46520
5 Quart	46521
10 Quart	46522

Aluminum Milk Pails

SIZE	ITEM	PART#
4 qt.	2834-D	46527

(4 per case)

Milk Can Carts

UNIT	DESCRIPTION	PART#
75	10 gal. can	21800
75A	8 gal. can	21801
75D	2 × 10 gal. cans	21802
75AD	2 × 8 gal. cans	21803
All	8" Wheel	25525

10 Gal. SS Milk Can w/Mushroom Cover Part# 48532

11 Gal., 24" × 13" SS Milk Can w/Toggle Style Clamp & Cover Part# 48533
Silicone gasket for lid Part# 48533-1

Stainless Steel Milk Can - Type 304

40 Quart Milk Can with Cover Part# 48530

Cover Only Part# 48531

18 Gauge Sidewall
16 Gauge Bottom

Stainless Steel Baskets

UNIT	DIMENSIONS	PART#
Mod 1	19" x 15" x 3.5"	31290
Mod 5	12" x 6" x 10"	31310
Mod 6	22" x 10.5" x 10"	31303
Mod 7	22" x 22" x 18"	31312
*COP and Wash Tank Usage		

Model 1   **Model 2**   **Model 6**   **Model 7**

Dairy Brushes

Utility 8" Gong

DESCRIPTION	PART#
Polyblock with Tynex nylon	40933
Plastic with Tynex nylon	40960
Tan foam block w/ polyester	40940
Tan foam block w/ polypropylene	40950

Utility 20" Gong

DESCRIPTION	PART#
Polyblock with yellow plastic	41010
Polyblock with Tynex nylon	41012
Tan foam block w/ polypropylene	41015

VALVE BRUSHES

ITEM	SIZE	PART#
RB35	1½" × 20"	41201

ITEM	SIZE	PART#
RB36	1½" × 17"	41202

ITEM	SIZE	PART#
RB31	1" × 17"	41205
RB31	1½" × 17"	41206
RB31	2" × 17"	41207
RB31	2½" × 17"	41208
RB31	3" × 17"	41209

Pipe Brush Rods
Extra heavy, flexible wire handle.

SIZE	3 FT. #
Handle	41247

96-80 Pipe Brushes

SIZE	PART#
1"	41270
1½"	41271
2"	41272
2½"	41274
3"	41273

Hose Brushes

SIZE	PART#
½"	41331
9/16"	41332
5/8"	41333

Brush Burrs

SIZE	PART#
3/8"	41340
7/16"	41341
½"	41342
9/16"	41343
11/16"	41345

Pull-Thru Cable
for hose brush

ITEM	SIZE	PART#
RB75	8'4" cable	41323
RB75	10' cable	41324

Big Chief Tank Brushes
Brushes sold with 42" handle standard

ITEM	SIZE	DESCRIPTION	PART#
1085	4½" × 8½"	Plastic w/ Tynex	41121
1085	Brush only		41121-1
1095	5½" × 9"	Plastic w/ Tynex	41122
1095	Brush only		41122-1
1183	4½" × 8½"	Plastic w/ Nylon	41123
1183	Brush Only		41123-1
1193	5½" × 9"	Plastic/Poly	41141
1193	Brush only		41141-1
1199	6" × 10½"	Plastic/Poly	41142
1199	Brush only		41142-1

Tri Level Scrub Brush
Tan Foam Block w/ Polypropylene
Part# 41110

Big Chief Handles
(lacquered wood)

DESCRIPTION	PART#
No. 12 42"	41127
No. 13 54"	41128
No. 14 60"	41129

Lumathread Handles

SIZE	PART#
4'	41155
5'	41156
6'	41158

Fiberglass Handles

SIZE	PART#
60"	41156-1
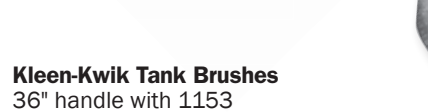
Kleen-Kwik Tank Brushes
36" handle with 1153
42" handle with 1060 and 1163

ITEM	DESCRIPTION	PART#
1060	7½" plastic with spongy Tynex	41092
1060	Brush only	41092-1
1153	6½" plastic with nylon Tynex	41095
1153	Brush only	41095-1
1163	7½" plastic with nylon Tynex	41096
1163	Brush only	41096-1
1284	Green Exlon	41097

Kleen-Kwik Handles

ITEM	SIZE	PART#
No. 18	42"	41102
No. 18	60"	41103
No. 18	72"	41104
No. 21	42" Fiberglass	41101
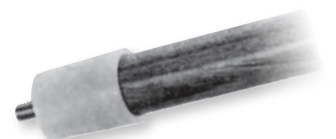
Dairy Brushes

Inflation Brushes
R.H. = Reinforced Aluminum Handle
V.P. = For Vacuum Pockets

ITEM	DESCRIPTION	PART#
RB3	Reg. Bore Tynex R.H.	41362
RB3VP	Reg. Bore Tynex R.H. V.P.	41363
RB5	Reg. Bore Tynex R.H. Burr End	41366
RB8	Narrow Bore V.P.	41367

Single Claw Brushes

8" BRUSH	PART#
¼"	41281
⅜"	41283
½"	41284
⅝"	41285
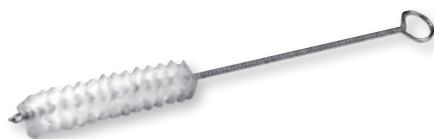
Double Claw Brushes

11" BRUSH	PART#
¼" × ¾"	41291
⅜" × ¾"	41292
⁷⁄₁₆" × ¾"	41293
½" × ¾"	41294
½" × 1"	41295
⅝" × 1"	41296

Calf Nursing Brush w/ Polyester
Part# 41290

Plastic Bristled Brooms
Moisture Resistant Barn Brooms

SIZE	ITEM	PART#
5" × 14"	RB950	41454
4" × 16"	RB964-Heavy	41445
5" × 16"	RB964-Heavy	41456
5" × 24"	RB986	41446

African Fibre Brooms
Digestable Fibre Brooms
for Feed Areas

SIZE	ITEM	PART#
5" × 16"	RB764-Heavy	41438

10" Truck Brush
Tan Foam Block w/ Polyester
Part# 41430

Barn Broom Handles
RB975 - **Part# 41449**

The Handle Saver
Part# 41150

Handle Braces
RB995 - **Part# 41462**

Bottle Brushes
Part# 41472
4"L × 2¼"D × 8" Handle
RB86WN

Part# 41473
10" Bottle Brush with Plastic Handle
(1 Quart)

Part# 41474
16" Multipurpose Brush w/ polyester
(1 Quart)

Swiss Pail Brush
RB455 Plastic/Tynex
Part# 41060

Swiss Pail Brush
90140 Tan Foam Block
With Polypropylene
Part# 41062

Outside Pipe Brush
Part# 41466
RB2100

Counter Brooms
Part# 41460
FC-258

Warehouse Broom
Part# 41434
881 Corn Broom

Milkhouse Broom
Part# 41431

6/case

Metal Cap Milkhose Broom

Safgard™ Black Rubber Dairy Tubing

- Straight cured (prevents coiling)
- Standard package one coil
- 54 Feet Long
- Superior quality tubing made specifically for dairy applications
- Ask about our drop-ship program for quantity discounts.
- Durable non-kink hose designed for commercial applications

SINGLE RUBBER TUBING				
I.D.	O.D.	WALL THICKNESS	SHIPPING WEIGHT	PART#
$9/32$"	$17/32$"	$1/8$"	6	11072
$1/2$"	$7/8$"	$3/16$"	14	11088
$9/16$"	$1\,1/32$"	$1/4$"	22	11093
$5/8$"	$1\,1/16$"	$7/32$"	20	11096
1"	$1\,3/8$"	$5/16$"	30	11098

DOUBLE RUBBER TUBING				
$1/4$"	$1/2$"	$1/8$"		
$1/4$"	$1/2$"	--	10	11148
$9/32$"	$17/32$"	$1/8$"		
$9/32$"	$17/32$"	--	12	11152

Silicone Transparent Milk & Vacuum Tubing

Sold in 100 ft. coils only

$9/32$" × $17/32$" Twin SILICONE TUBE
Part#45899

$9/16$" ID × $15/16$" OD SILICONE TUBE
Part# 45900

$5/8$" ID × 1" OD SILICONE TUBE
Part# 45901

$3/4$" ID × $1\,5/32$" OD SILICONE TUBE
Part#45898

$7/8$" ID × $1\,3/8$" OD SILICONE TUBE
Part#45897

- Completely Unaffected by Temperature
- Silicone tubing is as flexible at -20° as it is at +70°
- Can be used with vacuum or air pinch valves
- A must for good hose positioning!

Stainless Steel Hose Chutes

Continuous hinge with brass pin for long lasting operation.

WALL SIZE	MATERIAL	PART#
5" thru 9"	Stainless Steel	46125-S
7" thru 13"	Stainless Steel	46126-S

6″ × 6″ Wall hole required for all sizes.

Kuri Tec High Pressure Tubing

- Longitudinally reinforced to reduce elongation under pressure
- Crystal clear polyvinyl chloride
- Reinforced with spiraled polyester cords
- Self extinguishing
- Ozone and atmospheric resistant
- Chemical resistant
- Non-toxic compounds
- Glass smooth interior
- Temperature range 25° F (-4°C) to 150° (65°C)
- Non marking
- Lightweight

DESCRIPTION	PART#
$1/4$" × $7/16$"	45790
$5/16$" × $17/32$"	45791
$3/8$" × $9/32$"	45792
$1/2$" × $3/4$"	45793
$5/8$" × $57/64$"	45794
$3/4$" × $1\,1/32$"	45795
1" × $1\,5/16$"	45796
$1\,1/4$" × $1\,5/8$"	45797
$1\,1/2$" × $1\,15/16$"	45798

Transflow® Tubing

M-34R "Blue Line" Milk & Tank TruckTubing

- Clear, Flexible
- Meets 3-A and FDA standards
- Long life
- Easy to clean
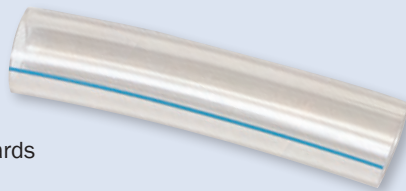
INCHES		WEIGHT/LBS.	PART#
I.D.	O.D.	100 ft.	
$7/16$"	$3/4$"	20	45902
$1/2$"	$13/16$"	22	45903
$9/16$"	$15/16$"	26	45905
$5/8$"	1"	29	45907
$3/4$"	$1\,5/32$"	38	45921
$7/8$"	$1\,3/8$"	54	45911
1"	$1\,1/2$"	70	45924
$1\,1/2$"	$2\,1/4$"	135	45914
2"	$2\,3/4$"	40 lb. - 20 ft.	45915
3"	4"	188 lb. - 20 ft.	45918

Vacuum Tubing

- Black with white stripe
- Clear with black stripe
- Outlasts rubber 5 to 1
- Flexible, Lightweight

SINGLE Tubing

INCHES		WGT. LBS.	PART#	
I.D.	O.D.	100 FT.	CLEAR	BLACK
$1/4$"	$1/2$"	9	46021	46001
$9/32$"	$17/32$"	9	46022	46002
$3/8$"	$5/8$"	13	46034	46004
$7/16$"	$11/16$"	14	46035	46005
$1/2$"	$3/4$"	17	46037	46007

TWIN Tubing

INCHES		WGT. LBS.	PART#	
I.D.	O.D.	100 FT.	CLEAR	BLACK
$1/4$"	$1/2$"	20	46061	46051
$9/32$"	$17/32$"	22	46062	46052
$3/8$"	$5/8$"	27	46063	46053

Schwartz Milk Filters

Tuffy Pipeline Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 6"	4199-06-35	100	10	12	49634
2¼" × 12"	4153-15-36	100	12	16	49600
2" × 24"	4179-06-37	100	6	16	49601
2¼" × 24"	4185-06-37	100	6	16	49602
2¾" × 23½"	4174-06-30	100	5	19	49626
3" × 23½"	4175-06-30	100	5	19	49605
6¹⁵⁄₁₆" × 21"	4191-06-14	50	10	28	49615
4⅞" × 33½"	4192-06-66	50	9	38	49616
4⅞" × 17"	4197-06-66	50	9	20	49617
4⅞" × 28"	4190-06-66	50	9	30	49760

Tuffy Pipeline Tubes

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 6½"	4201-06-35	100	10	12	49635
3⁵⁄₁₆" × 22¼"	4603-15-30	100	5	17	49759
4⅞" × 17"	4196-06-66	50	9	21	49609
4⅞" × 33½"	4643-06-66	50	9	38	49611
4⅞" × 36"	4605-06-66	50	9	42	49612

Filter Cell & Filter Cell Filters

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
5⅜"	4734-00-99	1	4	4	49658
8½" × 5½"	4729-06-29	100	4	10	49659

Schwartz End-O-Line Filters
Without Drawstring

BAG SIZE	CODE	MAT.	FILTERS PCS/BOX	FILTERS BOX/CASE	WT/CS	PART#
3¼" × 12"	4231-80-66	Flan.	50	9	10	49743
4¼" × 14"	4275-80-66	Flan.	50	9	15	49696

Sock

BAG SIZE	CODE	MAT.	FILTERS PCS/BOX	FILTERS BOX/CASE	WT/CS	PART#
3¼" × 14"	4225-06-66	Tuffy	50	9	10	49695

Filter Clean Discs

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
4⁹⁄₁₆"	4198-06-49	200	18	16	49632
6½" Banded	4103-14-45	100	36	28	49639
9½"	4717-14-30	100	5	12	49641
12½"	4115-14-35	100	10	25	49619
15"	4121-14-35	100	10	36	49620

Perfect Fit™ System

DESCRIPTION	PART#
12" Coil & Retainer Kit Tri-Clamp	49766
24" Coil & Retainer Kit Tri-Clamp	49761
24" Coil & Retainer Kit Surge™	49762
Retainer Replacement Only Tri-Clamp	49763
Retainer Replacement Only Surge™	49764
12" Perfect Fit Sock (9 boxes/100)	49767
24" Perfect Fit Sock (8 boxes/100)	49765

Ken-Ag™ Milk Filters

Discs

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
4⁹⁄₁₆" In-Line	D506	100	36	13	49210
2 1/4"	D104	300	10	2	49441
6"	D107	100	36	16	49212
6½"	D110	100	36	18	49403
8"	D115	100	18	20	49217
12½"	D531	100	10	23	49218
15"	D532	100	10	27	49219

Squares

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
6½"	D521	100	36	20	49221

Breakproof Tubes

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2³⁄₁₆" × 6½"	D541	100	12	8	49412
4⅞" × 17"	D547	50	10	18	49416
4⅞" × 33½"	D538	50	9	29	49417
4⅞" × 36"	D539	50	9	31	49418
6" × 26"	D534	50	10	31	49427
9⅛" × 33¼"	D545	50	6	29	49428

Breakproof Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2" × 24"	D576	100	6	13	49419
1 5/8" x 24"	D573	100	6		49421
2¼" × 12"	D579	100	12	16	49437
2¼" × 24"	D577	100	6	14	49404
3" × 23⅜"	D572	100	6	18	49420
3" × 26"	D574	100	6	20	49426
4⅞" × 17"	D546	50	10	17	49423
4⅞" × 29"	D575	50	9	26	49425
4⅞" × 33½"	D548	50	9	29	49422
4⅞" × 36"	D549	50	9	31	49424

Ultra-Flow Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 12"	D584	100	12	15	49466
2" × 24"	D588	100	6	13	49467
2¼" × 24"	D589	100	6	14	49468
2½" × 24"	D590	100	6	16	49469
2¾" × 23½"	D591	100	6	17	49470
3¼" × 22"	D522	100	10	30	49471

Low Pressure Socks

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
2¼" × 5½" L.P.	D550	100	12	7	49402
2¼" × 12" L.P.	D567	100	12	14	49429
2¼" × 24" L.P.	D568	100	12	26	49434

Pre-Filter (Defoaming)

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
3½" × 14"	D570	100	12	21	49435
5" × 20"	D569	100	12	40	49436

Filter Rolls, Strips, Air Filters Rolls

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
6½" × 200'	D606	1	6	16	49445
12" × 200'	D609	1	6	29	49447
18" × 200'	D610	1	6	42	49448

Strips

SIZES	CODE	PCS/BOX	BOXES/CS	WT/CS	PART#
12" × 15"	D666	100	10	28	49450
18" × 22"	D665	100	5	30	49451

Kick Stops

Hudson Water Control Valve
Part# 40180
- Rust proof construction
- Anti-siphon
- No float ball
- High volume 1" female connect.
- No lever arm
- Installs in minutes

Hudson Repair Parts

DESCRIPTION	PART#
Cap	40181
Continuous flow disc	40182
Retainer ring	40183
Insert	40184
Diaphragm w/ strainer	40185
Body	40186
Float w/ shutoff	40187
Rubber shutoff	40188
Screen	40189
Clip	40190
Repair kit*	40192

*Repair kit (Includes: screen, retainer ring, diaphragm, shut-off pad, and float

Kick Stop
Part# 44352

Spring Only
Part# 44351

Rubber Cap
Part# 44350
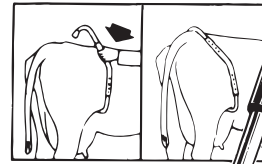
Cattle Magnets

Cow Magnet
Part# 44000
Round - ⅝" × 3"

Gray Max
Part# 44003
Flat - Length, 2¾" × Width, ¾"

Kow Kant Kick
Part# 44353

Kow Kant Kick

DESCRIPTION	PART#
Parts Kit	44354
Leg & Casting	44355
Bolt	44356
Nut ½"	44357
Threaded Bushing	44359
Threaded Handle	44361
Unthreaded Bushing	44363

La-co All-Weather Paint-Stik

DESCRIPTION	PART#
Orange Paint-Stik	44715
Yellow Paint-Stik	44716
Red Paint-Stik	44717
Green Paint-Stik	44719
Black Paint-Stik	44720
White Paint-Stik	44721

Sold in boxes of 12 only.
Metal holders available.

Sho-Me Ankle Id
Special 10/pkg.
1½" wide × 12" long
Tough nylon hook and loop band

COLOR	PART#
Red	44727
Orange	44728
Yellow	44729
Green	44730
Blue	44731

Use Sho-Me I.D.'s to classify your herd quickly and easily.

Super Mark Pen
Part# 76514

Neck Tag Cord
¼" x 45" Nylon - white
Part# 76330

1" Nylon Neckstrap
1" Nylon with SS Hardware - blue
Part# 80018

Neck Tag Cord "V" Fastener
for ¼" Neck cord
Part# 76340

Duflex Applicator
Part# 76170
Extra Pin
Part# 76180

Push-Thru Applicator
For Tuff-Flex Ear Tags - All Sizes
Part# 76110

Saf-T-Tagger
Part# 76130

White Marking Paint
Part# 76213
2 oz. will mark about 100 tags

Dairy Association™ Products

Bag Balm Ointment
Helps Fast Healing!
For ALL domestic animals: cows, horses, sheep, dogs and cats. Medicated Bag Balm Ointment helps fast healing of small injuries, cuts, chapping, sunburn, massage of caked bag. Stays on.

DESCRIPTION	QTY.	PART#
4½ lb. pail	6/case	47501

Sold in case lots only.

**Schlueter's
Sani-Care Udder Cream**

PRODUCT	SIZE	CASE	PART#
Udder Cream	12 oz.	12	48125
Udder Cream	28 oz.	12	48126
Udder Cream	4.5 lb.	6	48127

Dr. Naylors™ Products

Teat Dilators
Part# 47525 - 6 cans of 40/case
Therapy for sore, scabbed or bruised teats.

Udder Balm
Part# 47526 - 9 oz. tin - 6/case
Part# 47527 - 36 oz. pail - 12/case

Blue-Kote
4 oz. Dauber Bottle
12 bottles/case
Part# 47528

5 oz. Aerosol Spray
6 cans/case
Part# 47529

Red-Kote
4 oz. Dauber Bottle
12 bottles/case
Part# 47530

5 oz. Aerosol Spray
6 cans/case
Part# 47531

Safgard™ Lab Water Heater

Safgard™ Lab Water Heater
Useful 1-gallon stainless steel water heater for lab use. Automatic temperature control with range from 60° to 170°F. Red light indicates when heater is on. Complete with cover, rubber tubing, clamp, and glass tip. 200W. 120V.

DESCRIPTION	PART#
Safgard Lab Water Heater	32830

Safgard™ Lab Water Heater Parts

DESCRIPTION	PART#
Thermostat	32832
Valve and Float	32833
Glass Buret Tip	32835
Amber Latex Tubing 24" Long	32836
Pinch Off	32838
Plastic Feet	32842

Speed King® Egg Candler
Part# 50001
• Green Filtered light (Removable filter)
• White light (Filter removed)
• Prefocused
• Hi-Low Beam Switch

DESCRIPTION	PART#
Green filter lens	50016
Switch only for 32A	50018
Bulb only for 32A	50021
New LED bulb	50014

**KenAg™ Animal
Health Products**

PRODUCT	SIZE	CODE NO.	UNITS/ BOX	CASE	Part#
Teat Dilators	Box	D841	25	12	48134
Practical Cotton	1 lb. Roll	2287	1	25	48105

**Fogmaster 6208 Tri-Jet Fogger
Part# 48940**
The Tri-Jet Fogger is a quality, portable fogger that offers adjustable output for efficient coverage of large areas. Adjustable output from ⅓ to max. output (approx. 5 gallons per hour), by turning control knob. Both oil and water-base emulsions are dispersed. The Tri-Jet fogging head adjusts to move fog direction from 27˚ downward to 40˚ upward.

**Hurricane Portable Aerosol Fogger
Part# 48935**
This lightweight, portable fogger is engineered for use with water-based or oil-based insecticides. Three precision nozzles insure greater output (up to 5 gallon/hour) to provide an effective tumbling and rolling fog. Particle size averages 20 microns. Body is made of high density polyethylene, chemically resistant material.
Dimensions: 13"L × 8"W × 14"H.

Electric Fly Killer Parts

DESCRIPTION	PART#
40 watt "U" bulb	48393
Ballast for Ban-A-Fly	48394
Transformer	48411

ProZAP™ Fly Control

MFR.#	DESCRIPTION	PART#
1453510	LD44Z 20 oz. Pyrethrin 6 bombs/case	48135
1450010	LD44Z 25 oz. Pyrethrin 6 bombs/case	48136
0690010	25 oz. Prozap DyFly 6 bombs/case	48141
1002520	Prozap Screw worm ear tick aerosol 12-12 oz. bombs/case	48129
1087010	4 × 1 Gallon RTU VIP Spray .025 Pyr - .5% DDVP .25 PBO	48130
1086010	2 × 2½ Gallon RTU VIP Spray .025 Pyr - .5% DDVP .25 PBO	48128
1147010	Beef and Dairy Spray - 1% Vapona (4 × 1 gal.)	48116
1146010	Beef and Dairy Spray - 1% Vapona (2 × 2½ gal.)	48117
1517010	Prozap Insectrin 1% Pour on Xtra (4 × 1 gal.)	48142
1516010	Prozap Insectrin 1% Pour on Xtra (2 × 2½ gal.)	48143
0966010	Prozap Backrubber & Pour on Xtra (2 × 2½ gal.)	48144
1037510	Prozap Insectrin X Concentrate (6 × 1 qt.)	48145

48135

48141

48129

48130

48117

48143

48144

48145

Round the Barn Fly Control - Flystring
1,000 Foot Fly Tape
Mount "fly string" on the ceiling above cattle. For best results, use two units per row of cattle (4 strings per row). If barn length is greater than 65 feet, use two units. To load simply tie twine to string end and pull back through tackle and ceiling hooks to the take-up roller. Then wind carefully until "Flystring" reaches the empty unit

**Hardware only
Part# 48904**

**Tape Roll only
Part# 48905**
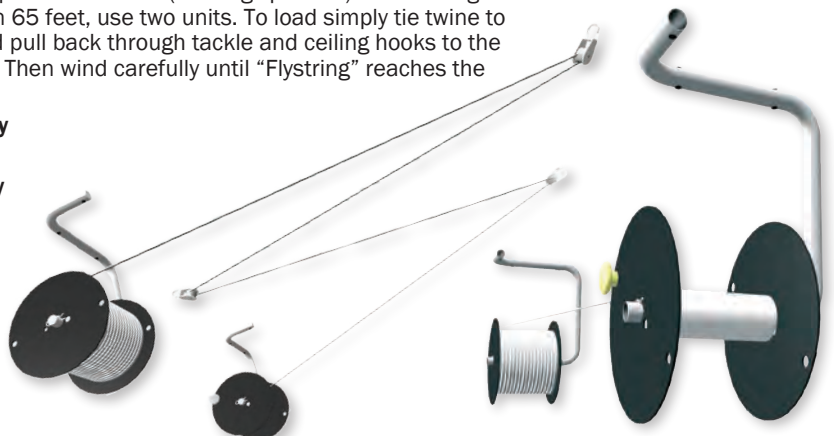
Parmak Electric Fencers

Range Master
(Model RM-1)
Part# 44489
Digital performance meter shows voltage on fence . Accurate within 100 volts. Ultra-High visible, multi-colored LED lights show condition of fence. Audible and visible Shut Down Alarm sounds when fence charger is not functioning properly. Low Impedance. Over 12.5 joules of shock output power to control livestock or predators. Charges over 100 miles of fence.

Super Energizer
(Model S.E. 5)
110-20-V. AC Operation
Part# 44483
Low impedance designed specifically for large pastures-- single or multi-wire high tensile fences. Shocks through wet weeds and brush. For indoor installation. Charges over 50 miles of fence.

Maxi-Power Mark 8
(Model Mark 6)
110-20-V. AC Operation
Part# 44487
Low impedance for medium to large pastures--single or multi-wire high tensile fences. Shocks through wet weeds and brush. For indoor installation. Charges up to 30 miles of fence.

Fieldmaster
(M odel FM 3)
110-20-V. AC Operation
Part# 44484
All-new low impedance model for small to medium pastures. Shocks through wet weeds and brush. Built-in operational light. For indoor installation. Charges up to 15 miles of fence.

Deluxe Field
(Model DF-L1)
6-V. Battery Operated
Part# 44485
World's largest selling battery operated electric fencer. 100% solid state. Fully weatherproofed, portable outdoor model. Case houses unit and 6-volt dry cell. Uses any type 6-volt battery. Charges up to 25 miles of fence.

Solar Pak Low Impedence
(Model DF-SP-LI) 6-V. Solar/Battery Operated
Part# 44488
Outdoor model. Will operate for 21 days in total darkness.Charges up to 25 miles of fence.

Magnum 12 U.O.
(Model MAG.12 U.O.) 12-V. Battery Operated
Part# 44481
12-volt advanced solid state circuitry. Equipped with performance meter that shows condition of fence. Low impedance-- for livestock or predator control--medium to large pastures. Shocks through wet weeds and brush. Weatherproof, portable outdoor model. Charges up to 30 miles of fence. Complete with battery clamps.

Magnum 12 Solar-Pak
(Model MAG.12-SP) 12-V. Battery Operated
Part# 44482
Low impedance for maximum power, longer life, no operating costs. Solar-Pak has all the great Magnum 12 features plus solar power. Complete with sealed 12-volt gel battery. Weatherproof, portable outdoor model. Charges up to 30 miles of fence.

S-I Fencer
Part# 44486

Circuit Testers & Shocker Parts

MFR.	DESCRIPTION	PART#
1360	Five-O-Lite Tester	44508
460	Electric Fence Tester	44509
482-3	3-Prong Timer	44510
483-4	4-Prong Timer	44511
1624	Fused Plug	44513

Safgard™ Cow Trainers

CT NO. 1N
Part#44375
29 points
30/cs.
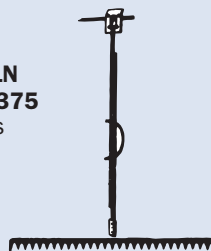
CT NO. 2
Part#44371
Smooth
No points
30/cs.
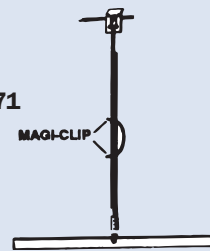
MAGI-CLIP

CT NO. 3
Part#44372
Notched bar
30/cs.

MAGI-CLIP

CT NO. 4
Part#44373
Flexible
30/cs.

Insulated Hot Line to Trainer Cross Bar

EASY TO REACH SHOCK FREE ADJUSTING ➜
Shock exposed only at cross bar.
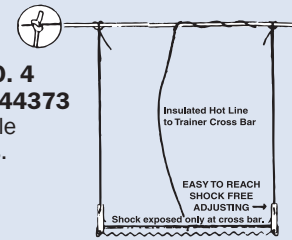
Magi Clip
Part# 44394 - 10/bag

Vanberg Specialized Coatings
Con-Korite X'tra High Strength Mortar

Use this mortar when you want to make a repair one time. Con-Korite develops 3000 PSI compressive strength in one hour and nearly 10,000 PSI in 28 days. The unique formula has exceptional abrasion, salts, and sulphates resistance making it the longest lasting and most cost effective solution for severely worn concrete surfaces. Sets in 30 minutes.

Con-Korite can be extended with coarse sand or pea gravel (up to 1:1) to grout deep holes and with mortar sand at the rate of 2 parts mortar to 1 part mortar sand to make repairs in medium duty areas such as floors, troughs, and bunks. The use of KB25 acrylic resin with the Con-Korite X'tra mortar enhances bond properties and added resistance to chemicals and moisture.

DESCRIPTION	PART#
Con-Korite X'TRA (55 lb.) Pail	47730
Con-Korite (60 lb. kit - 55# Mortar & 2 qts. KB25)	47735

Coverage per 55 lbs.
25 sq. ft. @ ¼" Unextended (Curbs, Gutters, Steps)
38 sq. ft. @ ¼" Extended w/ 25 lbs. Sand (Parlor Floors)

KB25 Acrylic Resin (1 Gal.) Part# 47731
• 1 Qt. per 55 lbs. Mortar as an additive
• 1 Qt. will prime up to 200 sq. ft.
• 1 Gal. per (3) 55 lb pail for typical use with high chemical resistance
• 4 Gal. per case (sold by Gal.)

VP-151 Concrete Clean & Etch
• One step formulation cleans & etches concrete
• Neutralizes alkali and soap residue
• 1 gal. cleans & etches up to 150 sq. ft. when mixed 2:1 with water
• 4 gal. per case (sold by gal.) - Truck Ship Only

DESCRIPTION	Part#
1 Gal. Conditioner & Etch	47734

VPC-49 Deep Kleen Concentrate
• Removes grease, oil, most stains (including Rust), and dirt
• 400 Sq. Ft. per gallon
• Mixture is 2 Oz. per gallon
• Safe for all surfaces

DESCRIPTION	Part#
VPC-49 Deep Kleen (1 gal.)	47733

Thinner and Cleanup Solvent 101

DESCRIPTION	Part#
Solvent 101 (1 gal.)	47739

4" Heavy Duty Prop Mixer

DESCRIPTION	Part#
Prop Mixer	47740
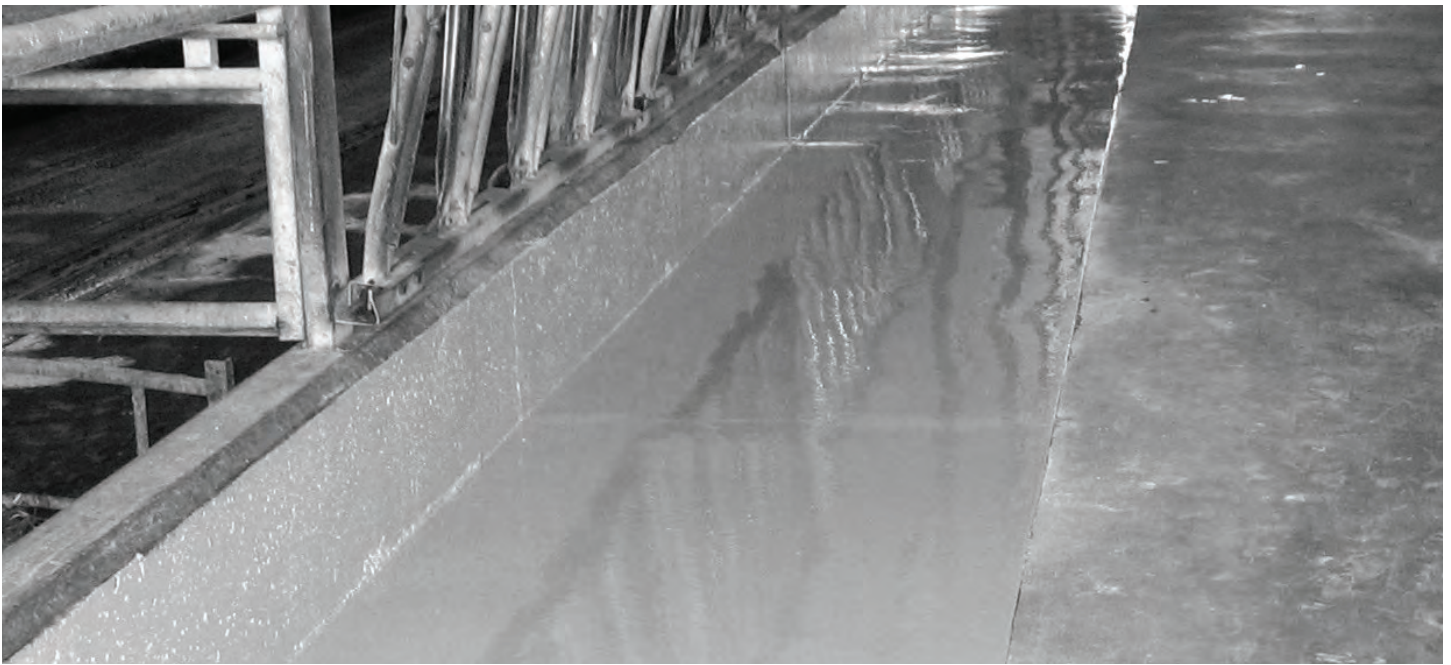
Vanberg Specialized Coatings
Armorcoat Fast
A fast setting version of Armorcoat Base Epoxy. Ready for light traffic in 10 hours. Works as base coat or top coat. Coverage is 150 sq. ft per gallon.

DESCRIPTION	Part#
1½ Gal. Kit - Med. Gray	47736
1½ Gal. Kit - Clear	47736-2

Epo-Seal Water Based Fast Set Epoxy
• Chemically resistant, Easy cleaning surface, Fast-Set
• Coverage up to 250 sq. ft. per kit, 1-2 hours dry time
• High Performance Clear Epoxy Sealer (1 coat) or coating (2 coats)
• Adds a tough wearing, chemical resistant, easy cleaning surface to CON-KORITE 'X'TRA and surrounding concrete.

DESCRIPTION	PART#
¾ Gal. Kit - Clear	47732

Armor Stone Extra Fast Epoxy Repair Mortar
These specially designed epoxy mortars are ideal for tough wear situations where chemical resistance is important. Easy to use... just mix and trowel apply. Sets in 2-3 hours for dairys and cooler rooms. Coverage is 12-13 sq. ft @ ¼ inch. Kicker pack allows set in 1-2 hours.

DESCRIPTION	PART#
50 lb Pail Armor Stone Extra Fast	47737
Kicker Pack	47737-1

Armor-Glaze Wall Coatings
100% solids epoxy designed to withstand corrosive, wet conditions. Apply 2 coats for most uniform system. Sets in 10-12 hours. Stands up to pressure washing. Microbe-X is an anti-microbial additive that can be added to provide protection from a wide range of fungi and bacteria. Armor-Glaze can be finish coated with V-Thane urethane wall coat for the ultimate chemical, stain, and UV light resistance.

DESCRIPTION	PART#
1½ Gal. Kit - White	47738
1 Pint Microbe-X	47738-2
1½ Gal. Kit V-Thane	47738-3

OW36 WashDown Lights
6 Per Case

- 36 Watts of power
- 10,000 hour bulb life
- Made of Lexan - can be power washed
- Instant on at 20˚ below with no flicker
- No mercury, no environmental hazard
- Reflective lens provides 3 times more light
- Reduces energy costs 80%
- Easily returns $50 in energy savings
- 2400 Lumens

DESCRIPTION	PART#
Hardwire light assembly	43235

OW36 WashDown Light Parts

DESCRIPTION	PART#
Bulb	43235-1
Collar ballast / screw-in	43235-4

Super Floodlight 9036C
4 Per Case

- Fully Directional
- 200 Watts of light/ 36 watts of power
- Made of lexan - UL Wet Rated
- Instant on at 20˚ below with no flicker
- 10,000 hour bulb life (Lamp included)

DESCRIPTION	PART#
Light Assembly	43239
Replacement Bulb	43239-1

energy
EPA POLLUTION PREVENTER

Barnliter I/Niteliter I
- Long day lighting is a profitable dairy investment
- May produce up to 5 lbs more milk per cow per day
- Typical return of $100 per cow per year
- Unique night light feature (on separate switch)
- Creates uniform dim light throughout the barn
- Standard 6 foot cord included
- 48.5" long × 18.63" wide × 5.63" high
- Unit includes GE 42558 (4 Ft. bulb)

DESCRIPTION	PART#
BarnLiter I (6 lamp)	43237
BarnLiter I (4 lamp)	43237-1
BarnLiter / NiteLiter I (6 lamp)	43238
BarnLiter / NiteLiter I (4 lamp)	43238-1
Bulb	43237-2

Barnliter II/Niteliter II
- Long day lighting is a profitable dairy investment
- May produce up to 5 lbs more milk per cow per day
- Typical return of $100 per cow per year
- Unique night light festure (on separate switch)
- Creates uniform dim light throughout the barn
- Wattage consumed from 84 to 28 day and night
- Standard 6 foot cord included
- 49.88" long × 7.63" wide × 5.75" high
- Unit includes GE 42558 (4 Ft. bulb)

DESCRIPTION	PART#
BarnLiter II (3 lamp)	43230
BarnLiter II (6 lamp)	43230-1
BarnLiter / NiteLiter II (3 lamp)	43234
BarnLiter / NiteLiter II (6 lamp)	43234-1
Bulb	43237-2

Seals

Seal Flex™

Seal-Flex rainwear stretches up to 150% and reforms to its original shape without damage to the fabric. These durable garments are designed with a generous fit for total comfort and convenience.

Seals Terrain

Seals Terrain HD Rubber Boot

SIZE	PART#
6	43386
7	43387
11	43391
12	43392
13	43393
14	43384

CUSHION INSOLE

- Slip resistant traction sole. Ideal for most surfaces. Self cleaning cleats.
- Outstanding durability for agricultural applications
- High abrasion resistant soles.
- Excellent grip on wet or dry surfaces
- Non-cracking rubber. Special formulation remains flexible in cold weather.
- Superior arch support.
- Reduces back pain of extended wear.

Seals PVC Dairy Apron
48" Long
Adjustable easy release neck strap and adjustable waistband. Non-rust nickle eyelets. Extra long, Durable and comfortable with many quality features. Can be trimmed to desired length.
Part# 43400

Seal Flex Parka

COLOR	PART#
Navy Blue	43470
Green	43471
Yellow/Reflective	43475
(Sizes S-2X)	

A premium quality raincoat with the minimum number of seams and the maximum number of features. YKK zippers, fully adjustable storm protection hood, two generous waterproof pockets, and waterproof cuffs.

Seal Flex Overtrousers

COLOR	PART#
Navy Blue	43440
Green	43441
Yellow/Reflective	43445
(Sizes S-2X)	

The most comfortable, easiest wearing over-trousers available. Maximum flex and ease of movement while keeping you warm, and dry. Stretches to 150%.

Seal Flex Bib-Overtrousers

COLOR	PART#
Navy Blue	43450
Green	43451
Yellow/Reflective	43455
(Sizes S-2X)	

Maximum protection. The bib front offers all the features of our overtrousers with a full elastic bib and brace for total flexibility and movement.

Dairy Aprons, Double Coated Heavy-Duty Nitrile
Part# 41923

- Hycar apron
- W-45 medium white
- 35" x 45" heavy duty
- 12 per bundle

Nitrile Powdered Gloves

Nitrile Powdered gloves are completely latex free: A great glove for those concerned with latex sensitivity.

- Ambidextrous
- Outstanding durability for agricultural applications
- Textured micro-roughened surface
- Excellent grip on wet or dry surfaces

100 gloves per box / 10 boxes per case.

DESCRIPTION	PART#
Size XL Glove	44008
Size LG Glove	44008-1
Size M Glove	44008-2
Size S Glove	44008-3

Parlor Milking Sleeve
Part# 44004

- A urethane nylon waterproof resistant sleeve for dry arms
- Keeps you warm and dry

Stainless Steel Milk Sample Dippers

OZ.	LENGTH	PART#
2	20"	31759
3	20"	31760
4	20"	31761
2	36"	31759-1
3	36"	31760-1
4	36"	31761-1
8	20"	31764

Strap On Milking Stool
Part# 44005

- Cuts down on back troubles
- Soft nylon harness keeps stool comfortable walking or sitting
- Coil spring gives firm support

Pocket Thermometer
Part# 46285

- 1" diameter dial
- 5" stem length
- Ranges 0˚ - 220˚ F.
- External recalibrator
- Plastic carrying case
- 1% accuracy

Little Giant Nursing Bottle

Complete Unit Includes:
Bottle, nipple & rack.
12/carton - 2 Quart Bottle
Part# 44060

DESCRIPTION	PART#
Bottle only	44065
Calf nipple only	44066
Lamb nipple only	44066-1
Rack only	44067

Sanitary Lubricants Petro Gel

Use on Valves, "O" Rings, Gaskets and Slides
Part# 49989

Contains USP Mineral Oil and other USP ingredients. It is absolutely tasteless and odorless. Will not taint when coming in contact with food products. Impervious to water. 12/box

Lubri - Film Spray

Sold by Case (6 - 11.25 spray per case)
Part# 49988

Heavy duty lubricating spray. USDA Rated.

Table Cart
Part# 31350

Double Tray
22" Wide
34" Long
1" Deep

Table Cart

Large Two Shelf Utility Storage Cabinet

10" deep × 26" high × 22" across
Part# 21900
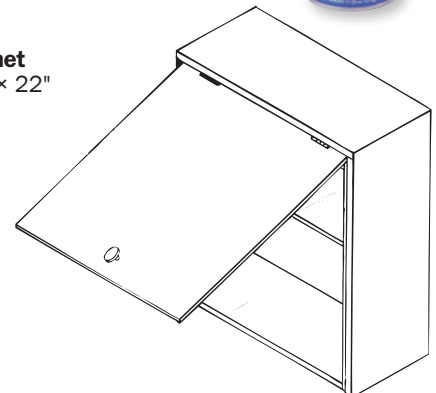
Ultraviolet Water Treatment Heat Detection Systems & Accessories
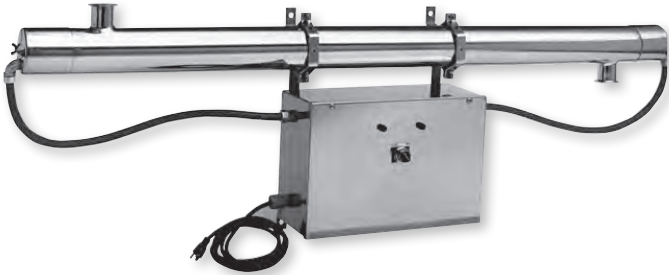
Safgard™ Ultraviolet Liquid Purifier Sterilizer

Ultraviolet water treatment is designed to eliminate the need for chemical additives and thermal processing. The nuclei of microorganisms exposed to ultraviolet radiation are altered so that the organisms are effectively destroyed.

Operation And Features:
- Standard dosage - 39,000 microwatt seconds/sq. cm.
- CIP capable–All sanitary construction & fittings
- Electrical requirements 115 V, 1-Phase, 65 Watts/Lamp (2) 60" Lamps and double ballast 1.6 amp.

PART#	DOSAGE CAPACITY GAL/MIN	MICROWATT/ SQ CM	TRI-CLAMP CONNECTION
42830	5 GPM	47,150	1½"
42832	10 GPM	40,450	1½"
42834	25 GPM	38,840	1½"
42836	50 GPM	46,730	2"
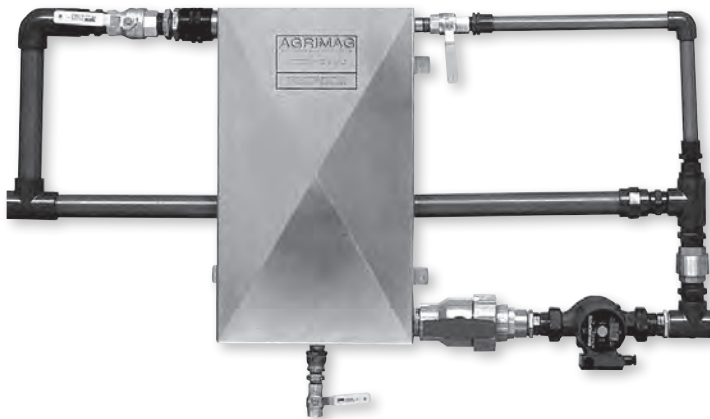
AGRI-MAGnificent Water Treatment Systems

How It Works for Dairy Farm Applications

With hard water, the molecules of calcium carbonate and magnesium are too large to easily penetrate the membrane of the cows stomach, causing poor feed conversion and reduced water consumption. After treating the cows drinking water, the hardness molecules are now in an easily digestible size, allowing better feed conversion and increased water consumption. Must Have Hard Water (20 grains plus)

Benefits
1. Increase water consumption 3-5 gallons per cow, per day
2. Increase milk yield by 3-4 pounds per cow, per day
3. Increase in butterfat test by one point (3.8 to 3.9)
4. Increase in protein by one point (3.1 to 3.2)
5. Better feed conversion by 5%

PART#	DESCRIPTION	RATE (GPM)	#COWS
42840	M1050 - ½"	4-6	50
42841	M1075 - ¾"	8	75
42842	M4000 - 1"	16	150
42843	M8000 - 1¼"	32	300
42844	M12000 - 1½"	48	600
42845	M16000 - 2"	64	1200

AP 60C Air Sterilizer

Safgard™ Ultraviolet Airborne Bacteria Killing System
Part# 32789

Use Safgard™ fan forced ultraviolet treated air to eliminate airborne bacterial contamination of product in Liquid holding tanks. Container filling & packaging areas. Stainless Steel Cabinet Includes:
- (6) 30" UV Lamps
- (1) 30 CFM Fan, 115 VAC, 60 HZ
- 37"W × 24"D × 12"H

Track A Cow - In-Heat Cow Movement Telemetry System

Track A Cow uses long range pedometer with high resolution in-heat detection with continuous indicators for animal posture (lying or standing). The ultra long range radio technology permits real-time data transfer. A typical installation consists of a single unit receiver covering a range of over 1 mile. Real time data transmission every 6 minutes. Track A Cow tags come with a 6 year prorated guarantee.
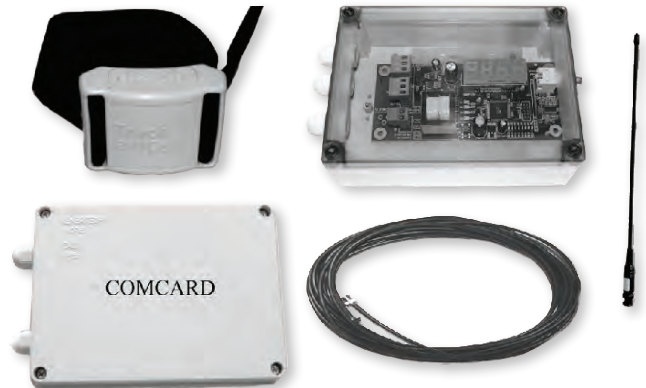
Track a Cow Eco-herd Software Reports
- Cows in-heat, ready for insemination, inseminated
- Suspect for in-heat - cows with high activity
- Inactive tags - indication of missing or malfunctioning tags
- New tags - animals tagged during the last 7 days
- Irregular behavior, exceptions of low or high activity
- Tracking of various hours or animals
- Export of reports to Excel or other applications
- Interfaces with common herd management systems

Track a Cow Eco-herd Software Graphs
- Activity with variable hour resolution scale - up to 90 days history
- Posture (lying or standing) graph in combination with activity
- Selected lactation, current and historical lactations

Track a Cow Parts

DESCRIPTION	PART#
Track A Cow receiver	80200
Track A Cow antenna	80201
Track A Cow antenna cable (10 Meters)	80202
Track A Cow antenna bracket	80203
Leg tag, pedometer & strap w/ 2 strap lockers	80204
Track A Cow replacement strap only	80205
Track A Cow strap locker only	80206
Track A Cow USB/RS485 converter	80207
Track A Cow eco-herd software for PC	80208
Track A Cow communication cable	80209
Track A Cow 25 cow basic package system	80210

Schlueter Specialty Processing Equipment

The Schlueter Company provides engineered solutions to meet your companies specific needs. Product lines include equipment to sterilize water, air, and liquids: strainers, pumps, tanks, spray devices, washers, and handling and storage equipment.

3 Tk CIP System

Portable CIP

Flow-Verter

Standard UV Liquid Sterilizer

Externally Fed RDS

Internally Fed RDS

Air UV Sterilizer
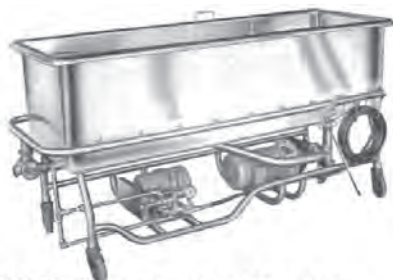
RWJ Series - Jet Washer w/Opt High Pressure Pump

Air Eliminator Tk
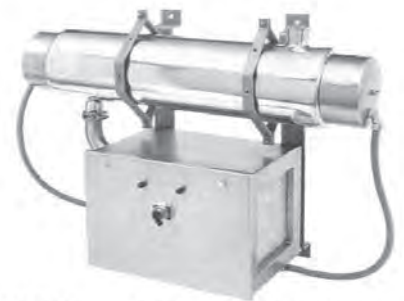
UV Forced Fan Air Sterilizer

Cylindrical Bal-Tk

Funnel

High Dosage UV Liquid Sterilizer

Original Enginaire Precleaners
Heavy Duty Cast Aluminum Body
Highly Polished Aluminum Hood
Stainless Steel Rotor

The Finest Engine Intake Air Precleaner Available

ENGINAIRE precleaners are designed to remove most of the contaminants from the air that feeds the engine. The advantage of removing these contaminants are extended filter life, improved fuel economy, reduced emissions, reduced maintenance costs, and longer engine life.

The ENGINAIRE precleaner is designed to operate at a maximum contaminant rejection efficiency with a minimum air restriction allowing for optimum engine performance. Turbochargers, blowers, cylinder liners, piston rings, and engine oil fail because of contamination. There is an Enginaire precleaner available to fit virtually all engine applications.

Airflow range 3 to 2000 CFM (can be manifolded for greater CFM requirements)

Self cleaning ejector system eliminates up to 97% of dirt from the air stream extending element life up to 10 times—or more!

Can be mounted in any position vertical, horizontal, even upside down!*

Note: If mounted upside down there must be a shroad to keep debris from settling into the precleaner when the machine is idle.

Important: The precleaner must be selected according to the Min./Max CFM Range noted in the precleaner table.

Follow these steps:
1. Determine engine airflow requirements.
2. If the engine airflow (CFM) is unknown, please contact us or visit enginaire.com for proper sizing formula.
3. Using the CFM range, select the precleaner required.
4. Measure the OD of the air inlet tube.
5. Adapters are available for specific needs. Please contact us.

Enginaire's cab pressurization unit combines our proven air pre-cleaner with our proven VLR air filter system to give you a very efficient, self contained filter blower. As air is drawn into the air conditioner, the ECP (Enginaire™ Cab Pressurizer) removes the large dirt particles with the built-in centrifugal, pre-cleaner. The air is then filtered and blown into the air conditioner intake duct with our self contained air pump.

By having a positive pressure on the incoming air chamber, the air conditioner can do its job easier with less power requirements. Even when the air conditioner is not being used, the clean air from the ECP is blown into the cab creating a positive pressure which prevents dirt from entering the cab through leaks in its doors or other openings.

The ECP can also be used to keep dust out of other enclosures such as electical boxes, instrument panels and computer rooms.

Cabaire Systems

DESCRIPTION	PART#
CA 12V DC	65690
CA 12-24V DC	65691
CA 115V AC	65692

Air Precleaners Original Aluminum & Stainless Steel
• Reduce Operation Costs
• Increase Filter Life
• Improve Fuel Efficiency
• Reduce Emissions
• Increase Engine Life

Air Precleaners
Original Aluminum and Stainless Steel Models

• Model 200 (20/100 CFM) 2 inch outlet	Part # 61001
• Model 255 (100/200 CFM) 2.5 inch outlet	Part # 61005
• Model 330 (140/350 CFM) 3 inch outlet	Part # 61010
• Model 440S (140/350 CFM) 4 inch outlet	Part # 61015
• Model 445 (300/600 CFM) 4.5 inch outlet	Part # 61020
• Model 550 (300/600 CFM) 5 inch outlet	Part # 61025
• Model 660S (300/600 CFM) 6 inch outlet	Part # 61030
• Model 660 (400/850 CFM) 6 inch outlet	Part # 61035
• Model 770L (500/1400 CFM) 7 inch outlet	Part # 61045
• Model 880 (500/1400 CFM) 8 inch outlet	Part # 61050
• Model 990 (900/2000 CFM) 9 inch outlet	Part # 61055
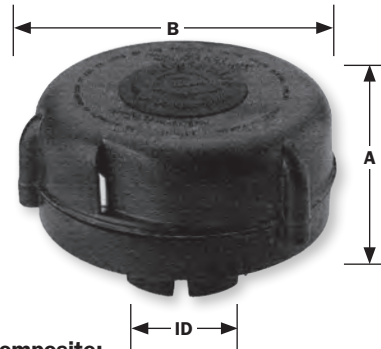
Air Precleaners
Heavy Duty Molded Composite:
Lighter Weight, Dual Sealed Bearings, Lifetime Warranty!

• 1.5-(3/20 CFM) 1.5 inch outlet	Part # 61508
• 2-(20/150 CFM) 2 inch outlet	Part # 61511
• 3-(75/250 CFM) 3 inch outlet	Part # 61513
• 4-(150/465 CFM) 4 inch outlet	Part # 61015
• 4.5-(250/600 CFM) 4.5 inch outlet	Part # 61521
• 5-(250/600 CFM) 5 inch outlet	Part # 61523
• 6S-(250/600 CFM) 6 inch outlet	Part # 61519
• 6-(350/1100 CFM) 6 inch outlet	Part # 61517

How Cab Pressurization Works

Schlueter Milk Receiver Order Form

Dealer#_____

Dealer_____

Date:_____

PO#_____

DIA.
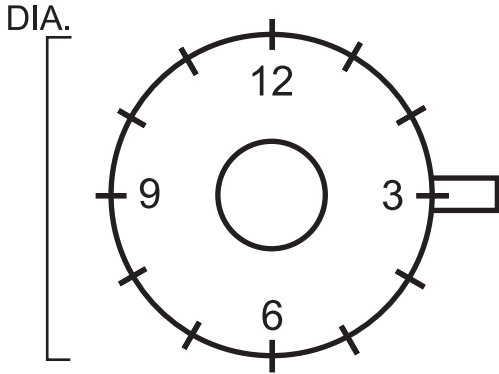
Pump Outlet Size
☐ 1.5" 39mm
☐ 2.0" 51mm
☐ 2.5" 63mm
☐ With Fitting
☐ No Fitting

Total Capacity	Dimensions*
☐ 12 Gallon	14"D × 18"H
☐ 16 Gallon	18"D × 18"H
☐ 26 Gallon	18"D × 24"H
☐ 55 Gallon	26"D × 24"H
☐ 69 Gallon	26"D × 30"H
☐ 82 Gallon	26"D × 36"H
☐ 96 Gallon	26"D × 40"H

Maximum dimensions

Stainless Steel Standard Floor Receiver Tank

Exploded Parts View

26.0"

5.0"

24"
30"
36"
40"

5.0"

1.5" - 2" Drain

18.0"

3.0"

18"
24"

3.0"

1.5" - 2" Drain
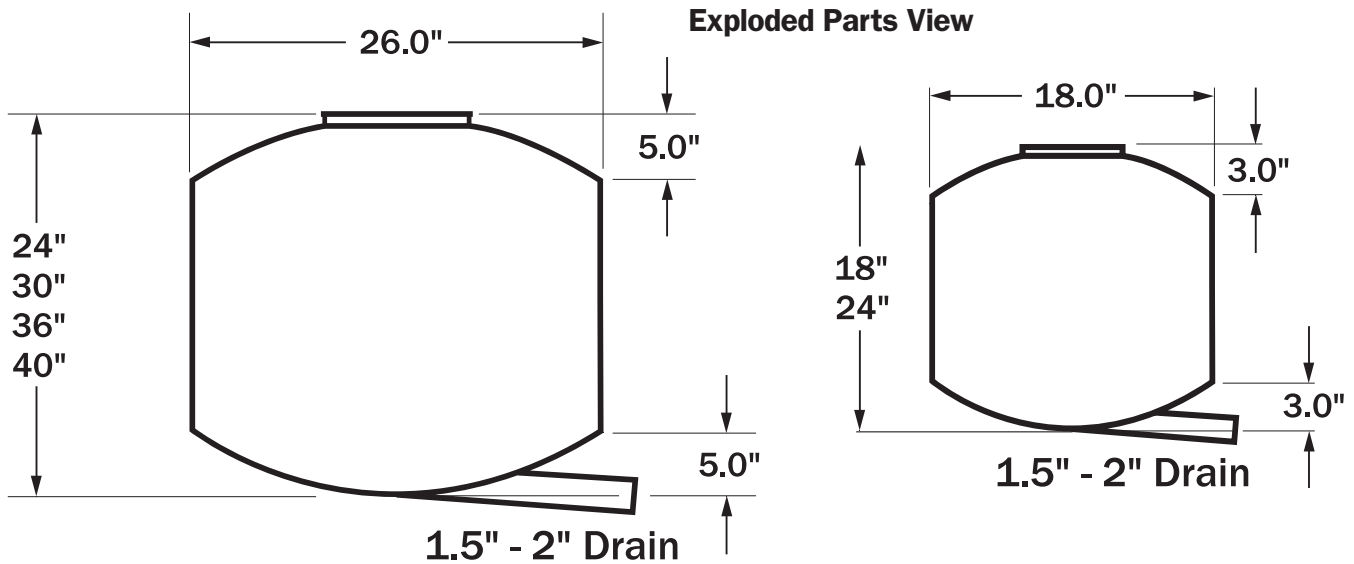
Custom Pipeline Order Form/Start Sheet

A

B

C

Overall Length
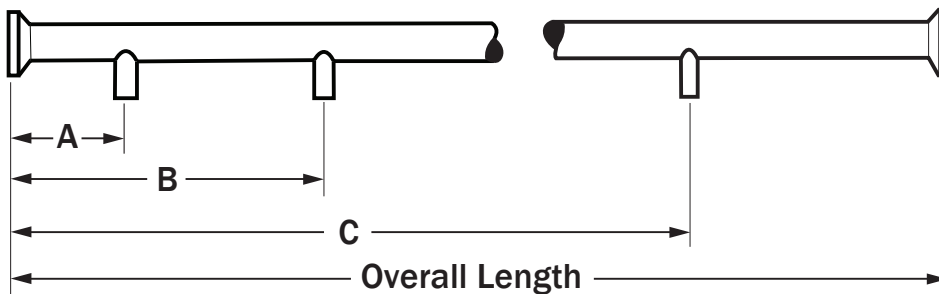
Measuring Technique
Always start from left end of tubing and measure to nipple.

Specify
1. Tubing size and gauge
2. Nipple size desired
3. Number of pieces
4. Inlet location
5. Note ferrules

Wiring Diagram for Variable Speed Milk Pump Drive
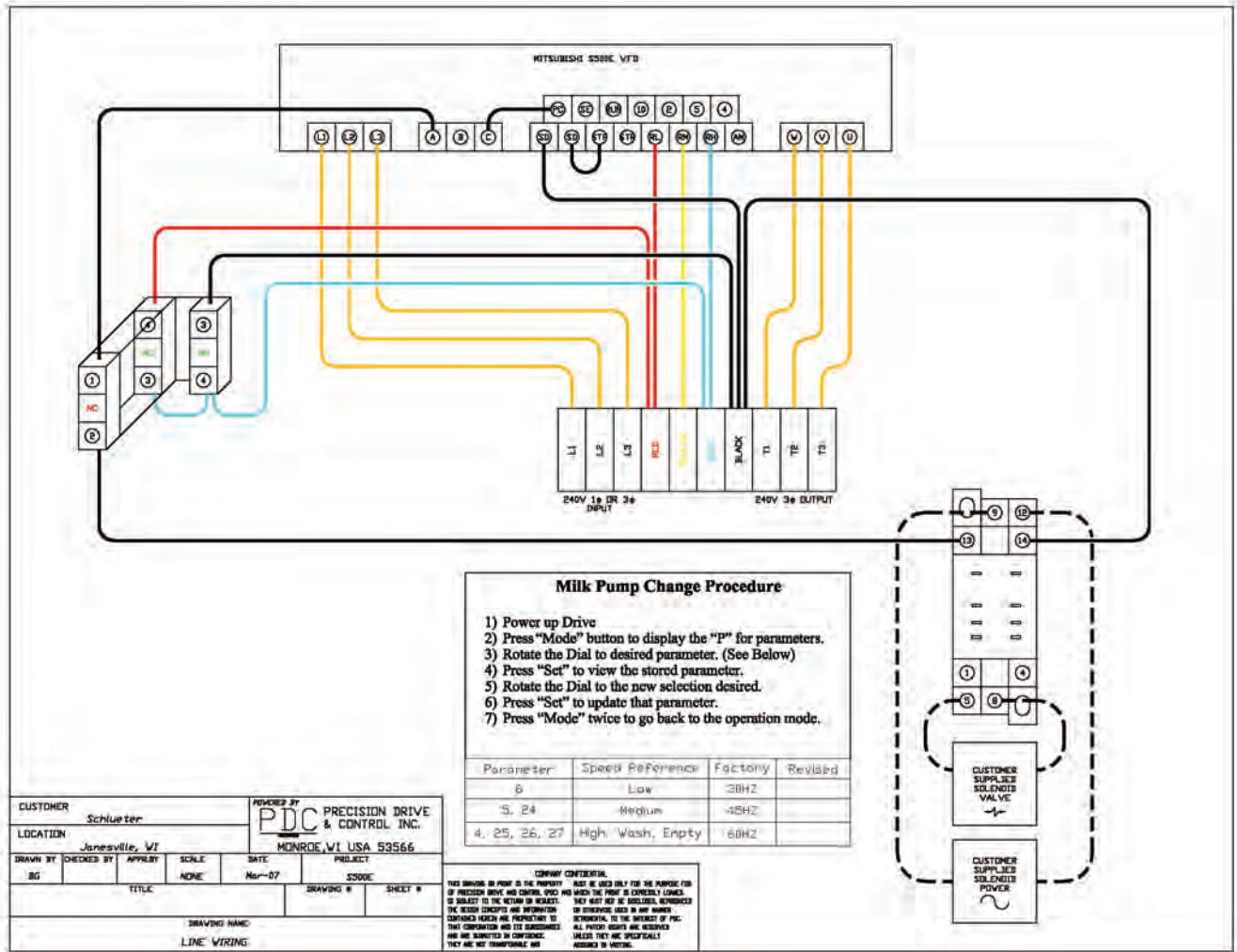
Order Form for Custom Multi-Stage Level Control
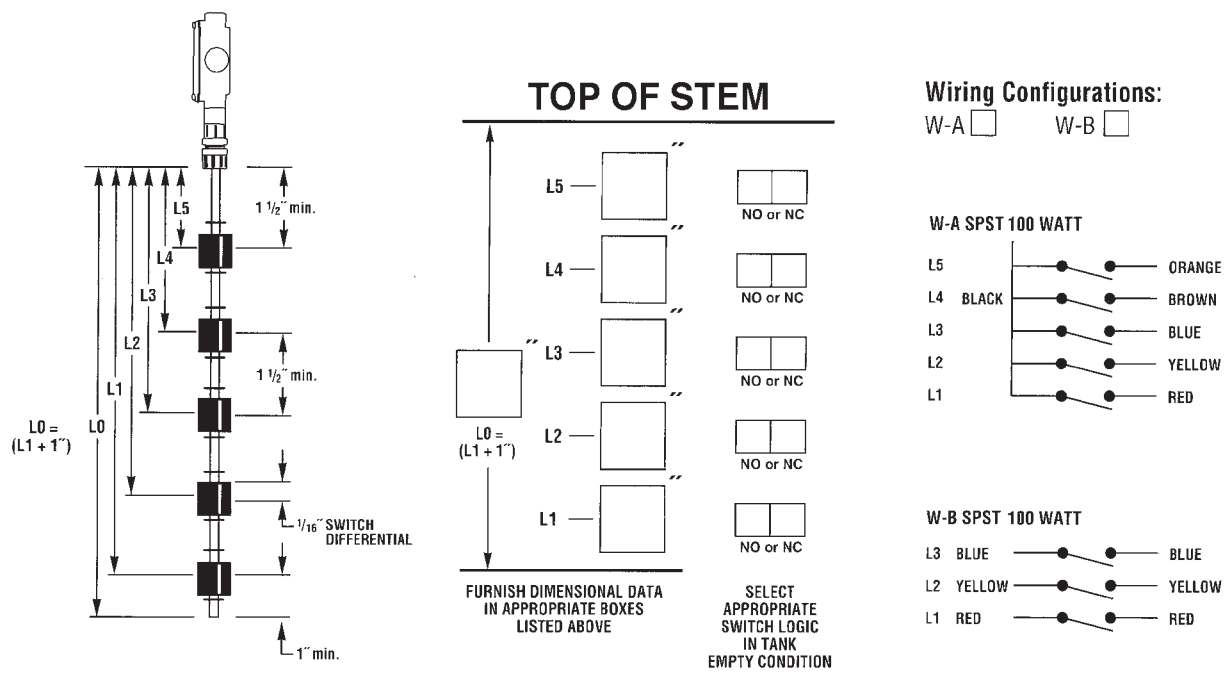
Safgard™ Glass Receiver Parts
(Assemblies No Longer Available)

REF.	DESCRIPTION	PART#
12a	1½" × 1½" cover only	45710
12a	2" × 2" cover only	45711
12b	Cover gasket	11314
12c	6 qt. pot S.S. for trap	45712
12d	2⅜" float ball	45761
12e	6 qt. bail only	45713
13	2" electrode assembly, tri-clamp	45769-1
13	1½" electrode assembly, plug style	45769-2
13a	Long electrodes (2 required)	45770
13b	Short electrode (1 required)	45771
13c	2" × 3 hole electrode block, tri-clamp	45774
13d	1½" × 3 hole electrode block, plug style	45775
15	3 probe Liquid Level Control 2" tri-clamp connection	45725
16	Electrode cord with cap	45784
16a	Electrode cap only	45721
17	Panel mounting frame	45786
18-1	2" S.S. glass to clamp to clamp tee	45788
18-2	2" wash tee, glass	46171
18a	2" plastic coupling	45292-1
18b	1½" plastic coupling 6004	45326
19	25 liter jar with 3 - 2" inlets	45735
20-1	2" 90˚ clamp to thread J bend	45787
20-2	2" 90˚ J bend thread to glass	45767

REF.	DESCRIPTION	PART#
	¾ HP pump and motor horiz. discharge	45885
1	¾ HP motor only 3450 RPM	48742
2a	Classic milk pump horiz. discharge	45739
3	Pump mounting bracket	45741
4	Milk pump plate (old style)	45744
	Milk pump plate for P-7 pump	48764
	Classic milk pump plate	48782
5	Milk pump gasket (old style) flat	45745
	Milk pump gasket for P-7 pump, L style	48748
	Classic milk pump gasket ("U" Shaped)	48755
6	New Style Complete Seal Assembly	45747-1
8	S.S. retainer pin	45751
9	2 blade impeller for P7 pump	45752
9	4 blade impeller for P7 pump	45753
11	Vacuum operated drain valve	45282
12	2" 6 qt. S.S. trap with nipple	45709

OPTIONAL ACCESSORIES		
REF.	DESCRIPTION	PART#
27	2" diversion tee to glass	48213
27a	1½" diversion tee to glass	48212

Wiring Diagram Standard Liquid Level Control
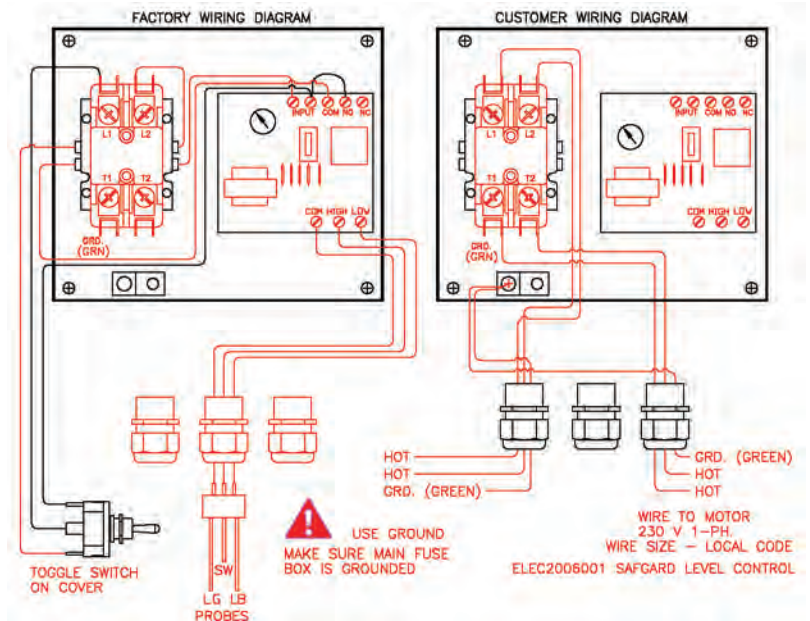
Wiring Diagram for #23068/23071 Pulsation Controller
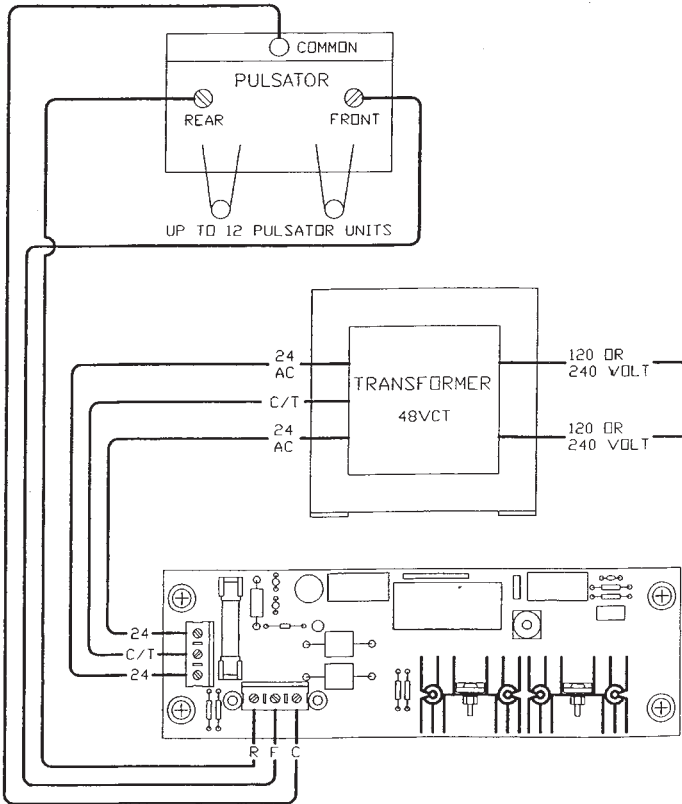
Powervolt Branded Transformer Wiring
For 120v operation Tie (1) to (2) &
(3) to (4) fuse at 5 AMPS
For 240V operationTie (2) to (3)
(1) and (4) are input voltage, fuse at 3 AMPS

**Pacific Transformer Wiring
For 115 Volt input**
Connect WHITE and BROWN to one supply
Connect BLACK and RED to other supply
And 24 Volt output
Connect ORANGE to one output
Connect YELLOW and BLUE together
Connect VIOLET to other output

For 230 Volt input
Connect WHITE to one supply
Connect BLACK and BROWN together
Connect RED to other supply
And 24 Volt output
Connect ORANGE to one output
Connect YELLOW and BLUE together
Connect VIOLET to other output

B/M Electric Pulsator Parts

ITEM #	DESCRIPTION	PART#
1	⅞" nipple "o" ring	23078-1
2	coil base o-ring	23078-2
3	piston base cap	23078-3
4	piston top insert	23078-4
5	nipple protector	23078-5
6	cleanout plug	23078-6
7	bare piston	23078-7
8	contact pin	23078-8
9	piston cmpt	23078-9
10	base only	23066-1
11	base assembly	23066-2
12	contact spring	23066-3
13	½" red plug	23066-4
14	½" ss screw	23066-5
15	1.5 ss screw	23066-6
16	2" ss screw	23066-7
17	lock washer	23077-8
18	ss cover	23065
19	fresh air cover	23065-1
20	suction tube	23065-2
21	red coil	23076
22	fresh air nipple	23079-1
	fresh air kit	23079
	perm mount base	23066-P
	repair kits	23078
	thread on stallcock	23067
	clamp on stallcock	23072
	stallcock rep kits	23077
	perm mt pulsator	23060
	perm mt w/fresh air	23061
	stallcock mt pulsator	23066
	stallcock mt w/fresh air	23062
	puls control board	23071
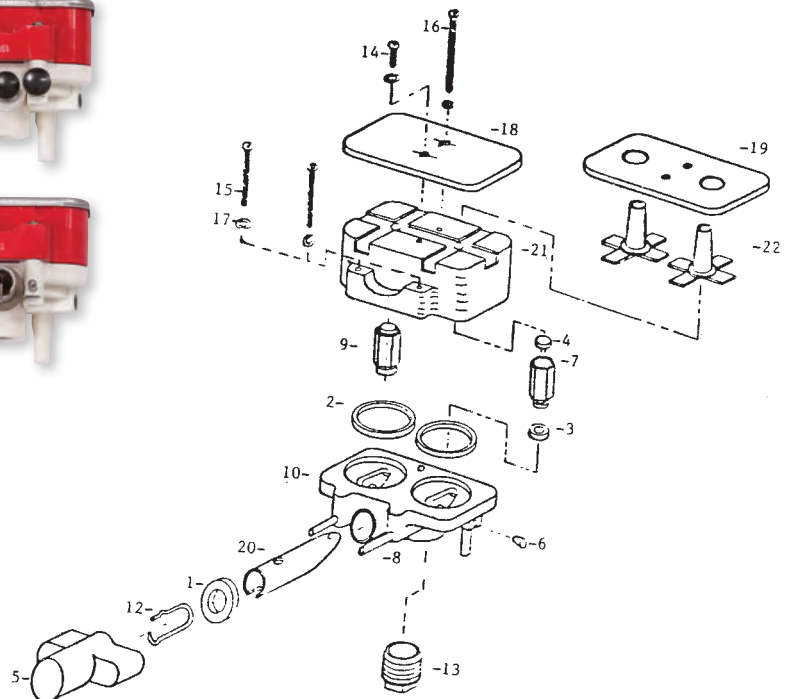
Schlueter AC/DC Power Supply for Detachers and Pulsators
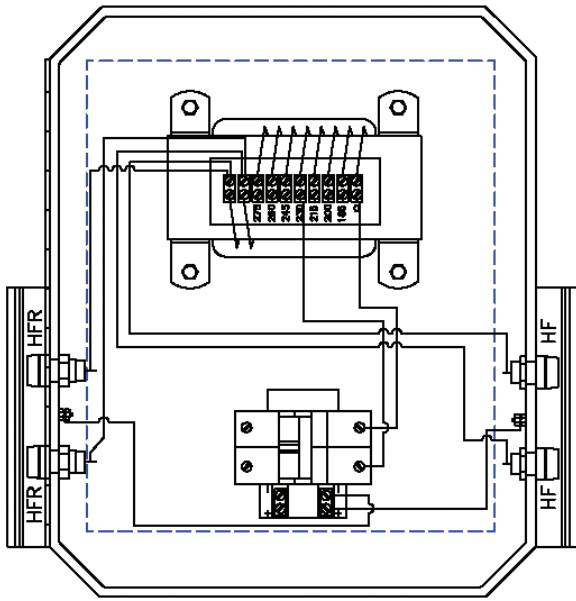
PRIMARY INPUT VOLTAGE						
TAP	200V	210V	220V	230V	240V	250V
185	21.7	22.7	23.8	24.9	26.0	27.1
200	20.0	21.0	22.0	23.0	24.0	25.1
215	18.6	19.5	20.5	21.4	22.3	23.3
230	17.4	18.3	19.1	20.0	20.9	21.8
245	16.4	17.2	18.0	18.8	19.6	20.5
260	15.4	16.2	16.9	17.7	18.5	19.3
275	14.5	15.2	16.0	16.7	17.5	18.2

Safgard™ Air Injector Timer
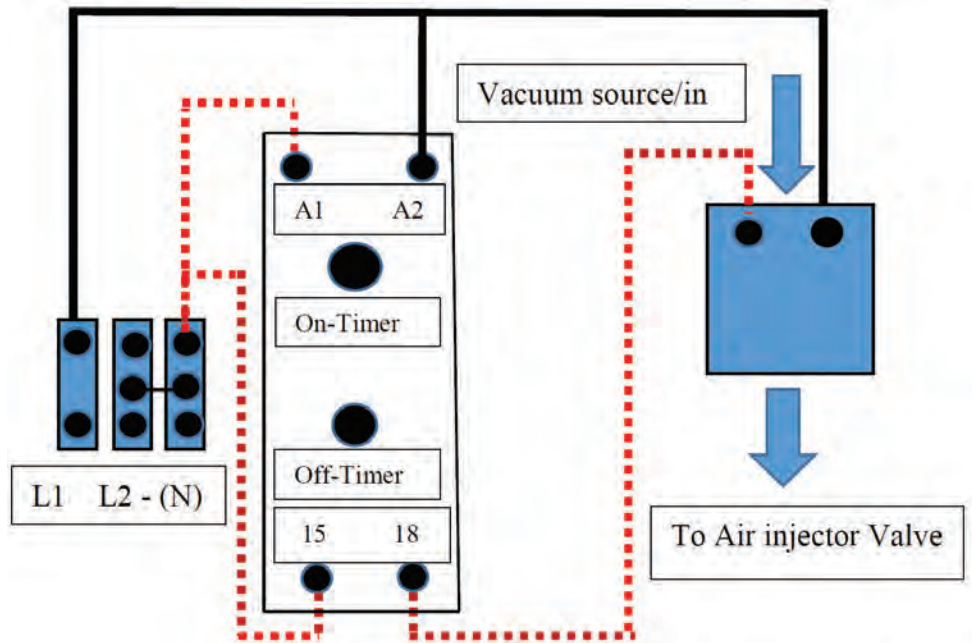
Part# 40610-1 • 24/110/240 Input Volts
• Universal supply voltage AC/DC 24-240V
• Time scale 0.6s~100 hours divided into 6 ranges
• Working modes: loop around, loop once
• Output contact: 1x changeover 3A
• Output indication:
  Red LED, flashing at timing
  Green LED, lit as relay on
• High accuracy, small volume, high reliability.
• DIN rail mounting

The timing board is auto-ranging, multi-voltage, and will accept 24 through 240 volts. Input voltage must match the voltage of the solenoid valve. If in doubt of proper input voltage, check the voltage on the valve for proper pulsage rating.

Wiring for Variable Speed Vacuum Pump Drive

Mitsubishi A700 simple wiring
Three Phase power into L1, L2, & L3
Single Phase power into L1, & L2
Proper grounding is required

Motor Connection to T1, T2, T3 (U,V,W)

Vacuum Transducer white wire to Terminal "4"
Vacuum Transducer brown wire to Terminal "PC"

Put a jumper wire from terminal "5" to "SD"
Put a jumper wire from terminal "MRS" to "SD"

Drive RUN Command needs to be a dry contact (No Voltage Present) from Terminal "STF" to "SD." Opening and closing will Start/Stop the Inverter. If your source is a live 120 volt contact, a relay will need to be installed to isolate voltage from the Inverter.

To bypass the Vacuum Transducer if required for wash, close a dry contact (No Voltage Present) from RH to SD terminals. See program page for setting speed of bypass.

Default Vacuum set point is 13.0" See program page for setting vacuum level.

Refer to manual for complete detail on drive. It is always advised to have a licensed electrician install.

Safgard™ Cooling Systems
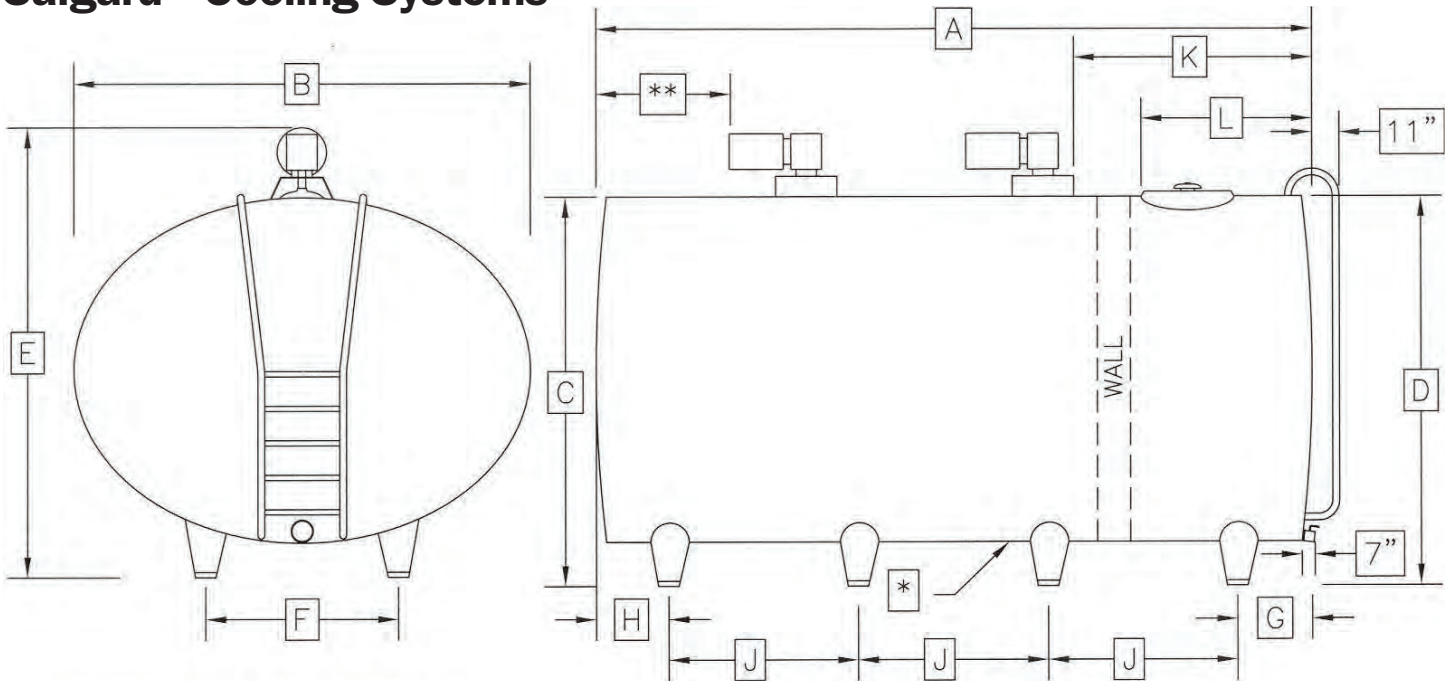
*—ALTERNATE THERMOSTAT LOCATION (2,500 GALLON +)
**—TANK SIZES 3000 & 5000=49", TANK SIZES 4000, 6000, 7000 & 8000 GAL.=59"

SIZE			DIMENSIONS											LEGS	SHIPPING INFORMATION			
GALLONS	LITERS	LB/MILK	A	B	C	D	E	F	G	H	J	K	L		L	W	H	WT
600	2,300	5,160	75"	60"	59"	57"	73"	32"	13.5"	14.5"	47"	33.25"	30"	4	89"	72"	74"	1,000
800	3,000	6,880	97"	60"	60"	57"	73"	32"	13"	14.0"	35"	33.25"	30"	6	109"	72"	74"	1,260
1,000	3,800	8,600	120"	60"	61"	57"	73"	32"	12.5"	13.5"	47"	33.25"	30"	6	132"	72"	74"	1,300
1,250	4,800	10,750	101"	71"	72"	69"	85"	32"	13"	14"	37"	33.25"	30"	6	126"	90"	84"	1,620
1,500	5,700	12,900	120"	71"	73"	69"	85"	32"	12.5"	13.5"	47"	33.25"	30"	6	132"	90"	85"	1,940
2,000	7,700	17,200	120"	85"	80"	76"	92"	48"	14"	15"	45.5"	40"	30"	6	132"	89"	96"	2,240
2,500	9,800	21,500	142"	86"	85"	81"	97"	48"	19.5"	19.5"	51.5"	59"	32"	6	158"	89"	96"	2,650
3,000	11,600	25,800	169"	86"	85"	81"	97"	48"	18.5"	18.5"	44"	49"	32"	8	185"	89"	96"	3,100
4,000	15,000	34,400	223"	86"	88"	81"	97"	48"	23.5"	23.5"	44"	49"	32"	10	239"	89"	96"	3,900
5,000	19,000	43,000	202"	102"	98"	93"	109"	56"	25"	25"	38"	51"	33"	10	210"	102"	111"	4,160
6,000	22,700	51,600	242"	102"	98"	93"	109"	56"	25"	25"	38"	61"	33"	12	250"	102"	111"	4,840
7,000	26,500	60,200	240"	106"	109"	103"	119"	60"	25"	25"	37"	69"	33"	12	242"	107"	121"	5,350
8,000	30,300	69,000	280"	106"	110"	103"	119"	60"	25"	25"	38"	61"	33"	14	288"	107"	121"	6,540

Index

OUR ORDER POLICY

Help Us Process Your Orders Quickly And Accurately by Providing the Following Information:

1. Customer Account Number
2. Your Name, City and State *(And Country)*
3. Complete "Ship To" if different than "Sold To"; *(i.e. Name, Street Address, City, State and Zip or Postal Code)*
4. Complete Part Number
5. Description, Including Size
6. Unit of Measurement *(Each, Pkg., Cs., Ft., etc.)*

When phoning in orders, please have this information available. If you are unable to find a part number, please have a complete description of the item and we will be more than glad to find it. Part numbers are listed in our catalog as well as our price list. We sincerely appreciate your business, Thank You for helping us to serve you better!

EMAIL ORDERING
Send emails to: orders@schlueterco.com

RETURNED CHECKS
There will be a $30.00 charge added to your account for returned checks. No exceptions.

BILLING AND SHIPPING POLICIES
TERMS: Invoices are payable net 30 days, unless otherwise specified. 1½% interest per month charged after 30 days.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE
Orders will be filled at prices in effect at time of shipment!

MINIMUM ORDER:
We understand that all orders cannot be large, but our costs to process orders require a minimum order of $25.00. For orders under this amount, we must add a $5.00 handling charge per order--with no exception.

DAMAGED PRODUCT
UPS & FEDEX Shipments:
Call your local UPS or FedEx office immediately to report the damage. Save the shipping container and all packaging materials. Only the damaged product needs to be saved for pickup. If you have any questions or problems, feel free to call us.

Common carrier shipments:
Damage must be noted and initialed by the driver before you sign the freight bill. Call Schlueter immediately.

LOST OR MISSING SHIPMENTS
UPS OR FEDEX
Schlueter will initiate a tracer for UPS or FedEx shipments. Deliveries take from one to five days, depending upon the distance from a Schlueter Warehouse. If an order has not been received within 7 working days, contact us.

COMMON CARRIER
Shipments should be box counted and received-in upon arrival. If there is a discrepancy in box count stated on the freight bill, have the delivering driver note it on the freight bill. Contact us for further instructions.

Corporate Headquarters
The Schlueter Company
P.O. Box 548
320 N. Main Street
Janesville, WI 53547
Voice: 608-755-5444
Fax: 608-755-5440
Toll Free: 800-359-1700
From Canada: 800-346-5414

Western U.S. Warehouse
The Schlueter Company
4539 N. Brawley Ave., #101
Fresno, CA 93722
Voice: 559-276-7888
Fax: 559-276-9436
Toll Free: 800-359-1702

THESCHLUETERCOMPANY

WARRANTY POLICY

Schlueter products are warranted to be free from defects in material and workmanship at the time sold by us; but our obligation under this warranty and that of the seller is limited to the replacement of the product, and neither we nor the seller are bound by any other warranty, expressed, or implied, or statutory. Under no circumstances are we or the seller liable for any loss, damage, expenses, or consequential damages of any kind arising out of the use or inability to use these products. All are sold with the understanding that the end user will test them in actual use and determine their adaptability for intended uses.

The products in this catalog have been acquired from many sources and all efforts have been made to present the information accurately and correctly. All information is solely for the purpose of identifying the products listed and does not express or imply a warranty that the products will necessarily conform to the illustrations or descriptions contained herein.

None of the information presented in this catalog should be used as, or substituted for, the manufacturers instruction manuals. Each product should be installed and used in strict accordance with the manufacturers instructions. States and localities have codes and regulations governing sales, installation, and application of certain products for certain purposes. While the Schlueter Company attempts to assure that products in this catalog comply with the various codes, we cannot guarantee compliance and cannot control how a product is installed or used.

RETURNED MERCHANDISE

So that we may better handle incoming returned merchandise and issue credit/replacements in a timely and efficient manner, we require that a Returned Goods Form be completed in full and returned with all goods returned. This applies to any and all goods being returned for any reason. We do not require that you obtain a return goods authorization number, only that our Returned Goods Form be completed in full and returned with the merchandise.

Any items returned without a completed Returned Goods Form will be subject to a flat 25% restocking charge, regardless of reason returned. No exceptions to this policy. A copy of the Returned Goods Form must accompany returned products. Please do not mail Returned Goods Form separately from the product being returned.

Any merchandise returned for any reason, other than manufacturer's defect or Schlueter shipping error, will be subject to a restocking charge. Please note that Shipping Charges are not covered under any warranty.

Restocking charges will be assessed as follows:
- Merchandise returned within 30 days of ship date 10%
- Merchandise returned within 30 - 60 days of ship date 15%
- Merchandise returned within 60 - 90 days of ship date *(unless manufacture defect)* 20%
- Special Order/Special Fabricated items returned *(some may not be subject to return)* 25%
- Refused Shipments 15%

A copy of this form is included on the following page for your convenience. If additional forms are required, please call us and one will be mailed or faxed to you. This form may be photocopied.

RETURN Addresses
Postal Returns UPS & Common Carrier Returns
P.O. Box 548   320 N. Main Street
Janesville, WI 53547-0548

Corporate Headquarters
The Schlueter Company
P.O. Box 548
320 N. Main Street
Janesville, WI 53547
Voice: 608-755-5444
Fax: 608-755-5440
Toll Free: 800-359-1700
From Canada: 800-346-5414

Western U.S. Warehouse
The Schlueter Company
4539 N. Brawley Ave., #101
Fresno, CA 93722
Voice: 559-276-7888
Fax: 559-276-9436
Toll Free: 800-359-1702

THESCHLUETERCOMPANY

Returned Goods Form

In order that we may handle your returned merchandise more quickly and efficiently, please complete and return this form with ALL merchandise you are returning to any of our warehouses. Failure to enclose this form with ALL returns will delay processing of credit until received.

CREDIT WILL NOT BE ISSUED AND A 25% RESTOCKING CHARGE WILL AUTOMATICALLY BE APPLIED TO ALL GOODS RETURNED WITHOUT THIS FORM

Date _____ Account Number _____

Dealer Name _____

Street Address _____

City _____ State _____ Zip _____ Country_____

| | | | | | | | | For Office Use Only Credit Issued | |
Qty.	Part#	Description	New	Used	Fix & Return	Reason for Return	Invoice# & Date	Each	Total

Return To:
The Schlueter Company
320 N. Main Street
Janesville, WI 53547

Sub Total _____
Shipping Charges _____
% Restocking _____
Total Credit _____

If merchandise is being returned due to defect, please advise us of installation date and date of failure

For Office Use Only ☐ **California** Warehouse ☐ **Wisconsin** Warehouse

Account Number _____ Purchase Order Number _____ Date _____

Sold To (Company Name) _____

Street Address _____

City _____ State _____ Zip _____ Country _____

Ship To (Company Name) _____

Street Address _____

City _____ State _____ Zip _____ Country _____

Qty.	Part#	Description (Size/Package)	Unit Cost	Total Cost	

☐ **Corporate Headquarters**
The Schlueter Company
P.O. Box 548
320 N. Main Street
Janesville, WI 53547
Voice: 608-755-5444
Fax: 608-755-5440
Toll Free: 800-359-1700
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Account Number _____ Purchase Order Number _____ Date _____

Sold To (Company Name) _____

Street Address _____

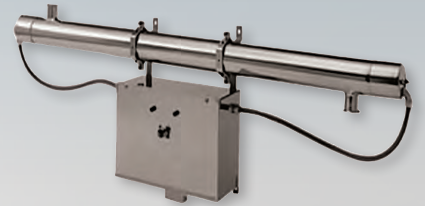City _____ State _____ Zip _____ Country _____

Ship To (Company Name) _____

Street Address _____

City _____ State _____ Zip _____ Country _____

Qty.	Part#	Description (Size/Package)	Unit Cost	Total Cost	

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The Schlueter Company
P.O. Box 548
320 N. Main Street
Janesville, WI 53547
Voice: 608-755-5444
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The Schlueter Company
4539 N. Brawley Ave., #101
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Manufacturing and International
The Schlueter Company
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Janesville, WI 53547
Voice: 608-755-5444
Fax: 608-755-5440
Toll Free: 800-359-1700
From Canada: 800-346-5414

Western U.S. Warehouse
The Schlueter Company
4539 N. Brawley Ave., #101
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Voice: 559-276-7888
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