

Fluid Motion Technologies Product Overview

January, 2015

RV Products

Water System Demand Pumps 4XX8 Family

4008 Series

- 2-3 GPM Models
- Replaces 2088 Series
- Patented Co-Molded Diaphragm
- Internal Bypass
- Introduced in 2011



4008

4048 Series

- 4 GPM Models
- Replaces 4900 & 5900 Series
- Same Pump head components as 4008
- Internal Bypass
- Introduced in 2012



4048

RV/Marine Products

Single Fixture Pump

SLV 105 Series

- 1.0 GPM
- Demand activated
- Use with standard faucets
- Up to 30 PSI operating pressure
- Can be remotely located



105

RV/Marine Products

Filtration

- Why Do We Need Filtration ?
 - Sediment
 - Taste & Odor
 - Chlorine
 - Chloramines
 - Cysts
 - Hydrogen Sulfide
 - Volatile Organic chemicals (VOCs)
 - Lead
 - Pesticides, Herbicides, THMs, MTBEs

RV/Marine Products

Filtration

- Carbon-Wrapped Paper
- GAC
- GAC/KDF Combination
- Sediment
- Carbon Block
- Everpure



FILTRATION





Complete high-quality filtration offering to fit every need and every budget

P5 10" Cartridge							
Part Number	Product Description	Tests & Chemicals	Lead	GAC	Flow Rate	Particle Size	Micro Rating
133614-03	Spin Polyester	Sediment Filter Only	-	-	10 GPM	5	5

Low pressure drop and high flow in a collaborative gradient density spun fiber solid matrix.

C1 10" Cartridge							
Part Number	Product Description	Tests & Chemicals	Lead	GAC	Flow Rate	Particle Size	Micro Rating
133603-03	Carbon Wrapped Paper	-	-	-	10 GPM	5	5

Economic solution for basic chlorine, taste and odor reduction. Low pressure drop and high flow.

CC-10 10" Cartridge							
Part Number	Product Description	Tests & Chemicals	Lead	GAC	Flow Rate	Particle Size	Micro Rating
133555-03	Coconut Shell Carbon	-	-	-	10 GPM	5	20

Low pressure drop in a high flow, long life collaborative synthetic fiber matrix.

CFBC-10 10" Cartridge							
Part Number	Product Description	Tests & Chemicals	Lead	GAC	Flow Rate	Particle Size	Micro Rating
255679-03	Modified Carbon Block	-	-	-	10 GPM	5	0.5

Low pressure drop in a long life collaborative synthetic fiber matrix.

CFB-PB10 10" Cartridge							
Part Number	Product Description	Tests & Chemicals	Lead	GAC	Flow Rate	Particle Size	Micro Rating
255681-03	Modified Carbon Block	-	-	-	10 GPM	5	0.5

Added lead reduction in a low pressure drop, high flow, long life collaborative synthetic fiber matrix.

UDS-10EX1							
Part Number	Product Description	Tests & Chemicals	Heavy Metals	GAC	Flow Rate	Particle Size	Micro Rating
255688-03	KDF/Carbon	-	-	-	10 GPM	5	5

Superior long life, quad-stage bacteriostatic KDF filter with excellent heavy metal removal.



RV/Marine Products



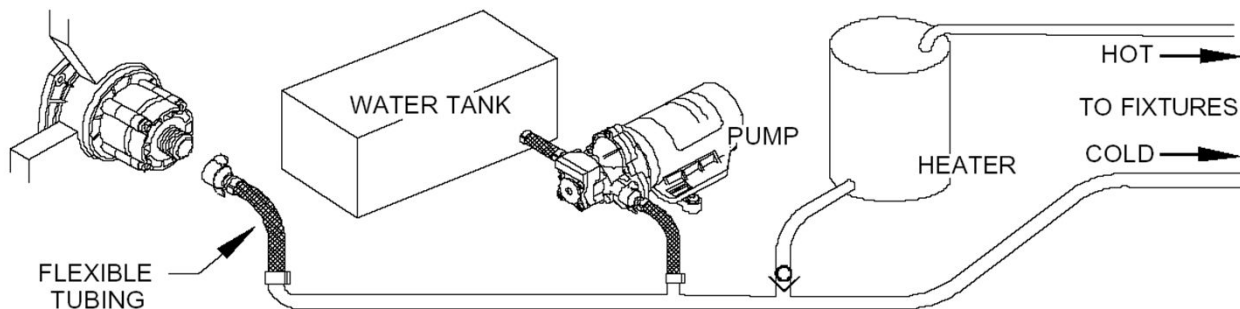
FILTRATION OVERVIEW

MODEL	166014-43 PE	166002-43 C1	166155-43 CC10	266001-43 CFB-PB10	266000-43 UDS-10EX1	84-008-60	RV-2100H-A	RV-2100H-K KDF-A	EV968208	266078-43 CFBC-10	266026-43 OS-10RO-Q	266021-43 OS-10RO-B
Type	10"	10"	10"	10"	10"	In-Line	In-Line	In-Line	10"	10"	In-Line	In-Line
Picture												
MEDIA	Spun Polypro	Carbon Paper	Granular Activated Carbon (GAC)	Lead Sorbent Carbon Block	GAC and KDF 66	GAC & KDF 66	GAC	GAC & KDF 66	Everpure Filtration System	Carbon Block	GAC Quik-Connect	GAC 1/4"NPT-F
CONTAMINANT ¹												
Sediment	•	•	•	•	•	•	•	•	•	•	•	•
Aluminum						•	•	•				
Asbestos									•			
Bacteriostat ^{2,3,6}						•	•		2,3,6			
Bad Taste		•	•	•	•	•	•	•		•	•	•
Chlorine		•	•	•	•	•	•	•		•	•	•
Cryptosporidia ^{2,3,6}				•					•	•		
Cysts ^{2,3,6}				•					•	•		
Giardia ^{2,3,6}				•					•	•		
Heavy Metals ⁴					•	•		•				
Hydrogen Sulfide ^{5,6}			•	•	•	•	•	•	•	•	•	•
Iron ^{5,6}			•	•	•	•	•	•	•	•	•	•
Lead				•	•	•	•	•				
Odor		•	•	•	•	•	•	•	•	•	•	•
Pesticides		•	•	•	•	•	•	•	•	•	•	•
Radon		•	•	•	•	•	•	•	•	•	•	•
Toxaphene		•	•	•	•	•	•	•	•	•	•	•
THMs ⁴		•	•	•	•	•	•	•	•	•	•	•
Viruses ^{2,3,6}									2,3,6			
VOCs ⁴		•	•	•	•	•	•	•	•	•	•	•
Micron Rating	5	5	20	0.5	5	5	5	5	0.5	0.5	5	5
Filter Life at Recommended Flow Rate	Replace as needed for 1 GPM @ good flow	2500 Gal. 1 GPM @ 60 PSI	7500 Gal. 1 GPM @ 60 PSI	5000 Gal. 1 GPM @ 60 PSI	11000 Gal. 1 GPM @ 60 PSI	3900 Gal. 1 GPM @ 60 PSI	6000 Gal. 1 GPM @ 60 PSI	11000 Gal. 1 GPM @ 60 PSI	750 Gal. or as needed for good flow	20,000 Gal. 1 GPM @ 60 PSI	3308 Gal. .5 GPM @ 60 PSI	3308 Gal. .5 GPM @ 60 PSI
Replacement	Replace filters every 3-6 months, or after periods of inactivity or non-use. Consult SHURflo.											
CAUTIONS	Do not use filters with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit. ² All filters are for cold water use only. Do not freeze any filters or cartridges. 125 PSI Maximum Pressure on all filters and cartridges. SHURflo reserves the right to update specifications, prices or make substitutions.											
NOTES	- All filters have varying degrees of contaminant removal dependent on flow, micron ratings and influent water quality. - Superchlorination in combination with Ultrafiltration, nanofiltration and reverse osmosis are considered better options for removal of these contaminants. - SHURflo recommends superchlorination to effectively kill bacteria and other micro-organisms. - For a complete list of Heavy Metals, THMs (Trihalomethanes) and VOCs (Volatile Organic Compounds) in your water, please consult your local water distributor. - Hydrogen Sulfide and Iron can be greatly reduced with the use of superchlorination and proper carbon filtration. - Superchlorination is a minimum of 6.7 ppm residual chlorine. For more information, please read "What Every RV & Boat Owner Should Know about Water", from Everpure and SHURflo, and Everpure's Filtration System Installation & Operation Manual for QL2-WPS & QL3-WPS. - Please be sure to follow all installation, operation and maintenance instructions that are supplied with your filter.											
This chart is an overview of possible filter choices. For more information, contact SHURflo directly.												

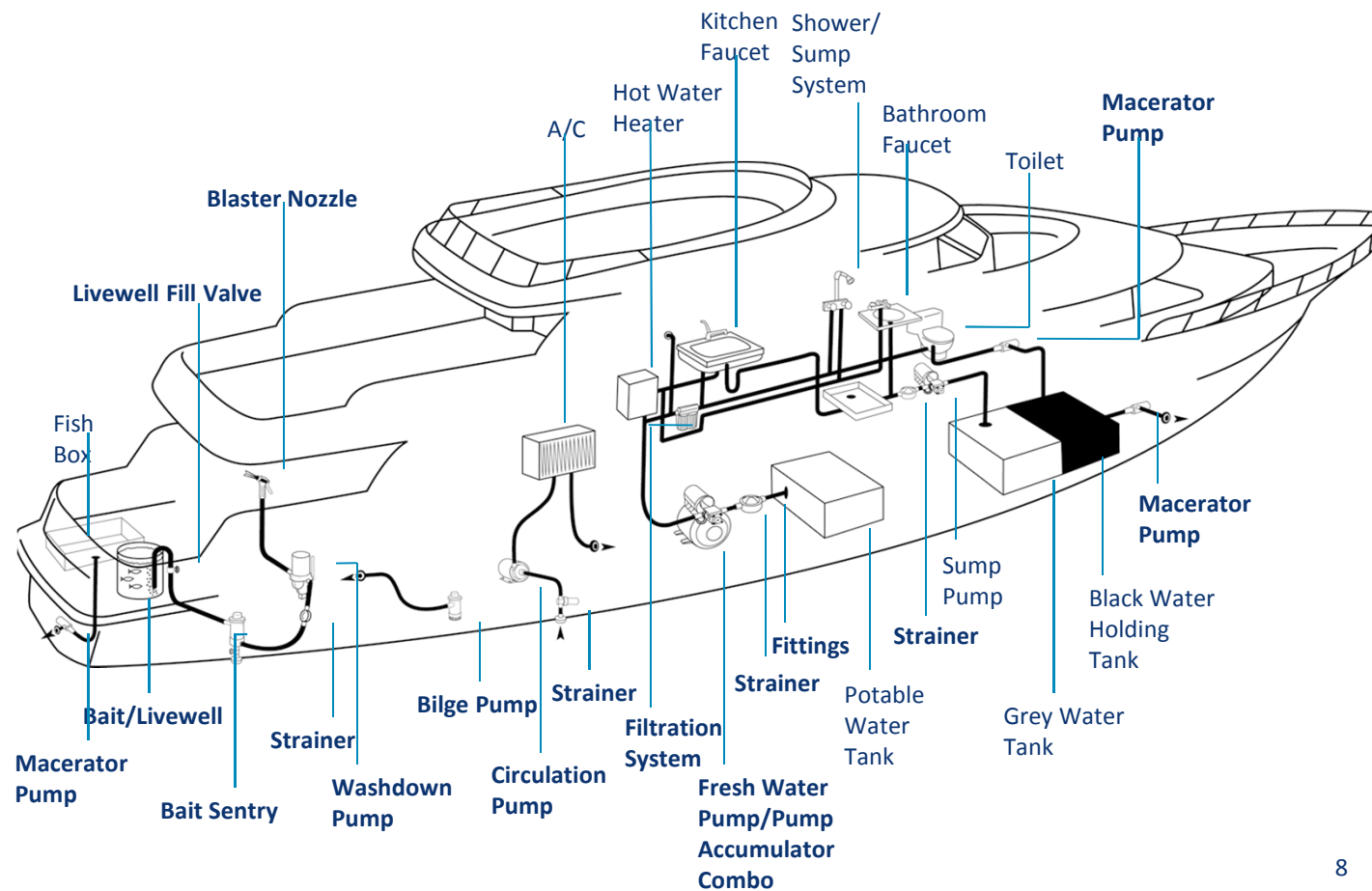
RV/Marine Products

City Water Entries

- Models Available
- Features & Benefits
 - Permanent wall mount or in-line
 - Protection from high pressure surges
 - Fits standard $\frac{3}{4}$ " garden hose fittings
 - Built in check valve
 - 50 or 65 PSI Ratings



Marine Plumbing System



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RV/Marine

Marine Products

- Fresh Water Pumps
- Washdown Pumps
- Livewell/Aerator Pumps
- Bilge Pumps
- Blowers
- Macerator Pumps
- Utility Pumps
- Water System Accessories
- Water Filtration

Marine Products

Freshwater and Washdown Pumps

Aqua King/ Blaster



X901 Series

- Flow ranges from 2-3.5 GPM
- Splash-proof motor/Sealed Switch
- Will be eclipsed by 4XX8

Aqua King II/ Blaster II



2-3.5 GPM Models

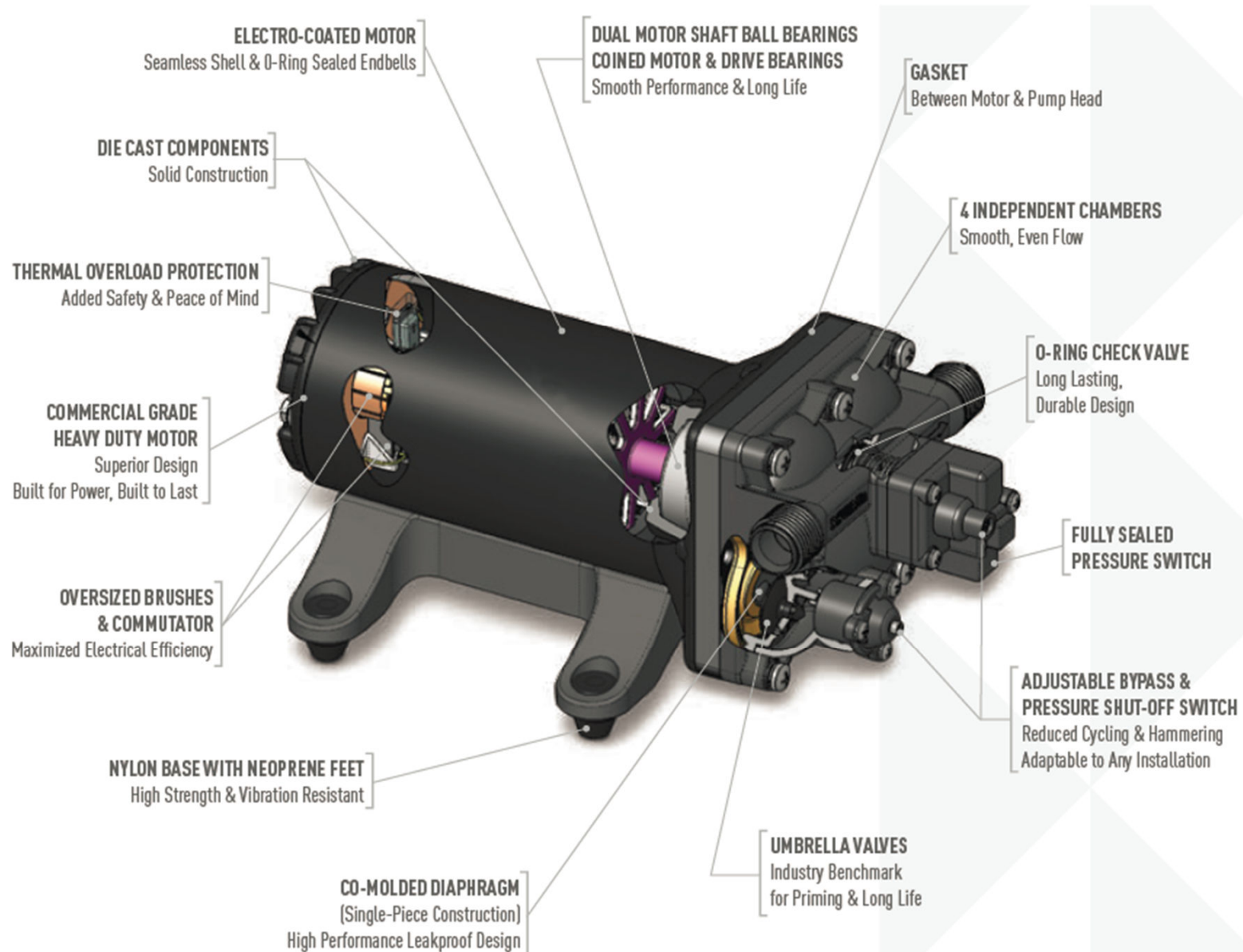


4-5 GPM Models

41X8 Series

- 4-5 GPM Models in market
- 2-3.5 GPM Models available Q4 2014
- New Splash-proof motor/Sealed Switch
- Co-Molded Diaphragm
- Bypass Feature

Latest Series of Fresh Water and Washdown Pumps



Marine Products

DC Electric Bilge Pumps

380-1000 GPH

- Nylon Impeller & Baseplate
- Durable ABS Housing
- 3' of Tinned Wire
- Water Cooled Motor
- Non-Cartridge



380-1000 GPH

1500& 2000 GPH

- Double Spring Loaded U-Cup
- Nylon Construction
- Patented Water Cooled Motor
- Swivel Baseplate
- Easy Snap Baseplate
- 6' Tinned Wire Assembly



1500 & 2000 GPH

Marine Products

Mechanical Float Switch

- Non-Mercury
- Durable ABS Construction
- Reed Type Switch
- 3' of Tinned Wire
- Manual Test Feature
- Optional Cage Available



Marine Products

Livewell / Aerator Pumps

Bait Sentry

- Patented Seal less Magnetic Drive Design
- Allows below the waterline installation
- Dual port design facilitates inlet for washdown pump



Bait Sentry

Piranha

- 600-1100 GPH Capacity
- Cartridge design allows easy replacement
- Utilizes same pump cartridge as bilge pumps

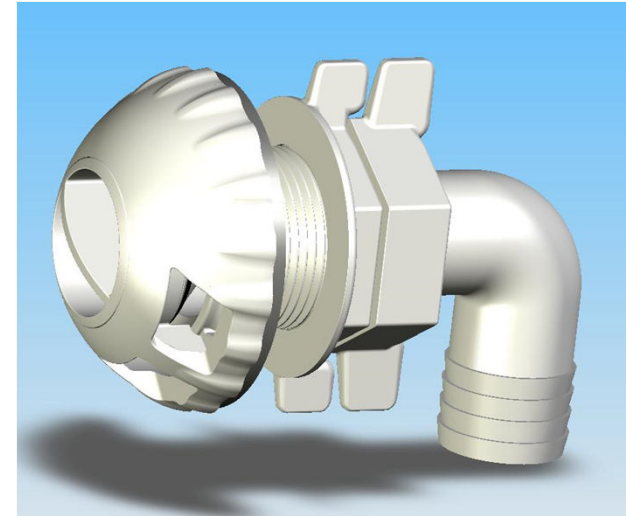


Piranha Cartridge Type

Marine Products

Livewell Fill Valve

- Nylon Construction
- Santoprene Sealing Cone
- Adjustable Flow – ½ Turn
- ¾" or Full Port 1 1/8" Barb Fittings
- Low Profile Design



Marine Products

Inline Blowers

- 3" , 120 CFM
- 4" , 220 CFM
- Shrink Wrapped Motor
- Easy Access Feet
- Heavy ABS Construction



Macerator Waste Pump

- Run Dry Impeller
- Extended Outlet Port For dual clamping
- Universal Mounting



MACERATOR

Marine Products

Accessories



Oil Change System



Inlet Strainers



City Water Regulator



Electric Faucet



Check Valves

RV/Marine

Marketing/Customer Support

- Field Sales
- Customer Service
- Web Site
- FAQ Sheets
- Trade Shows
- Catalogs and Brochures
- Applications Engineers
- Product Managers

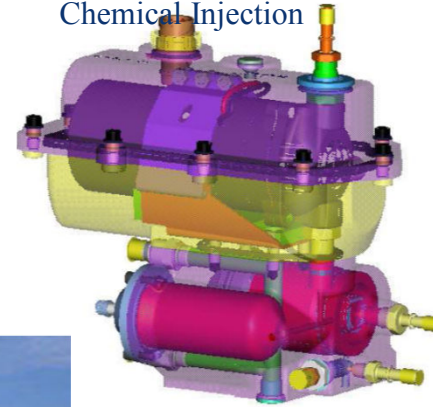


SHURflo Industrial

- Applications:

- Floor Care Machines
- Pest Control Spraying
- Agrochemical Sprayers
- Automotive Fluid Exchange
- Chemical Transfer
- Chemical Metering
- Cold Therapy Circulation
- Construction
- Solar Water Pumping
- Ink and dye Injection
- Water Treatment & Delivery
- Water Circulation
- Foam Marking
- Car Wash

Chemical Injection



Construction



ATV & Spot Sprayers

HD supply unit



Pest Control Sprayers



Cold Therapy



Automotive Fluid Exchange



Floor Care Chemical

SHURFLO Industrial

SHURflo Industrial is Ideal for the Application When:

- The power supply is 12Vdc, 24Vdc, 36Vdc (115Vac and 230Vac available with rectifier equipped DC motors), or when needs to be pneumatic.
- Flow is up to 10 GPM
- Pressure required is up to 150 psi.
- The pump needs to be self-priming or run dry capable.
- Liquid being pumped is chemical, food grade, corrosive, and under 130 degrees F (Some models up to 170 degrees F).
- Installation Space is Restricted.
- Operation is Intermittent (continuous possible-some applications)
- Needs to be easy to field service.

SHURFLO Industrial

100 Series

- Flow to 1.0 gpm(3.8 l/min)
- Pressure to 15 PSI (1 bar)
- 12Vdc or 24 Vdc
- Wobbler Type (Positive Displacement)
- Body-Ryton
- Seals-Buna
- Cannot Run Dry or Self-Prime
- Ideal for Low Flow Circulation
- Compact and Quiet



SHURFLO Industrial

SLV Series Electric Diaphragm Intermittent Duty

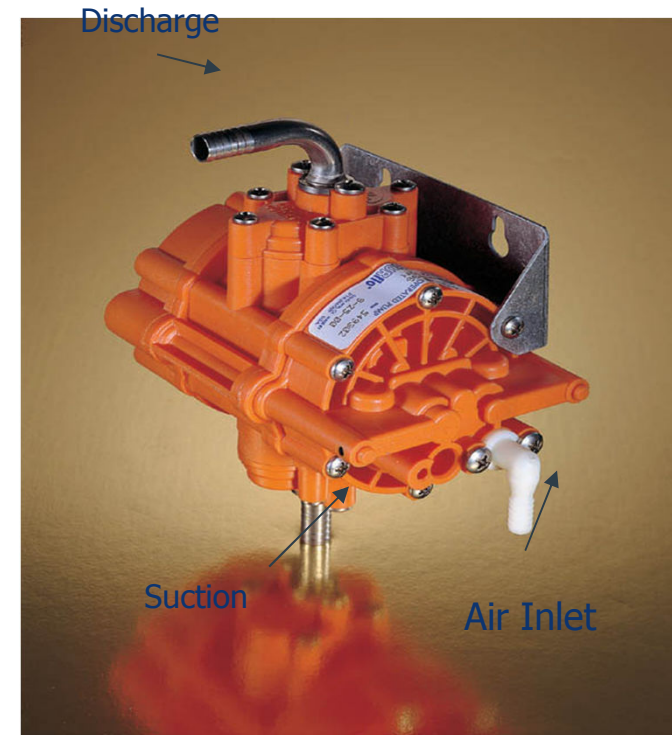
- Flow to 1.0 GPM (3.8 l/min)
- Pressure to 40 PSI (2.7 bar)
- Includes Automatic Demand Switch on 25 psi off 40 psi
- 12 Vdc or 24Vdc Motor
- Body– Nylon
- Santoprene or Geolast Diaphragm and Viton or Buna Valves.
- Optional Manual on/off Toggle Switch
- Self-Priming to 2.5 feet (0.76 m)
- Thermally Protected Ball Bearing Motor with Splash Proof Housing



SHURFLO Industrial

166 Series - AODD Pneumatic

- Flow to 0.6 GPM (2.3 l/min)
- Pressure to 60 PSI (4 bar)
- Double Diaphragm
 - Continuous Flow
 - 25 in/Hg Vacuum
- Body-Polypro
- Elastomers: Santoprene, Buna, Viton, EPDM
- Operation:
 - Clean Dry Air, CO₂, Nitrogen
 - Self-Priming
 - Automatic Demand



SHURFLO Industrial

8000 Series

Electric Diaphragm

- Flow to 1.8 GPM (6.8 l/min)
- Pressure to 150 PSI (10.3 bar)
- Includes Automatic Demand Switch
- 12-24-36 Vdc or 115-230Vac Motor
- Body– Nylon or Polypro
- Santoprene, Viton or Geolast Diaphragm
- Viton, Epdm or Buna Valves.
- Optional Manual on/off Toggle Switch Package
- Self-Priming to 8 ft (2.4m)
- Built-In Check Valve
- Can Run Dry Without Damage
- 3/8" FPT or 1/2" MPT Inlet and Outlet Ports



SHURFLO Industrial

2088 Series Electric Diaphragm

- Flow to 4.0 GPM (15 l/min)
- Pressure to 45 PSI (3.06 bar)
- Includes Automatic Demand Switch
- 12-24-36 Vdc or 115-230Vac Motor
- Body—Polypro
- Santoprene or Geolast Diaphragm
- Viton, Epdm or Buna Valves.
- Optional Manual on/off Toggle Switch Package
- Self-Priming to 9 ft (2.6 m)
- Built-In Check Valve
- Can Run Dry Without Damage
- ½" MPT Inlet and Outlet Ports



SHURFLO Industrial

5000 Series Electric Diaphragm

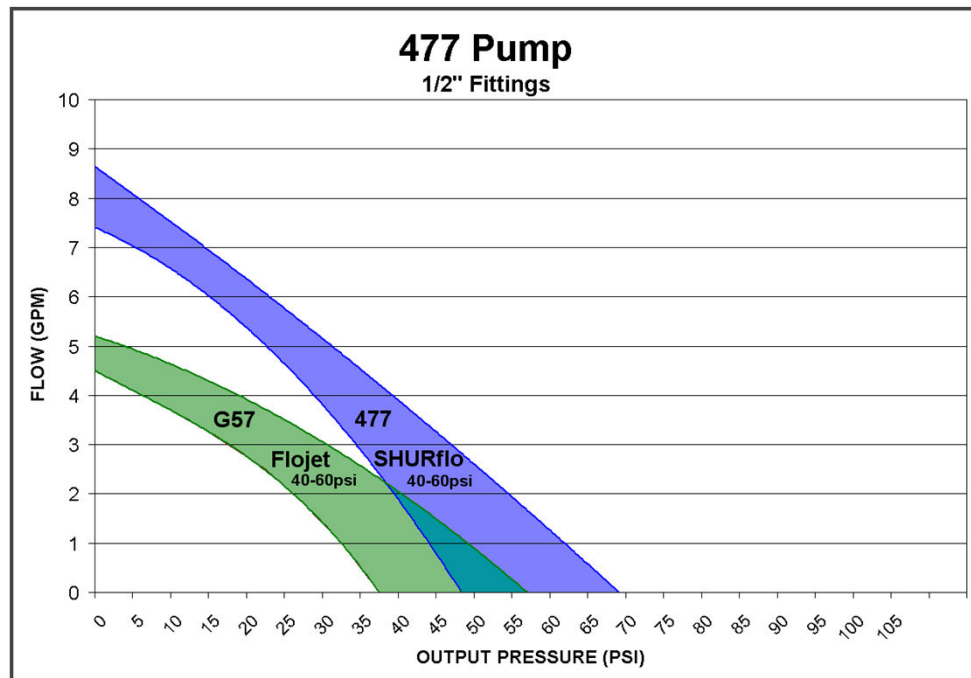
- Flow to 5.3 GPM (15 l/min)
- Pressure to 60 PSI (3.06 bar)
- Automatic Demand Switch and/or Bypass
- 12-24 Vdc. 115 Vac Motor in development
- Body—Polypro
- Santoprene or Geolast Diaphragm
- Viton or Epdm Valves.
- Self-Priming to 6 ft (2.6 m)
- Built-In Check Valve
- Can Run Dry Without Damage
- ½" MNPT Inlet and Outlet Ports



477 AODD Pump

Provides Flow, Pressure, Stall-proof design features and life of more costly Heavy Duty AODD pumps, in a G57 size range and price point.

- Rapid Market Entry through Car Wash Market/Automotive Service Focus-Highly competitive against G57 in performance.
- Sustained Sales Growth through GI OEMs and distribution- Highly competitive in cost against Heavy Duty AODDs



Industrial NPD Update

477 AODD PUMP Benefits



Current Detriment	Shurflo Solution
Stalling	Advanced Dual Spool Valve switching mechanism-no over center mechanicals
Freezing	Baffled Exhaust-No moisture build up-No Muffler required
Performance	Higher flow / Higher pressure by design
Life	Higher displacement per stroke
Service	Drop-in replacement, same ease as G57

SHURFLO Industrial

1100 Series High Flow Electric Diaphragm

- Flow to 10.7 GPM (40.5 l/min)
- Pressure to 25 PSI (1.7 bar)
- 12 Vdc Motor
- Body–Polypro
- Santoprene Diaphragm
- Viton or Epdm Valves.
- Includes Manual on/off Toggle Switch
- Self-Priming to 12ft (3.6 m)
- Can Run Dry Without Damage
- Built-In Internal Bypass
- Includes 12FT Cable with Inline Fuse and Battery Clips
- 2" Inlet and 1" Outlet Ports



SHURFLO Industrial

9300 Series

Deep Well Submersible

- Flow to 117 GPH (443 l/hr)
- Head to 230 ft (66m)
- Up to 28Vdc Motor
- Performance Directly Proportional to Voltage Supply
- Maximum Submergence 100 ft (28.7m)
- Fits 4" Well Casing or Larger
- Self Cooling Design (No Shroud Required)
- Body in Polypro & Diaphragm in Santoprene
- Elastomers in EPDM & Santoprene
- Can Run Dry Without Damage
- ½" Discharge (12mm) Hose Barb



SHURFLO Industrial

Motors Permanent Magnet

- Controllable Speed
- To 5000 rpm in Fractional Horsepower
- 3" Diameter
- Shaft and Mounting Options
- Low Amp Draw
- Voltages – 12 Vdc, 24Vdc, 36Vdc, 115Vac, 230 Vac
- Class H Insulation



SHURFLO Industrial

Accessories

- Designed for use with SHURflo Pumps

- Fittings



- Inlet Strainers

- 50 Mesh Stainless Screen
- ½" FPT X ½" Hose Barb or ½" MPT
- 3/8" MPT X 3/8" MPT available
- Elastomers in Viton, EPDM, or Buna
- Nylon Bowl
- Polypropylene Housing



- Accumulator Tanks

- Size Options:
 - 24Oz Nylon/Butyl
 - 2 Gallon Stainless Steel
- NSF rated Materials
- 20 to 125 psi

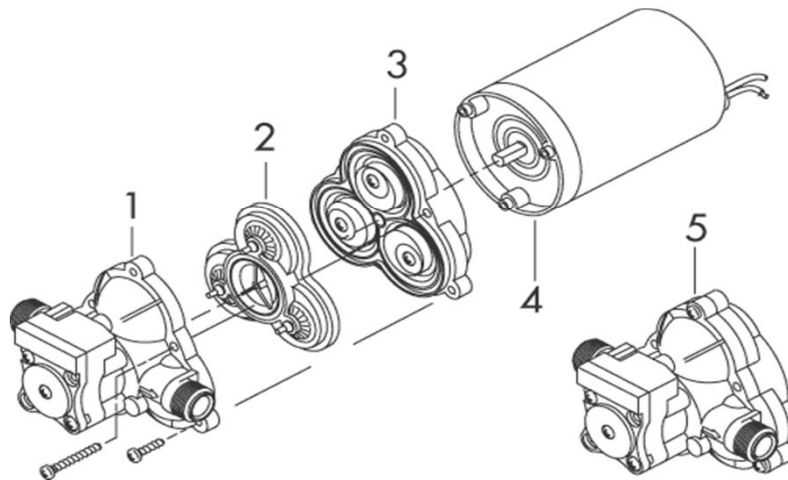


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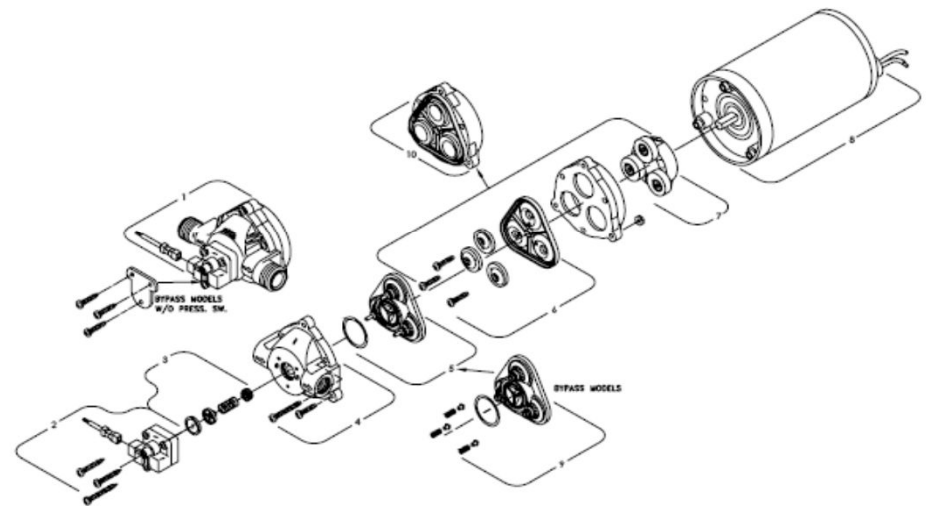
SHURFLO Industrial

Service Kits

2088 Series



8000 Series



SHURFLO Industrial

Chemical Compatibility

Chemcrt.xls

	ELASTOMERS					METALS			PLASTICS								
	EPDM	SANTOPRENE	BUNA	NYLON	GEOLAST	CARBON STEEL	302 STAINLESS STEEL	304 STAINLESS STEEL	316 STAINLESS STEEL	POLYPROPYLENE	NYLON	PORON	POLYSULFONE	CELCON	ABS	ZITEL 101	RYTON
CHEMICALS																	
Absolut Alcohol *	A	A	A	A	A												
Acetaldehyde	B		D	D		C	A	A	A	A	A				D	B	A
Acetamide	A		A	B		C	B	A	A	A							A
Acetate Solvents	A	A	D	D	A		B	D	A								A
Acetic Acid	A	A	C	A	C		B	B	D	A	A	A	A	A	A	C	A
Acetic Acid, 10%	A		B	A			B	A	A	C			A				A
Acetic Acid, 20%	A	C	B				B	A	A	D	A		A				A
Acetic Acid, Glacial	B		C	D	B	A	B	A	A	D	A				D		A
Acetone	A	A	D	D	D	A	A	A	A	A	A	A	A	A	D	B	A
Acetonitrile	A	A	C	B			A	C									A
Acetophenone	A		D	D					B						D		A
Acetyl Acetone	A		D	D													
Acetyl Bromide	D		D	A							D						
Acetyl Chloride	D		D	A			C	A	D	D							A
Acetylsalicylic Acid	A		A	A						A	A						
Adipic Acid			A		A												
Aero Lubriplate *	D		A	A													
Aero Safe 2300 *	A	A	D	D	D												
Aero Shell TAC Grease *	D		A	A													
Aero Shell 750 *	D		B	A													
Alcohol - Amyl	A	B	A			B	A	A	A	B	A	A	A				A
Alcohol - Benzyl	C		D	A				A	A	C	A						A
Alcohol - Butyl	A	A	A	B	B	A	A	A	A	A	A	A	A				A
Alcohol Diacetone	A		D	D		A	A	A	D	A							
Alcohol Ethyl	A	C	A	A	A	A	A	A	A	A	A	A					
Alcohol Hexyl	C		A	A		A	A	A	A	A							
Alcohol Isobutyl	A	A	A	A		A	A	A	A	A							
Alcohol Isopropyl	A		B	A	A	A	A	A	A	A					D		
Alcohol Methyl	A	A	B	A	A	A	A	A	A	A							A
Alcohol Octyl	A		B	B		A	A	A	A						D		A
Alcohol Propyl	A	A	A	A			A	A	A	B	A						A
Aluminum Chloride	A	A	A		B	B	D	C	A	D	A						A
Aluminum Chloride 20%	A	A	A	A		A	A	D	C	A							A
Aluminum Hydroxide	A		A	A	A		A	A	A	A	A						
Aluminum Nitrate	A	A	A	A	A		A	A	A	A	A						A
Aluminum Phosphate	A	A	A	A	A		A	A	A	A	A						
Aluminum Potassium Sulfate (Alum)	A	A	A	A	A	A	D	A	A								
Aluminum Potassium Sulfate 10%	A	A	A	A			A		A	A							

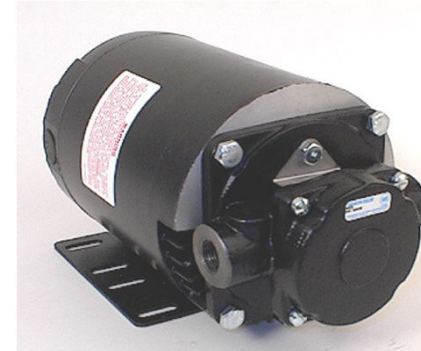
Page 1

SHURFLO Heavy Industrial Pump Products

- Gear pumps



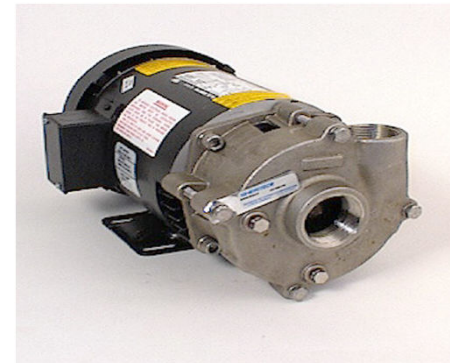
- Roller pumps



- Flexible impeller pumps



- Centrifugal pumps



SHURFO Heavy Industrial Products & Applications

Centrifugal Pumps



Centrifugal Pumps

- SS, Bronze, Cast Iron
- Polypropylene, Noryl
- 1/3 to 3 HP
- Up to 170 GPM
- Up to 148 Feet of Head
- Fluid Temps to 250° F

Applications:

Chemical Process
Solvent Recovery
Booster Systems
Parts Washers
Surface Cleaning
Heat Exchangers

Gear Pumps



Gear Pumps

- SS, Bronze, Cast Iron
- 1/3 to 3 HP
- Up to 24 GPM
- Up to 200 PSI
- Fluid Temps to 375° F
- Viscosities - 100,000 SSU

Applications:

Lubrication
Hot Oil
Filtering
Liquid Circulation
Viscous Fluids

Roller Pumps



Roller Pumps

- Cast Iron, Ni-Resist, Silver Series
- 1/3 to 1.5 HP
- Up to 8 GPM
- Up to 40 PSI
- Fluid Temps to 375° F

Applications:

Lubrication
Hot Oil
Filtering
NSF

High Flow Centrifugal

316SS / Bronze / Cast Iron Series

- Max Flow Rate 170 GPM
- Max Pressure 36 PSI (83 Ft)
- Port Sizes (1"-2" / $\frac{3}{4}$ "-1- $\frac{3}{4}$ ")
- Various Mech. Seal Options
 - V: Viton, SS Case, Carbon/Ceramic
 - B: Buna N, SS Case, Carbon/Ceramic
 - C: Viton, SS Case, Silicon Carbide

316SS Series

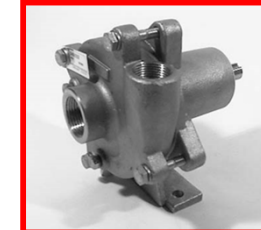
- 316SS Housing, Impeller & Shaft

Bronze Series

- Bronze Housing & Impeller

Cast Iron Series

- Cast Iron Housing & Impeller



High Flow Centrifugal

316SS / Bronze / Cast Iron Series

Features

Open Impellers

Close Coupled to 56J motor
(Not small DC series)

Type 2100 mechanical seal
(Not small DC series)

Optional Pedestal Mount
(Not small DC series)

Rotate pump head in 90 degree
increments

Stainless Steel Shaft

Benefits

Solids Handling

Compact Size and multiple options

Higher inlet pressures

For pulley or gas engine

Multiple mounting configuration

Excellent corrosion resistance

High Flow Centrifugal

316SS / Bronze / Cast Iron Series

Typical Applications

Circulation of purified water or chemicals

Industrial Surface Cleaning

Industrial Chillers

Filtration Systems

Parts Washers

Water Treatment Systems

Booster Systems

Spraying Systems

Solvent Recovery

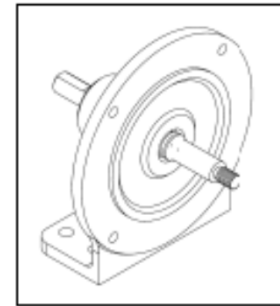
Chemical Process

Marine Cooling & Circulation Systems

Self-Priming High Flow Centrifugal

High Flow Metallic Self-Priming Series

- Max Flow Rate 130 GPM
- Max Pressure 27 PSI (63 Ft)
- Port Sizes 1-1/2" Inlet & Outlet
- Various Mech. Seal Options
 - V: Viton, SS Case, Carbon/Ceramic
 - B: Buna N, SS Case, Carbon/Ceramic
 - C: Viton, SS Case, Silicon Carbide
 - T: Teflon, SS Case,
- Cast Iron, 316 SS or Bronze Housing & Impeller
- 300 Series Stainless Steel Shaft
- Pedestal Base Option



Optional Pedestal Base



Self-Priming High Flow Centrifugal

316SS / Bronze / Cast Iron Series

Features

Self-Priming

Open Impellers

Close Coupled to 56J motor

Mechanical seal

Optional Pedestal Mount

Stainless Steel Shaft

Benefits

Flooded Suction not required

Solids Handling

Compact Size and multiple options

Longer Seal Life

For pulley or gas engine

Excellent corrosion resistance

Self-Priming High Flow Centrifugal

316SS / Bronze / Cast Iron Series

Typical Applications

Circulation of purified water or chemicals

Industrial Surface Cleaning

Industrial Chillers

Filtration Systems

Parts Washers

Water Treatment Systems

Booster Systems

Spraying Systems

Solvent Recovery

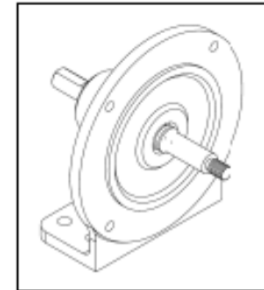
Chemical Process

Marine Cooling & Circulation Systems

High Head Centrifugal

Metallic 316 SS, Bronze & Cast Iron Series

- Max Flow Rate 118 GPM
- Max Pressure 64 PSI (148 Ft)
- Port Sizes 1" to 1-1/2" Inlet & Outlet
- Various Mech. Seal Options
 - V: Viton, SS Case, Carbon/Ceramic
 - B: Buna N, SS Case, Carbon/Ceramic
 - C: Viton, SS Case, Silicon Carbide
- Cast Iron, 316 SS or Bronze Housing & Impeller
- 300 Series Stainless Steel Shaft
- Pedestal Base Option



Optional Pedestal Base



High Head Centrifugal

316SS / Bronze / Cast Iron Series

Features

Closed Impellers
Close Coupled to 56J motor
Type 2100 mechanical seal
Optional Pedestal Mount
Rotate pump head in 90 degree increments
Stainless Steel Shaft

Benefits

Higher Head Pressures
Compact Size and multiple options
Higher inlet pressures
For pulley or gas engine
Multiple mounting configuration
Excellent corrosion resistance

High Head Centrifugal

316SS / Bronze / Cast Iron Series

Typical Applications

Circulation of purified water or chemicals

Industrial Surface Cleaning

Industrial Chillers

Filtration Systems

Parts Washers

Water Treatment Systems

Booster Systems

Spraying Systems

Solvent Recovery

Chemical Process

Marine Cooling & Circulation Systems

High Head Centrifugal

Noryl & Polypropylene Series

- Max Flow Rate 125 GPM
- Max Pressure 40 PSI (95Ft)
- Port Sizes 1-1/2" Inlet & Outlet
- Various Mech. Seal Options
 - A: Viton, Noryl Case. Carbon Ceramic
 - X: Viton, Noryl Case. Silicon Carbide
 - V: Viton, SS Case, Carbon/Ceramic
 - B: Buna N, SS Case, Carbon/Ceramic
 - P: Viton, Polypropylene Case, Carbon/Ceramic
 - C: Viton, Polypropylene Case, Silicon Carbide
 - N: Neoprene, Polypropylene Case. Carbon/Ni-Resist
 - H: High Pressure Buna N, SS Case, Carbon/Ceramic
- Noryl or Polypropylene Housing & Impeller
- 300 Series Stainless Steel Shaft



High Head Centrifugal

Noryl & Polypropylene Series

Features

Non-metallic Poly or Noryl Seal
Closed Impellers
Close Coupled to 56J motor
Optional Pedestal Mount
Polypropylene or Noryl
Construction
Buna-N or Viton Elastomer

Benefits

Isolates all metal parts from liquid contact
Higher head capabilities
Compact Size and multiple options
For pulley or gas engine
Offers wide range of chemical
compatibility
Excellent corrosion resistance

High Head Centrifugal

Noryl & Polypropylene Series

Typical Applications

Plating

Fume Scrubbers

Chemical Transfer

Industrial Chillers

Filtration Systems

Parts Washers

Water Treatment Systems

Solvent Recovery

Circulation of Pure Water or Chemicals

Centrifugal Small DC

High Flow Small Metallic DC Series

316 Stainless Steel or Bronze

- Max Flow Rate 24 GPM
- Max Discharge Head 25 Ft
- Port Size ($\frac{3}{4}$ " Inlet & Outlet)
- Viton Lip or Mech. Seal (Carbon/Ceramic)
- 316SS or Bronze Housing, Impeller & Shaft
- 12v, 24v & 36v Available
- UL Recognized



Gear Pumps

- Heavy Duty 316 Stainless Steel Series
- Heavy Duty Bronze Series
- Heavy Duty Cast Iron Series
- N & NG Series – NSF Listed
- Carbonator Series
- Light Duty Pedestal Series

Gear Pumps

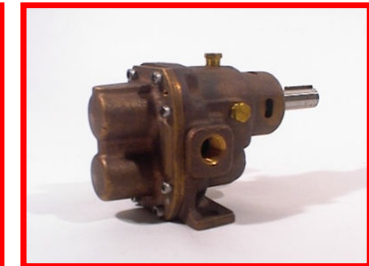
HD 316 SS Series

- Max Flow Rate 24 GPM
- Max Pressure 125 PSI
- Port Sizes 3/8" – 1"
- PPS (Ryton) Gears



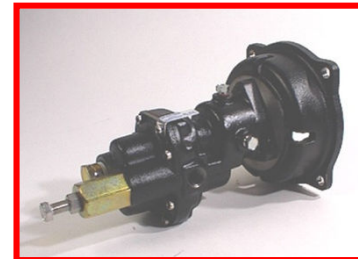
HD Bronze Series

- Max Flow Rate 24 GPM
- Max Pressure 125 PSI
- Port Sizes 1/4" – 1"
- PPS (Ryton) Gears



HD Cast Iron Series

- Max Flow Rate 24 GPM
- Max Pressure 175 PSI
- Port Sizes 1/4" – 1"
- Steel Gears



Gear Pumps

HD 316SS / HD Cast Iron / HD Bronze Series

Features

Close-coupled to NEMA “C” face motor
Pedestal versions

Spline drive shaft
(Keyed on 316 SS Series)

Relief valve is standard
(N/A on 316 SS Series)

Mechanical seal

Ball bearing shaft support
(Only on pedestal mount versions)

Carbon bushings
(None on HD Cast Iron Series)

Benefits

Compact coupling to standard motors
Optional drives for metering and high viscosity applications

High torque capabilities to withstand start/stop operations

Safeguards against overpressure

High vacuum and long term reliability

Allows pump concentricity and allows “floating” gear design

Reduce wear for added longevity

Gear Pumps

NG Series

- NSF Listed
- Max Flow Rate 11 GPM
- Max Pressure 50 PSI
- Port Sizes 1/2" – 3/4"
- Cast Iron Body & Cover
- Stainless Steel Gears & Shafts
- Viton Mech. Seal (Carbon on Ni-Resist)
- Max Temp 375 Degrees F



SHURFLO Industrial

NG Series – NSF Listed Pumps

Features

Non- clogging design

Helical Gears

Compact design

Mechanical Seals

Standard relief valve

NEMA 56C mounting

Oversized ball bearings and
carbon bushings

Cast Iron Construction

Thermal Overload

SS Gears/Shafts

Benefits

Eliminates downtime due to locked up pump

Quiet, non-clogging operation

Fits into tight places

High vacuum, long term reliability

Safeguards against pressure buildup

Convenient close-coupled mounting

Reduces wear to pump internals

Long life at high temperatures

Protects motor

Prevents corrosion with contaminated waste
oil

Flexible Impeller Pumps

316SS Close Coupled Series

- Max Flow Rate 37.5 GPM
- Max Pressure 25 PSI
- Port Sizes $\frac{3}{4}$ " – $1\frac{1}{4}$ "
- Viton Mech. Seal (Carbon on Ceramic)
- 1725 & optional 3450 RPM Motors



Bronze Close Coupled Series

- Max Flow Rate 37.5 GPM
- Max Pressure 25 PSI
- Port Sizes $\frac{1}{2}$ " – 1"
- Buna N Lip Seal
- 1725 & optional 3450 RPM Motors



Bronze Pedestal Series

- Max Flow Rate 35 GPM
- Max Pressure 25 PSI
- Port Sizes $\frac{1}{2}$ " – 1"
- Buna N Mech. Seal (Carbon on Ceramic)



Flexible Impeller Pumps

316SS Close Coupled Series

Features

Built-in cam profile

Standard Viton Mechanical Seal

Nitrile Impeller

Replaceable 316 SS Teflon coated wear plates

Concave 316 SS manifold

Self Priming Impeller

Benefits

Extends impeller life

Allows for higher vacuum capabilities

Offers resistance to petroleum based fluids

Lengthens housing life

Protects impeller against intermittent dry run

Allows for pulse free flow with the ability to pass small particles, pump mild abrasives, and move shear sensitive or viscous fluids

SHURFLO Heavy Industrial

Bronze Close Coupled Series

Features

Counter Balanced Handle Assembly

Standard Nitrile Lip Seal and o-rings

Nitrile Impeller

Stainless Steel shafts, cover, and wear plates

Self Priming Impeller

Benefits

Ease of portability

Superior sealing capabilities

Offers resistance to petroleum based fluids

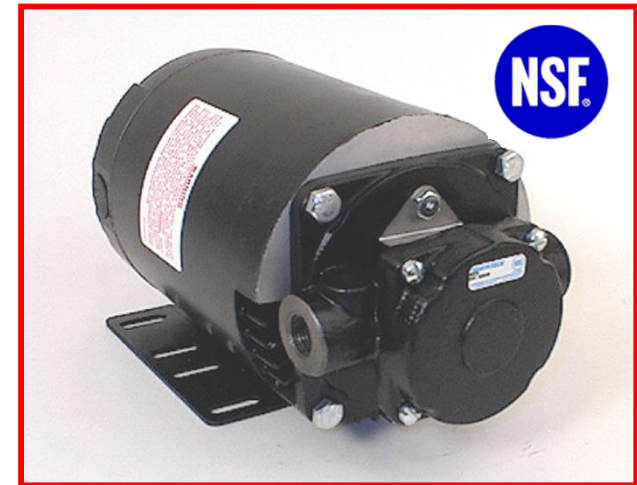
Extends life of pump assembly

Allows for pulse free flow with the ability to pass small particles, pump mild abrasives, and move shear sensitive or viscous fluids

Roller Pumps

NR Series

- NSF Listed
- Max Flow Rate 8.1 GPM
- Max Pressure 50 PSI
- Port Sizes 1/2" – 3/4"
- Cast Iron Body, Cover & Rotor
- Teflon Rollers
- Viton Mech. Seal (Carbon on Ni-Resist)
- Max Temp 375 Degrees F



Roller Pumps

NR Series – NSF Listed Pumps

Features

Non- clogging design
Consistent high vacuum
Teflon Rollers
Compact design
Mechanical Seals
Bi-rotational flow
Best value in the marketplace
Handles shear sensitive oils
Easy to service
Cast iron construction
Thermal Overload
Adjustable Port Locations

Benefits

Eliminates downtime due to locked up pump
Maximizes speed and efficiency of filtration
Increased life and quiet operation
Fits into tight places
High vacuum, long term reliability
Allows the operator to fill and refill
Low purchase cost and long term reliability
Extends life of oil
Low maintenance cost
Long Life at high temperatures
Protects motor
Various installation configurations
