



Industrial Pumps and Valves Catalogue

A GLOBAL LEADER IN PUMP & VALVE SOLUTIONS

xylem
Let's Solve Water

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INDUSTRIAL PUMPS AND VALVES

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An Introduction to Pumps 01

How to specify a pump
CE Marking
Iconography
How our pumps work



01 An Introduction to Pumps

INTRODUCTION

How To Specify A Pump

The first step toward selecting the right pump is to develop the specifications for the pump. This involves knowledge of the application and the chemical solution for pumping. The following tips will be helpful in determining the right pump for any specific application. Please refer to the Engineering Data and Tables at the end of this catalog to assist you in this process.

FLOW

"Flow" is defined as the rate at which you want the liquid pumped. Several factors dictate the flow requirements in an application. Some of these are the size of the nozzle for spraying, cycle time for transferring and volume of the liquid per cycle for dispensing applications. In case there is a choice, it is always advisable to choose a lower flow rate which will increase the life and reliability of the pump.

HEAD/PRESSURE

Head or pressure in combination with the flow rate determine the power of a pump needed for a given application. This is a simple calculation in cases where the discharge is at a higher level than suction, and is determined by the differential height between the liquid level on the suction and discharge side. The pressure needed may also be controlled by the flow required through a nozzle, or other restrictions in the delivery line such as a long or narrow tube. The frictional loss through the tube and the fitting dictates the pressure required at a certain flow. The required pressure also includes difference in the pressure of the suction and the discharge vessel when pumping into a higher-pressured vessel or from a vacuum. As always when pumping at pressure, make sure you choose a pump for the pressure needed in the system. It is also worth noting that high pressure requires pressure-rated tubing and fittings adding to the cost of your overall system as well as the increased risk of leakage.

CONTROL

What turns the pump on and off is an important consideration since running the pump longer than required reduces pump life. For applications where there is a closed valve or a spray wand with a trigger, it is advisable to use a demand pump with a pressure switch to shut the pump off when the valve is closed. Running a positive displacement pump against a dead head could cause immediate failure. For other applications, it is useful to have a bypass system to prevent failure. More complicated pump controls may involve sensors and electronics.

PUMP DRIVER

The decision to choose the right driving source is generally dictated by availability. If the pump is to be motor or solenoid driven, you will need to know the voltage and the frequency of the power source. AC or DC governs the kind of motor needed. The oscillating pumps that run on the cycling of the AC supply cannot work with DC voltages. If you have air available and choose an air driven pump, you need to know the pressure and means of regulating the incoming air to the pumps. In flammable atmospheres, Xylem recommends using an air driven pump properly grounded to prevent the potential of explosion.

CHEMICAL COMPATIBILITY

It is essential to get all the details including the exact composition, temperatures and the concentration of the chemicals to be pumped. This information helps you choose the material of construction for the pumps for chemical compatibility. Corrosion causes leakage and failure. Refer to the chemical compatibility sheet in the back of the catalog as a guide. However, an actual soak test of the materials is strongly recommended before applying the pump.

PRIMING

The pump needs to be primed when it is located above the level of the liquid or where a flooded suction can not be provided. Most positive displacement pumps can self-prime as long as you stay within the limit of its priming capability. If that limit is exceeded, the pump will not prime and hence will not pump. This will lead to a condition where the pump runs without any liquid. This dry running will lead to early failure of the pump if it happens frequently and over extended periods of time.

VISCOSITY

Viscosity is the internal property of fluid that offers a resistance to flow as it is placed under shear or extensional stress. In general, it is the measure of the thickness of the fluid or of the fluid friction when trying to flow. For example water is considered thin, it has low viscosity and can be pumped at higher volumes and speeds in positive displacement pumps whereas oils are higher in viscosity and therefore the pump used or the volumes or pressures possible are lower. Apart from the type of liquid many other factors can either reduce or increase the effect of a viscous fluid. Pump orientation, pump speed, port size, system pipe work dimensions and length can all have an effect.

It is worth noting that viscosity in fluid is also highly temperature dependent. For better pumping, high viscosity fluids can be pumped with certain agitation of the material. Agitation could be as simple as a slight stirring or heating of the medium, but care should be exercised if attempting to alter the viscosity for pumping. Each product to be transferred needs to be considered on its own design characteristics to agitation.

Other important considerations, such as the duty cycle, plumbing and ambient temperature all have a direct bearing on the performance of a pump and need to be clearly understood and defined.

THE IDEAL PUMP FOR YOUR INDUSTRY									
Page	Industrial Flexible Impeller Pumps	Bronze Flexible Impeller Pumps	Drum Emptying Pumps	Hygienic Flexible Impeller Pumps	Rotary Lobe Pumps	Sliding Vane Pumps	Diaphragm Pumps	Centrifugal Pumps	Solenoid Valves
52	60	49	82	114	124	22	132		
This table will help you to identify the products that are most likely to meet your needs. Don't be misled by the other products you may find something which meets your specific requirements.									
Chemical suppliers and users	P	P							
General industry, factory plant	P	P							
Water treatment & utilities	P	P							
Food processing									
Cosmetics & Pharmaceuticals									
Dairy, beverage and soft drinks									
Construction equipment									
Agricultural equipment									

CE Marking



The CE marking is a mandatory conformity mark on many products placed on the single market in the European Economic Area (EEA). The CE marking certifies that a product has met EU health, safety, and environmental requirements, which ensure consumer safety.

By affixing the CE marking, Xylem, its authorized representative, or person placing the product on the market or putting it into service asserts that the item meets all the essential requirements of the relevant European Directive(s).

Products identified in this book as "CE", meet all the relevant requirements and have gone through either internal or external testing to evaluate the product and its documentation.

01 An Introduction to Pumps

ICONOGRAPHY

Iconography



The industry-specific icons shown here serve the same purpose as road signs: They are designed to help navigate through this catalog. The signs help to give direction and, hopefully, a better understanding of the products Xylem offers.

PRIMARY MARKETS



AGRICULTURAL SPRAYING

Many applications around the farm that require spraying, from crop/tree spraying to pest spraying. Product groups with this icon are designed to have the pressure and flow required for such applications.



CARWASH

Pumps designed for car washes are ideally suited for pumping both water and chemicals.



AUTOMOTIVE

Pumps used in this application are perfect for the garage and also on for washing car brakes, transmission fluid transfer, brake fluid change out and windshield washing.



CHEMICAL TRANSFER

Products with this symbol are designed specifically for the harshness of a chemical transfer and to handle full range of chemicals.



ASPHALT PAVING & SWEEPING

Product types with this icon generally have specific products that are designed for the harsh environment and long duty of these applications.



CONSTRUCTION

This icon represents products for the asphalt-street sweepers, asphalt-paving machines, chemical injection in to concrete pouring system and concrete cutting machines



FLOOR CARE

Pumps shown with this icon are used in commercial & consumer rental carpet cleaning machines, self-propelled hard surface scrubbers, water dumping systems and carpet pre-treat sprayers.



PHARMACEUTICAL

Products with this symbol have options designed specifically for the high grade of cleanliness necessary in the pharmaceutical world.



ROAD COMPACTION

Product in this category are particularly suited to road compaction vehicles where liquid spraying is required.



WATER

This symbol represents certain products for use with water transfer, water spraying or water systems.



DIESEL REFUELING OIL & GAS

Products with this logo have been specifically designed for diesel refueling where durability and speed are key.



FOOD & BEVERAGE

Specific products in this group are designed for food grade materials and range in applications from dispensing beer to pumping food over large distances.



FORESTRY

Refueling pumps are used on forestry machines (Harvesters and Forwarders) where environmental considerations are important. Pumps with this icon offer valves and auto shut off devices.



GENERAL PURPOSE

These products have a large range of attributes from high volume water transfer to pumping chemicals.



PERSONAL CARE

Hygienic processing pumps are designed to comply with the stringent requirements of the personal care/cosmetic industry. These pumps are ideal for processing cosmetics, creams, lotions and certain dietary products.

SECONDARY MARKETS



HVAC



HAZARDOUS AREA ENVIRONMENTS



ROBOTICS



STEAM ENVIRONMENTS



PROCESS APPLICATIONS



CRYOGENICS

01 An Introduction to Pumps

HOW OUR PUMPS WORK

Centrifugal

Centrifugal pumps handle high volumes with a smooth and non-pulsating flow. The flow rate can be regulated from maximum output to no flow with no damage to the pump. An excellent pump for general transfer applications.

Low Maintenance: Few moving parts mean that wear due to operation is minimal.

Easy Installation: Compact size for flow rate. Option of port positions simplifies pipe runs.

Versatility: Centrifugal pumps can be built in submersible form.

Low Power Consumption: Electric centrifugal pumps consume less power than most other pump types.



HOW DO THEY WORK?

1. The rotating impeller gives velocity energy to the liquid moving it to the periphery of the volume casing and towards the discharge port.
2. The volute casing discharge arrangement converts velocity energy into static pressure.
3. Centrifugal pumps must be either initially primed or mounted in such a way that liquid is permanently available at the inlet port (eg. submersible pumps).



Mag Drive Centrifugal

Magnetically Driven Pumps handle products where leak free transfer is a must, where high reliability is paramount and purity of the pumped medium must be maintained. The operation is identical to any centrifugal pump except that the need for the shaft seal is eliminated. This is accomplished by driving the impeller with a magnetic coupling rather than directly with the motor shaft. An excellent pump for chemical transfer applications.

Low Maintenance: Few moving parts mean that wear due to operation is minimal.

No Shaft Seal: Removes the leak path to and leak path from the medium being pumped.

Easy Installation: Compact size for flow rate.



HOW DO THEY WORK?

1. The rotating impeller gives velocity energy to the liquid moving it to the periphery of the volume casing and towards the discharge port.
2. The volute casing discharge arrangement converts velocity energy into static pressure.
3. Centrifugal pumps must be either initially primed or mounted in such a way that liquid is permanently available at the inlet port (eg. submersible pumps).



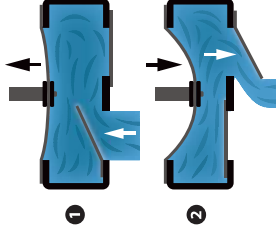
Diaphragm

Xylem Flojet Diaphragm pumps can be found in applications such as spraying, misting, carpet cleaning, water systems, chemical transfer, car wash and many other unique functions. Diaphragm pumps tend to be more robust as they can run dry for extended periods and also do not need a shaft seal so there is less maintenance. Xylem Flojet Diaphragm pumps come in two ranges- air/gas powered and electrically powered. Air/gas powered diaphragm pumps offer great life and superb flow with a small footprint. Electric diaphragm pumps are compact and have a huge range of options for wetted materials, voltage, pressure switch setting and flow. Diaphragm pumps must be used with a coarse strainer to avoid blocking the check valves.



HOW DO THEY WORK?

1. The diaphragm, pulled by the movements of a piston or a handle causes a partial vacuum, opening the inlet port and closing the outlet, drawing in liquid.
2. Downward movement of the diaphragm pressurizes the liquid, closing the inlet valve and opening the outlet valve through which liquid is expelled by pressure.



Flexible Impeller

The flexible impeller pump combines the priming features of positive displacement type pumps with the general transfer ability of centrifugals. It will pump either thin or viscous liquids and can handle more solids in suspension than other types of rotary pumps. The pump can be mounted at any angle and will pump in either direction with equal efficiency.

Self-Priming: Pumps instantly with dry suction lifts up to 10ft (3m) and up to 25ft (8m) when wetted.

Simplicity: One moving part - a tough, long-life, wear-resistant flexible impeller.

Flexibility: The flexible impeller pump offers both high flow and high pressure according to motor and impeller design.



HOW DO THEY WORK?

1. As the flexible impeller blades contact the offset cam they bend via a squeezing action that provides a continuous and uniform flow.
2. As the impeller rotates, each successive blade draws in liquid and carries it from intake to outlet port.
3. Flexible impeller blades create a nearly perfect vacuum for instant self-priming.



How our pumps work

An Introduction to Pumps 01

01 An Introduction to Pumps

HOW OUR PUMPS WORKS

Rotary Lobe

Xylem Jabasco lobe pumps use two counter-rotating rotors that create a steady, positive pumping action. But, as the rotors never touch each other or the pump case, Jabasco hygienic lobe pumps will not contaminate or degrade the fluid. What comes out is what goes in; no more, no less.

FEATURES:

Hygiene Standards: Crevice-free designs, external gears & bearings, together with all stainless-steel contact parts & high surface finishes, surpass users' hygiene and cleanliness expectations.

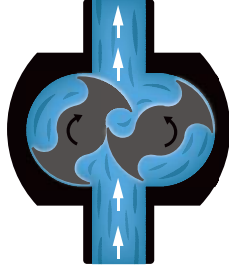
Reliability: Lobe pumps offer long-term dependability with minimal cost of servicing and replacement parts.

Application Capability: Lobe pumps generate the highest pressures and flow rates delivered by any of the ITT-Jabasco product range. Highly viscous, shear-sensitive liquids and suspended soft solids will not be degraded.



HOW DO THEY WORK?

1. Fluid is drawn into the pump and completely fills the space between the rotors.
2. Held between the rotor lobes and the pump case, closed cells of fluid are carried smoothly through the pump.
3. The intermeshing rotor lobes positively displace the fluid volume, generating flow and overcoming the discharge pressure.



Sliding Vane

Sliding Vane pumps are designed for the transfer of diesel fuel and light oils, and can also be used for high pressure pumping of water, detergents and other fluids. Many have excellent priming capabilities that enable them to be mounted high on construction machines and prime through strainers and check valves.



HOW DO THEY WORK?

1. The rotor is eccentric to the rotor bore and the vanes slide outwards by the centrifugal force induced by the turning rotor.
2. As the rotor turns from the top to the bottom of the body bore, a partial vacuum is created by the increasing volume of the cell. This allows atmospheric pressure to push liquid into the pump.
3. The liquid is then transferred to the discharge side of the pump. As the rotor turns from the bottom to the top of the body bore, pressure is created by the reducing volume of the cell, and forces the liquid out of the discharge port.

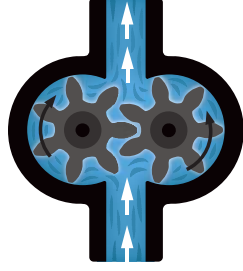


Gear

Gear pumps are ideal for the transfer of hydraulic and light oils, water and diesel fuel. They are 12 or 24VDC powered making them suitable in automotive, bus and truck applications.

HOW DO THEY WORK?

1. One gear is driven by an external power source (the driver) and this meshes with the driver gear. The gears are enclosed in a close fitting casing and the radial and axial clearance is controlled.
2. As the gears rotate, a partial vacuum is created in the suction port allowing atmospheric pressure to push liquid into the pump.
3. Liquid is transferred around the periphery between the gear teeth and discharged into the discharge port.



Centrifugal Pumps 02

- Stainless Steel
- Circulation
- Mag Drive
- Submersible



FLOJET

02 Centrifugal Pumps

STAINLESS STEEL PUMPS



CYCLONE™ STAINLESS STEEL CENTRIFUGAL PUMP



FOR INTERNATIONAL & US MARKETS

The combination of reliability, performance, and silent operation is what makes the Cyclone™ range the class leader and why these robust pumps are supported by many major customers and OEMs worldwide. The Hybrid Cyclone™ model was developed in response to industry application requirements and our customers needs to increase the pump's versatility and performance criteria.

FEATURES

- Heavy duty robust design
- Stainless steel construction
- Long life DC motor
- Silent running
- Anti-log impeller design
- Long life mechanical seal
- Single tool servicing
- 6.56 feet (2 meters) suction lift when wet

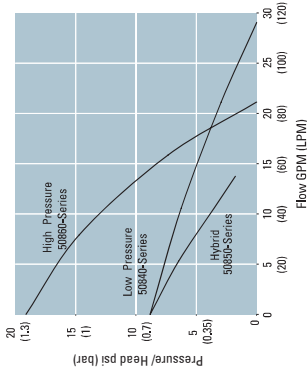


GAS WARNING

No pump manufactured by Xylem should be used for gasoline or any fluid with a flash point below 100° F (38° C)

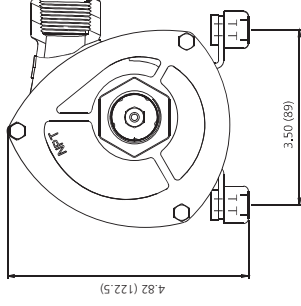


PERFORMANCE



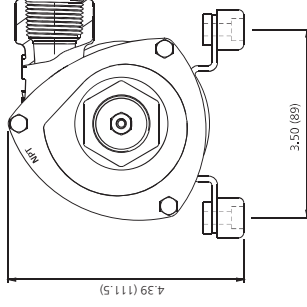
50840 SERIES DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



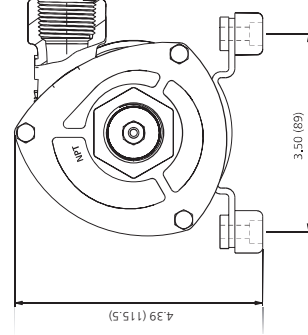
50850 SERIES DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



50860 SERIES DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



SPECIFICATION

MODEL #S	CERTIFICATION	DESCRIPTION	VOLTAGE	FUSE SIZE	PORT FITTING	OPEN FLOW	RECOMMENDED DUTY	MOTOR LIFE
50840-0012	CE	CYCLONE LOW PRESSURE	12V	10	3/4" (19mm) NPT	31GPM/120LPM	Continuously rated	3500 HOURS
50840-0024	CE	CYCLONE LOW PRESSURE	24V	5	3/4" (19mm) NPT	31GPM/120LPM	Continuously rated	3500 HOURS
50840-2012	CE	CYCLONE LOW PRESSURE	12V	10	3/4" (19mm) BSP	31GPM/120LPM	Continuously rated	3500 HOURS
50840-2024	CE	CYCLONE LOW PRESSURE	24V	5	3/4" (19mm) BSP	31GPM/120LPM	Continuously rated	3500 HOURS
50850-0012	CE	CYCLONE HYBRID	12V	7	3/4" (19mm) NPT	13GPM/50LPM	Continuously rated	3500 HOURS
50850-2012	CE	CYCLONE HYBRID	12V	7	3/4" (19mm) BSP	13GPM/50LPM	Continuously rated	3500 HOURS
50850-02124	CE	CYCLONE HIGH PRESSURE	24V	5	3/4" (19mm) BSP	13GPM/50LPM	Continuously rated	3500 HOURS
50860-0012	CE	CYCLONE HIGH PRESSURE	12V	25	3/4" (19mm) NPT	21GPM/80LPM	30 MINUTES ON, 30 minutes off	2500 HOURS
50860-0024	CE	CYCLONE HIGH PRESSURE	24V	15	3/4" (19mm) NPT	21GPM/80LPM	30 MINUTES ON, 30 minutes off	2500 HOURS
50860-2012	CE	CYCLONE HIGH PRESSURE	12V	25	3/4" (19mm) BSP	21GPM/80LPM	30 MINUTES ON, 30 minutes off	2500 HOURS
50860-2024	CE	CYCLONE HIGH PRESSURE	24V	15	3/4" (19mm) BSP	21GPM/80LPM	30 MINUTES ON, 30 minutes off	2500 HOURS

02 Centrifugal Pumps

CIRCULATION PUMPS



COMMERCIAL CIRCULATION PUMP 59510 SERIES

FOR INTERNATIONAL & US MARKETS

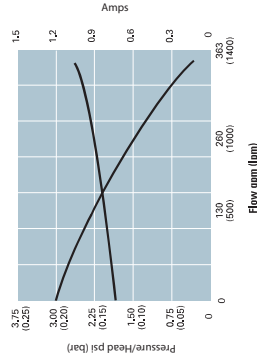


APPLICATIONS

- 12.5 liters/min (3.3GPM) @ 0.12 Bar (1.74PSI)
- Magnetic Drive - sealed pump chamber
- Ignition protected
- Meets EMC requirements
- Connections for 19mm (3/4") ID Hose
- Continuously rated
- Pumps water at 212°F (100°C)
- Long life brushless DC motor



PERFORMANCE

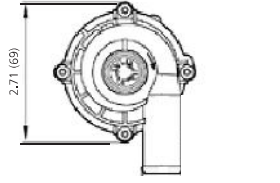
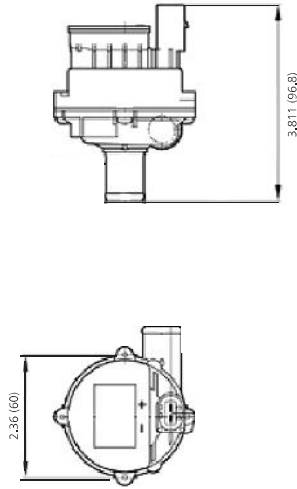


MODELS

MODEL #S	CERTIFICATION	VOLTAGE	FUSE SIZE	CURRENT DRAW	CABLE LENGTH	MINIMUM WIRE SIZE
59510-0012	CE	12VDC	2A	1.2A	0 - 8 m (0 - 27 ft), 8 - 15 m (27 - 50 ft)	1 in ² (2.5 mm ²) 1.6 in ² (4.0 mm ²)
						AWG 12 AWG 10

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



COMMERCIAL CIRCULATION PUMP 59520 SERIES

FOR INTERNATIONAL & US MARKETS

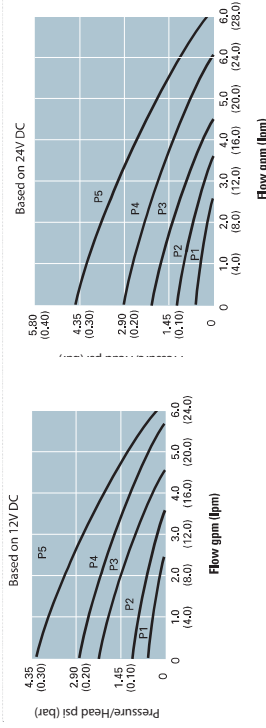


APPLICATIONS

- Up to 5.5 gpm (21 LPM) @ 1.45 psi (0.10 bar)
- Variable flow - 5 speed control
- Ignition protected
- Meets EMC requirements
- Connections for 1/2" (12.7mm) BSP
- Continuously rated
- Pumps water at 176°F (80°C)
- Handles aggressive liquids
- Long life brushless DC motor



PERFORMANCE



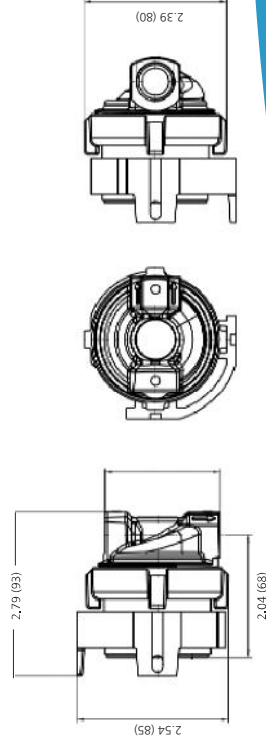
MODELS

MODEL #S	CERTIFICATION	VOLTAGE	FUSE SIZE	CURRENT DRAW	CABLE LENGTH	MINIMUM WIRE SIZE
59520-0000	CE	8-24VDC	2.5A	1.8A	27 - 50ft (8 - 15m), 0 - 27 ft (0 - 8m)	1 in ² (2.5 mm ²) 1.6 in ² (4.0 mm ²)
						AWG 12 AWG 10

*Max Voltage 25V

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



02 Centrifugal Pumps

CIRCULATION PUMPS



COMMERCIAL CIRCULATION PUMP 59530 SERIES

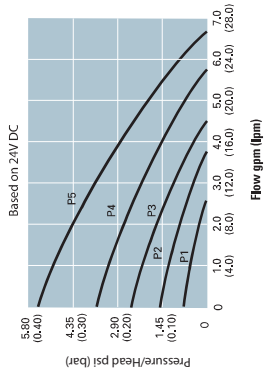
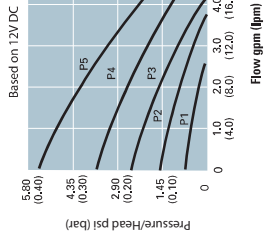
FOR INTERNATIONAL & US MARKETS



APPLICATIONS

- Up to 5.5 gpm (21 LPM) @ 1.45 psi (0.10 bar)
- Variable flow - 5 speed control
- Ignition protected
- Meets EMC requirements
- Connections for 3/4" (19mm) BSP
- Continuously rated
- Pumps water at 176°F (80°C)
- Long life brushless DC motor

PERFORMANCE



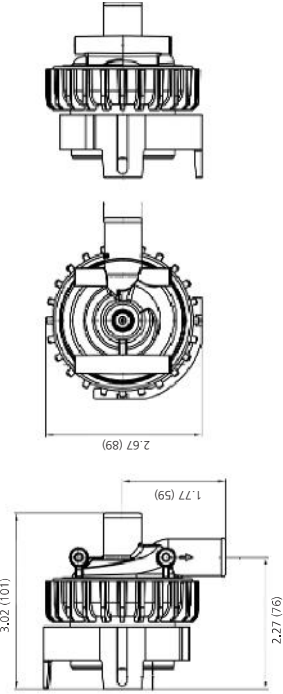
MODELS

MODELS	CERTIFICATION	VOLTAGE	FUSE SIZE	CURRENT DRAW	CABLE LENGTH	MINIMUM WIRE SIZE
59530-0000	CE	8-24VDC*	2.5A	1.8A	8 - 15 m (27 - 50 ft), 0 - 8 m (0 - 27 ft)	.1 in* (2.5 mm) .16 in* (4.0 mm)

*Max Voltage 25V

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



FLOJET

HPR10/15



FOR INTERNATIONAL

Designed for continuous recirculation of carbonated water, aggressive chemicals, chilled water, pure or precious liquids in high pressure systems



FEATURES

- Manufactured in chemically resistant thermoplastics
- Operating at an optimum flow rate of 1.3 gallons/minute (5 liters/minute)
- Magnetic coupling provides an energy efficient thermal shield; minimizing heat transfer to pumped fluid
- Temperature stability and product purity ensured
- Leak-free continuous operation
- IPX5 motor enclosure
- Low condensation
- Zero maintenance
- Long life

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Regenerative Pump
FLOW RATE (RUNOUT)	50 Hz 2.7 GPM (10.1 LPM) 60 Hz 3.04 GPM (11.5 LPM)
BODY PRESSURE	87 psi (6 bar) Max
CLOSED VALVE HEAD	50 Hz 48 ft (14.6 m) 60 Hz 51.8 ft (15.8 m)
MOTOR OUTPUT	60 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to + 185°F (-20°C to + 85°C)
DIMENSIONS	5.6in H x 7.4in L x 3.5in W (143mm H x 193mm L x 90 W)
WEIGHT	6.8 lbs (3.1 kg)

*Assuming maximum viscosity of 30cp. Refer to Tetton Pumps for higher viscosities and specific gravities

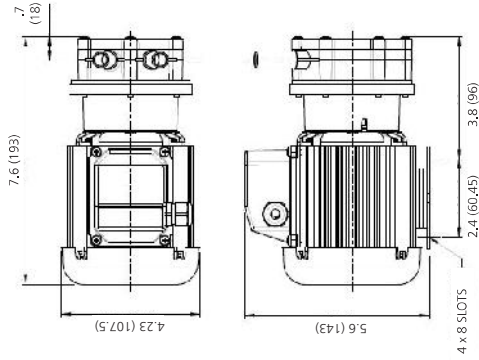
NEW MODELS

MODELS	CERTIFICATION	VOLTAGE	PORT DETAILS
456932	CE	230V 1Ph 50	Plain 15mm
406994	CE	230V 1Ph 50	Plain 1/2"

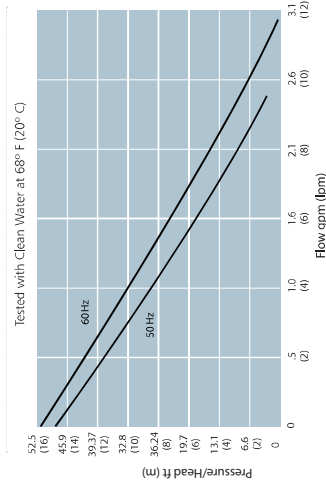
Contact factory for custom models.

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

FLOJET

NEMP20/12



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, high head, continuous flow of aggressive chemicals, acids, Alkalis, solvents, pure and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
466941	CE	230V 1Ph 50Hz	Plain 15mm
456937	CE	110V 1Ph 60Hz	Plain 15mm
425970	UL	100-110V 50/60Hz with UL Cable	3/8" NPT ports
486920	UL	100-110V 50/60Hz with UL Cable	Plain 15mm

Contact factory for custom models.

SPECIFICATIONS

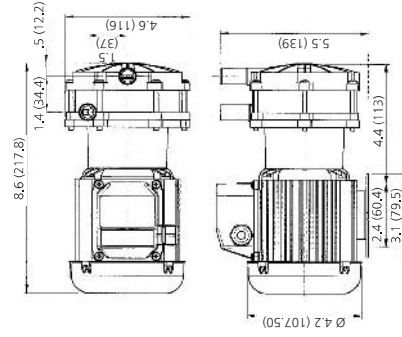
PUMP DESIGN	Multistage Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	4.6 GPM (17.4 LPM)
BODY PRESSURE	36.3 psi (2.5 bar) Max
CLOSED VALVE HEAD	41.6 ft (12.7 m)
MOTOR OUTPUT	60 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 5.6in H x 8.5in L x 4.9in W (143mm H x 218mm L x 116mm W)
DIMENSIONS	
WEIGHT	6.6 lb (3.0 kg)

FEATURES

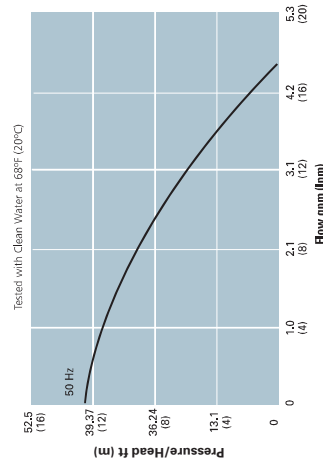
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Multistage versions developed for high head with low flow
- Magnetic couplings provide and energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IPX5 standard motor housing
- Deep groove ball bearings
- Variable pump body orientation and mounting foot positions

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



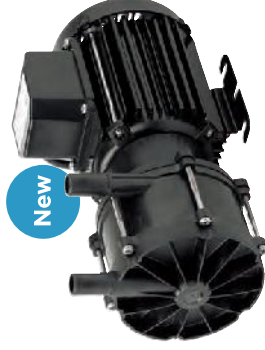
FLOJET

NEMP20/18



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, high head, continuous flow of aggressive chemicals, acids, Alkalis, solvents, pure and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
476927	CE	230V 1Ph 50Hz	Plain 15mm
456943	CE	110V 1Ph 60Hz	Plain 15mm
426971	UL	100-110V 50/60Hz with UL Cable	3/8" NPT ports
456900	UL	100-110V 50/60Hz with UL Cable	Plain 15mm

Contact factory for custom models.

SPECIFICATIONS

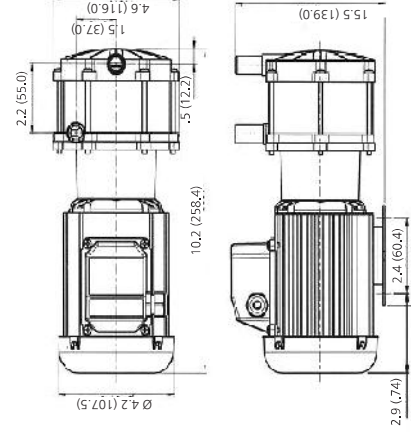
PUMP DESIGN	Multistage Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	4.9 GPM (18.5 LPM)
BODY PRESSURE	36.3 psi (2.5 bar) Max
CLOSED VALVE HEAD	59.1 ft (18 m)
MOTOR OUTPUT	90 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 5.5in H x 10.2in L x 4.4in W (139mm H x 259mm L x 116 W)
DIMENSIONS	
WEIGHT	8.4 lb (3.8 kg)

FEATURES

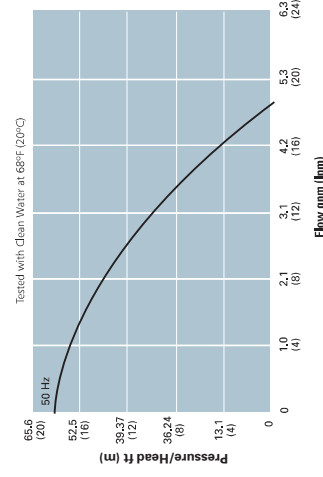
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Multistage versions developed for high head with low flow
- Magnetic couplings provide and energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IPX5 standard motor housing
- Deep groove ball bearings
- Variable pump body orientation and mounting foot positions

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP25/5

FLOJET

NEMP40/4

FLOJET



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
456952	CE	230V 1Ph, 50Hz	Plain 15mm
456950	CE	110V 1Ph, 60Hz	Plain 15mm

Contact factory for custom models.

SPECIFICATIONS

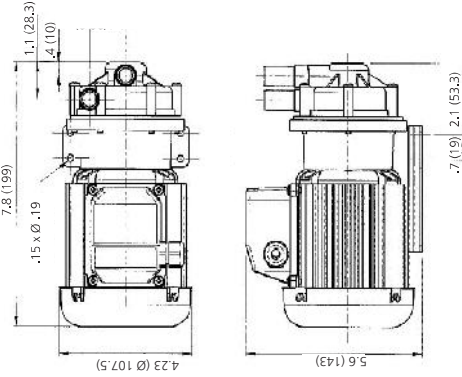
PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	8.5 GPM (32 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	17.4 ft (5.3 m)
MOTOR OUTPUT	35 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 5.6in H x 7.8in L x 4.0in W (143mm H x 199mm L x 102mm W)
DIMENSIONS	
WEIGHT	5.3lb (2.4 kg)

FEATURES

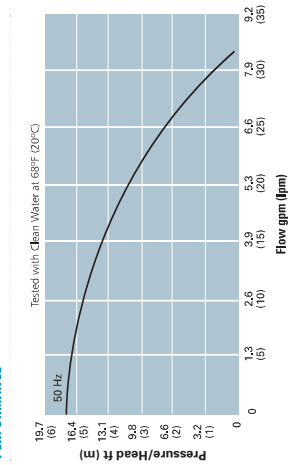
- Manufactured in chemical resistant thermoplastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IPX5 standard motor housing
- Deep groove ball bearings

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.

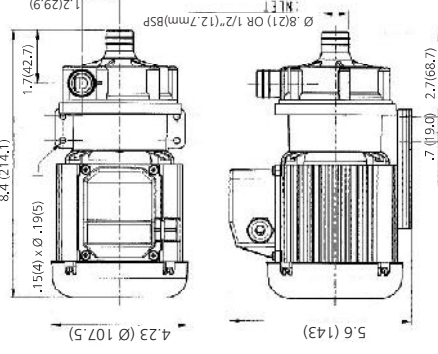


PERFORMANCE

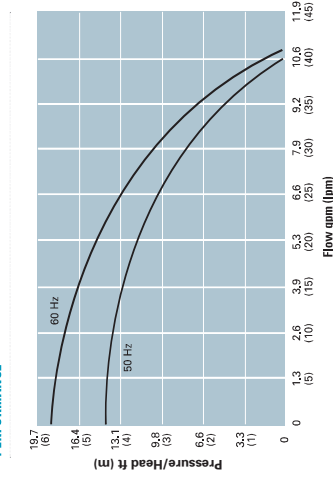


DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities.



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
406913	CE	230V 1Ph, 50Hz	Plain 8in (21 mm)
456957	CE	110V 1Ph, 60Hz	Plain 8in (21 mm)
426973	UL	100-110V 50/60Hz with UL Cable	1/4" (12.7mm) NPT ports
486910	UL	100-110V 50/60Hz with UL Cable	8in (21mm) hose barb ports

Contact factory for custom models.

SPECIFICATIONS

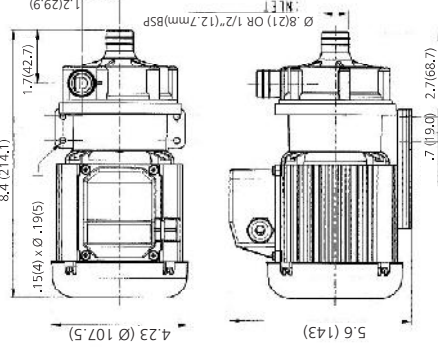
PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 10.6 GPM (40 LPM) 60 Hz: 10.8 GPM (41 LPM)
BODY PRESSURE	20.3psi (1.4 bar) Max
CLOSED VALVE HEAD	50 Hz: 14.4 ft (4.4 m) 60 Hz: 16.7 ft (5.7 m)
MOTOR OUTPUT	30 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	5.6in H x 8.4in L x 4.0in W (143mm H x 214mm L x 102 W)
WEIGHT	5.9lb (2.7 kg)

FEATURES

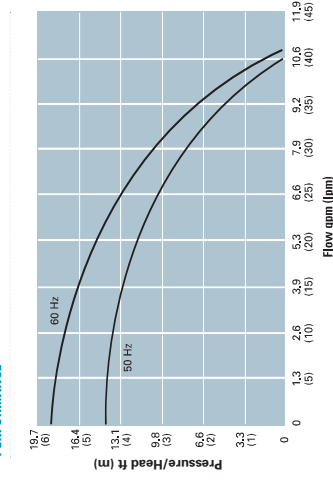
- Manufactured in chemical resistant thermoplastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IP54 standard motor housing, IP55 version available.
- Deep groove ball bearings

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities.

02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP40/6

FLOJET

NEMP50/7

FLOJET



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
456965	CE	230V 1Ph, 50Hz	Plain 15mm
456963	CE	110V 1Ph, 60Hz	Plain 15mm
426974	UL	100-110V 50/60Hz with UL Cable	3/8" NPT ports
456977	UL	100-110V 50/60Hz with UL Cable	Plain 15mm

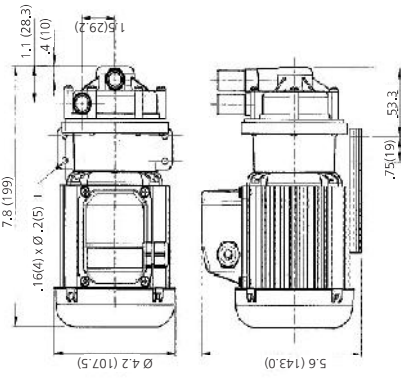
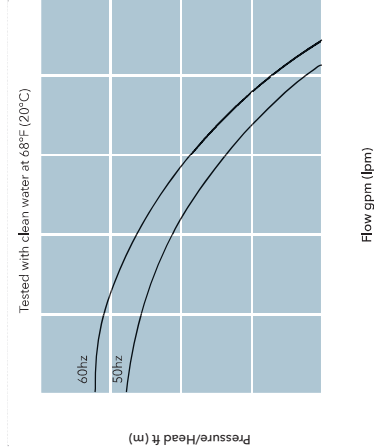
Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 10.6 GPM (40 LPM) 60 Hz: 11.4 GPM (43 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	50 Hz: 18.4ft (5.6 m) 60 Hz: 21.3ft (6.5 m)
MOTOR OUTPUT	60 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to + 85°C)
DIMENSIONS	5.6" H x 7.9" L x 4.0" W (143mm H x 200mm L x 102mm W)
WEIGHT	6.6 lb (3.0 kg)

*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

PERFORMANCE



FEATURES

- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IP55 standard motor housing, IP55 version available.
- Deep groove ball bearings

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
456904	CE	230V 1Ph, 50Hz	Plain .8in (21 mm)
456970	CE	110V 1Ph, 60Hz	Plain .8in (21 mm)
426975	UL	100-110V 50/60Hz with UL Cable	1/2" (12.7) NPT ports
486914	UL	100-110V 50/60Hz with UL Cable	.8 (21mm) hose barb ports

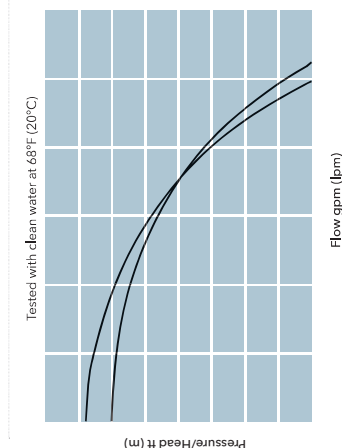
Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 13.2 GPM (50 LPM) 60 Hz: 13.7 GPM (52 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	50 Hz: 19.7 ft (6.0 m) 60 Hz: 22.3 ft (6.8 m)
MOTOR OUTPUT	60 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to + 85°C)
DIMENSIONS	5.6in H x 8.4in L x 4.0in W (143mm H x 214mm L x 102 W)
WEIGHT	6.8 lb (3.1 kg)

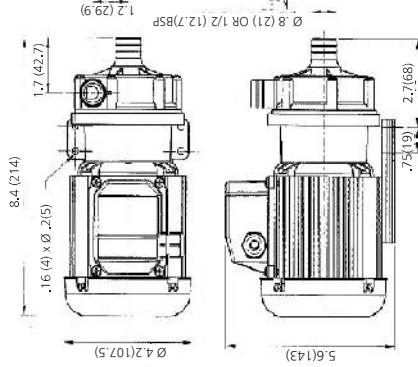
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

PERFORMANCE



DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP50/11

FLOJET

NEMP50/25

FLOJET



FOR INTERNATIONAL MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODELS	CERTIFICATION	VOLTAGE	PORT DETAILS
406946	CE	230V 1Ph 50Hz	3/8" Bsp Male
456903	CE	230V 1Ph 50Hz	Plain 15mm

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Double-ended Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	13.2 GPM (50 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	36.1 ft (11 m)
MOTOR OUTPUT	90 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	5.1 H x 11.0 L x 5.2 W (130mm H x 280mm L x 132mm W)
WEIGHT	8.4 lb (3.8 kg)

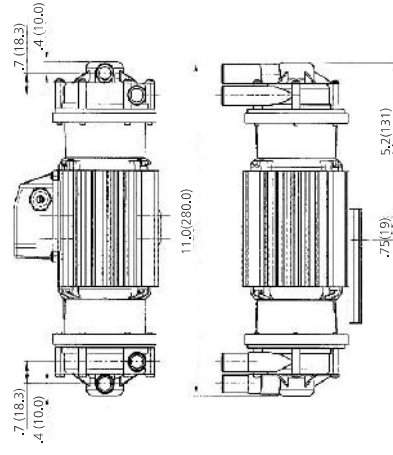
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

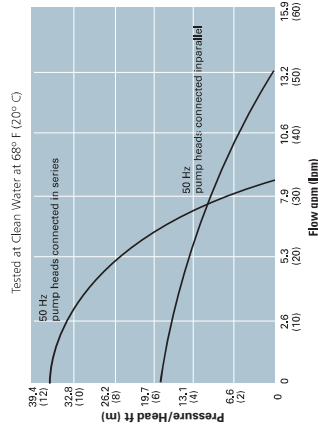
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Pump head can be connected in series for high head applications
- Can pump two dissimilar fluids simultaneously
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IP54 standard motor housing. IP55 version available.
- Deep groove ball bearings

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



FOR INTERNATIONAL MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODELS	CERTIFICATION	VOLTAGE	PORT DETAILS
048937	CE	230V 1Ph 50	Plain 1.1 in (28 mm)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Multistage Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	16.2 GPM (61.5 LPM)
BODY PRESSURE	29.0 psi (2.0 bar) Max
CLOSED VALVE HEAD	103.3 ft (31.5 m)
MOTOR OUTPUT	550 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	8.1" (206 mm) H x 17.4 (443 mm) L x 6.3 (159 mm) W
WEIGHT	8.4 lb (10.1 kg)

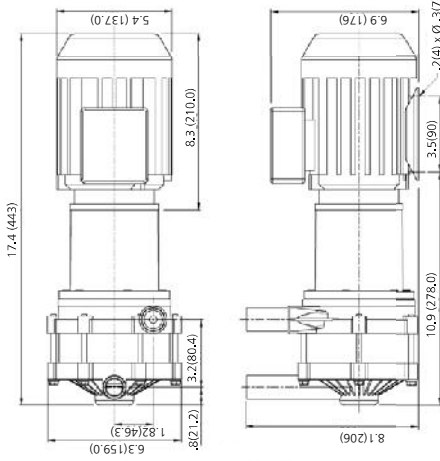
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

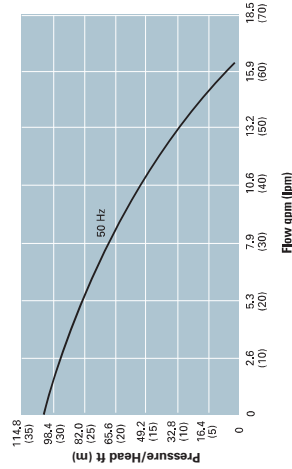
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- Variable pump body orientation
- Compatible with standard pushfit fittings
- IP55 standard motor housing

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP60/6

FLOJET



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL#S	CERTIFICATION	VOLTAGE	PORT DETAILS
018923	CE	400V 3Ph 50Hz	Plain 8" (21 mm)
018924	CE	400V 3Ph 50Hz	1/2" BSP male ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	15.1 GPM (57 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	20.3ft (6.2 m)
MOTOR OUTPUT	90 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	5.7in H x 10.3in L x 4.3in W (146mm H x 262mm L x 108mm W)
WEIGHT	8.8lb (4.0 kg)

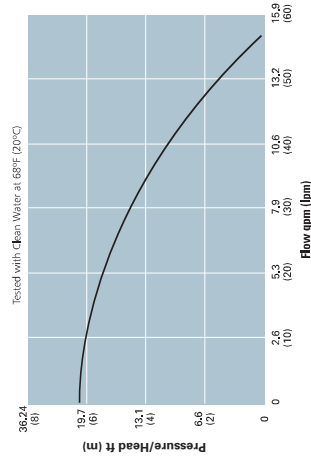
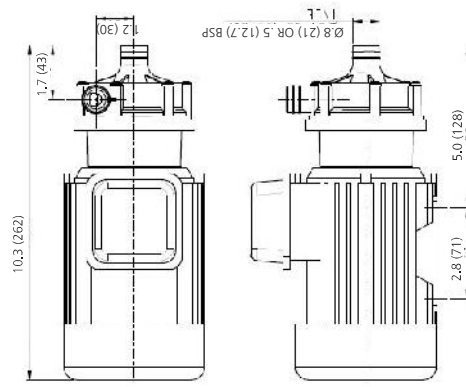
FEATURES

- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IP55 motor standard

*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

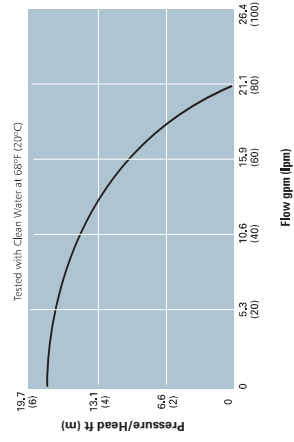
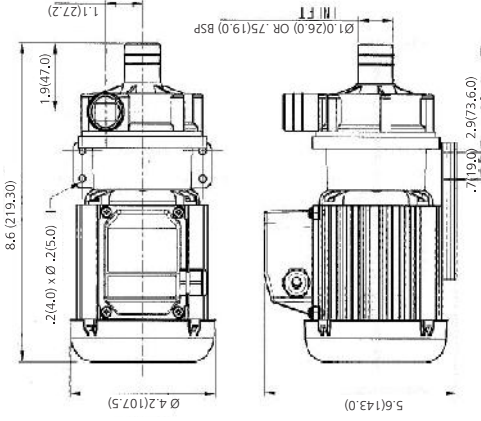
DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FLOJET

NEMP80/6



FOR INTERNATIONAL & US MARKETS

For applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL#S	CERTIFICATION	DESCRIPTION	PORT DETAILS
466921	CE	230V 1Ph 50Hz	3/4" (19mm) BSP male ports
426976	UL	100-110V 50/60Hz with UL Cable	3/4" NPT ports
456985	UL	100-110V 50/60Hz with UL Cable	1.0in (26mm) hose barb ports
466919	CE	230V 1Ph 50Hz	26mm

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	21.1 GPM (80 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	18.0 ft (5.5m)
MOTOR OUTPUT	60 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	5.6in H x 8.7in L x 4.0in W (143mm H x 220mm L x 102mm W)
WEIGHT	6.8 lb (3.1 kg)

FEATURES

- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluid
- IP55 standard motor housing
- Deep groove ball bearings

*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

PERFORMANCE

02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP100/6

FLOJET



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
028905	CE	400V 3Ph 50Hz	Plain .8in (26 mm)
038925	CE	400V 3Ph 50Hz	¾" BSP male ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	15.1 (100 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	18.7 ft (5.7 m)
MOTOR OUTPUT	90 watts
MAX SPECIFIC GRAVITY*	1.05
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	5.7" H x 10.7" L x 4.3" W (146mm H x 271mm L x 108mm W)
WEIGHT	7.9lb (3.6 kg)

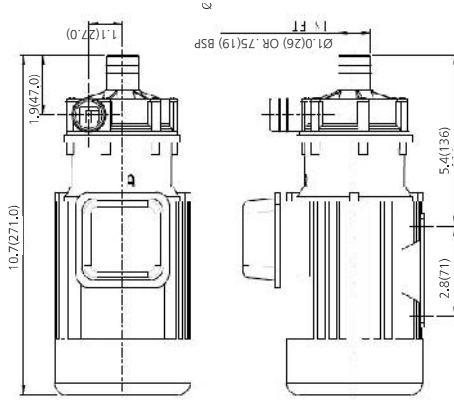
FEATURES

- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- IP55 standard motor housing

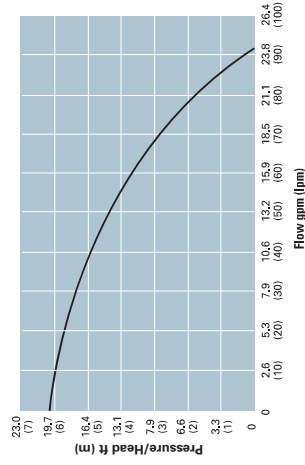
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



FLOJET

NEMP120/8



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
028907	CE	230V 1Ph 50 Hz	1¼" BSP male (inlet) ¾" BSP male (outlet)
028908	CE	400V 3Ph 50 Hz	1¼" BSP male (inlet) ¾" BSP male (outlet)
028939	CE	110V 1Ph 60 Hz	1¼" BSP male (inlet) ¾" BSP male (outlet)

Contact factory for custom models.

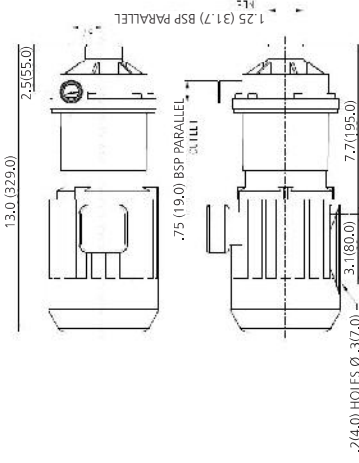
SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	30.9 GPM (117 LPM)
BODY PRESSURE	24.7 (1.7 bar) Max
CLOSED VALVE HEAD	23.6 ft (7.2 m)
MOTOR OUTPUT	180 watts (1Ph) 250 watts (3Ph)
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	5.6 H x 13.0 L x 4.7 W (141 mm H x 329 mm L x 119 mm W)
WEIGHT	12.1 lb (6.5 kg)

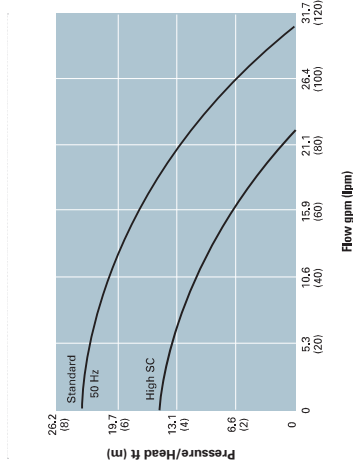
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

FLOJET

NEMP160/9



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
028911	CE	230V 1Ph 50Hz	1 1/4" BSP male (inlet) 3/4" BSP male (outlet)
028912	CE	400V 3Ph 50Hz	1 1/4" BSP male (inlet) 3/4" BSP male (outlet)
028941	CE	110V 1Ph 60Hz	1 1/4" BSP male (inlet) 3/4" BSP male (outlet)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	41.7 GPM (158 LPM)
BODY PRESSURE	24.7 psi (1.7 bar) Max
CLOSED VALVE HEAD	28.9 ft (8.8 m)
MOTOR OUTPUT	180 watts (1Ph) 250 watts (3Ph)
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 5.6in H x 12.9in L x 4.7in W (141 mm H x 327 mm L x 119 mm W)
DIMENSIONS	
WEIGHT	12.3lb (5.6 kg)

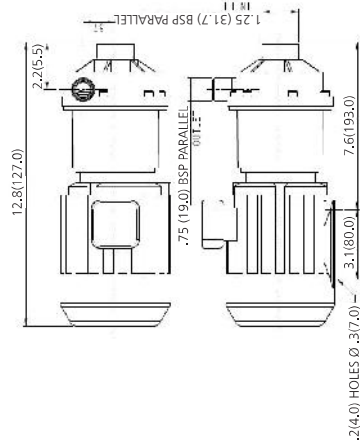
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

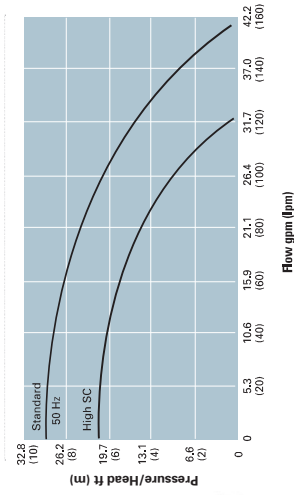
- Manufactured in chemical resistant thermo-plastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- IP55 standard motor housing
- High SG version available
- PVDF versions available

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



FLOJET

NEMP200/12



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
028915	CE	230V 1Ph 50	1 1/2" BSP male (inlet) 1" BSP male (outlet)
028916	CE	400V 3Ph 50	1 1/2" BSP male (inlet) 1" BSP male (outlet)
028943	CE	110V 1Ph 60Hz	1 1/2" BSP male (inlet) 1" BSP male (outlet)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	52.8 GPM (200 LPM)
BODY PRESSURE	29.0 psi (2.0 bar) Max
CLOSED VALVE HEAD	34.4 ft (10.5m)
MOTOR OUTPUT	550 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 6.7in H x 14.5in L x 4.9in W (171 mm H x 418 mm L x 125 mm W)
DIMENSIONS	
WEIGHT	21.2lb (9.6 kg)

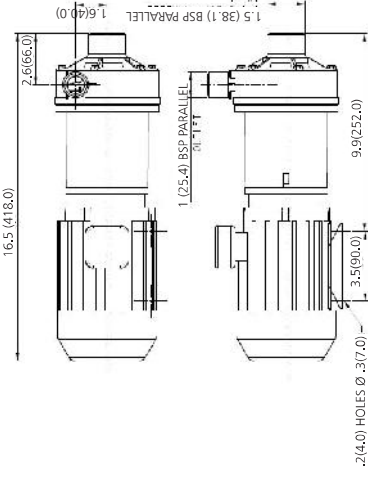
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

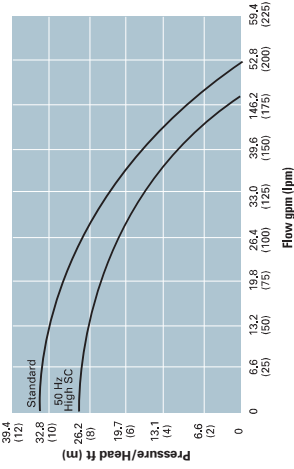
- Manufactured in chemical resistant thermo-plastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- IP55 standard motor housing
- High SG version available
- PVDF versions available

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP270/17

FLOJET

NEMP300/20



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
048942	CE	230V, 1Ph 50Hz	2" BSP male (inlet) 1 1/2" BSP male (outlet)
048918	CE	400V, 3Ph 50Hz	2" BSP male (inlet) 1 1/2" BSP male (outlet)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	79.3 GPM (300 LPM)
BODY PRESSURE	43.5 psi (3.0 bar) Max
CLOSED VALVE HEAD	54.1ft (16.5 m)
MOTOR OUTPUT	1100 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 8.4in H x 20.0in L x 6.9in W (214mm H x 508mm L x 174mm W)
DIMENSIONS	
WEIGHT	48.5 lb (22 kg)

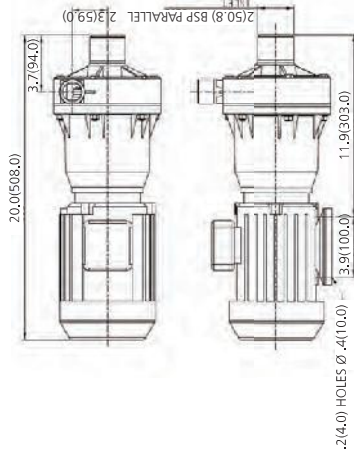
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

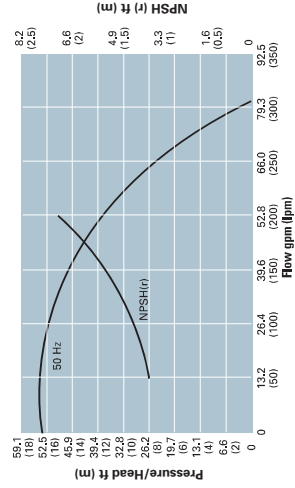
- Manufactured in chemical resistant thermo-plastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- #55 standard motor housing
- High SG version built to order
- PVDF versions available

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
028919	CE	230V, 1Ph 50Hz	2" BSP male (inlet) 1 1/2" BSP male (outlet)
028920	CE	400V, 3Ph 50Hz	2" BSP male (inlet) 1 1/2" BSP male (outlet)
028945	CE	110V, 1Ph 60Hz	2" BSP (inlet) 1 1/2" BSP male (outlet)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	92.5GPM (350 LPM)
BODY PRESSURE	43.5psi (3.0 bar) Max
CLOSED VALVE HEAD	68.9ft (21 m)
MOTOR OUTPUT	1500 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 9.7in H x 21.1in L x 6.9in W (222 mm H x 535 mm L x 174 mm W)
DIMENSIONS	
WEIGHT	39.7lb (18 kg)

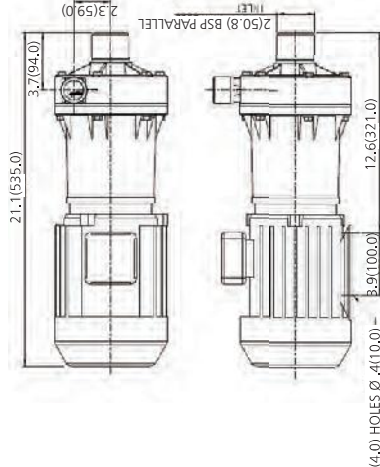
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

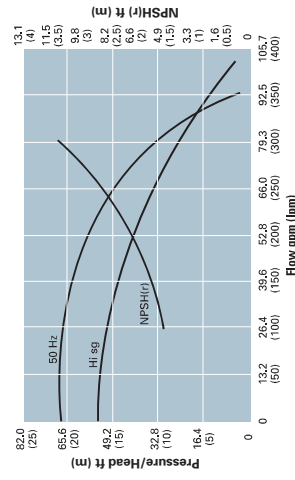
- Manufactured in chemical resistant thermo-plastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- #55 standard motor housing
- High SG version built to order
- PVDF versions available

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

NEMP500/20



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
028995	CE	400V 3Ph 50Hz	2" BSP male (inlet) 1 1/2" BSP male (outlet)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RIN/OUT)	138.7GPM (525 LPM)
BODY PRESSURE	43.5 psi (3.0 bar) Max
CLOSED VALVE HEAD	71.2 ft (21.7 m)
MOTOR OUTPUT	2.2 kilowatts STD 3.0 kilowatts High-SG
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	9.3in H x 22.8in L x 6.9in W (235mm H x 580mm L x 175mm W)
WEIGHT	45.4 lb (20.6 kg)

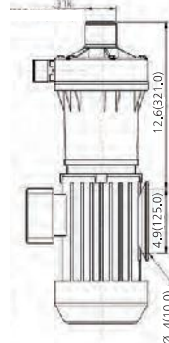
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

- Manufactured in chemical resistant thermo-plastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- IP55 standard motor housing
- High SG version built to order
- PVDF versions available

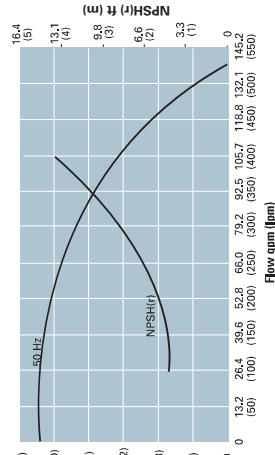
DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



2-(4.0) HOLES Ø .41(10.0)

PERFORMANCE



FLOJET

NEMP800/30



FOR INTERNATIONAL MARKETS

For heavy duty applications requiring safe, leak-free, continuous flow of aggressive chemicals, acids, solvents, alkalis, sterile and chilled fluids.



New

NEW MODELS

MODEL #S	CERTIFICATION	VOLTAGE	PORT DETAILS
048911	CE	400V 3Ph 50Hz	3.0in (75 mm) flange (inlet) 2.5in (63 mm) flange (outlet)

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RIN/OUT)	219.5GPM (830 LPM)
BODY PRESSURE	43.5psi (3.0 bar) Max
CLOSED VALVE HEAD	121.4ft (37 m)
MOTOR OUTPUT	4 kilowatts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	10.7 (10.6 VEM) in H x 24.2 (22.6 VEM) in W x 10.8 in L 271 (268 VEM) mm H x 615 (575 VEM) mm L x 275 mm W
WEIGHT	94.8lb (43 kg)

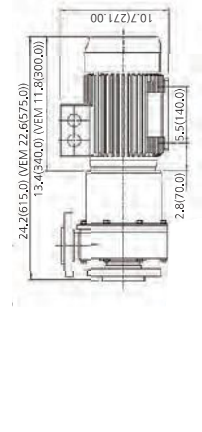
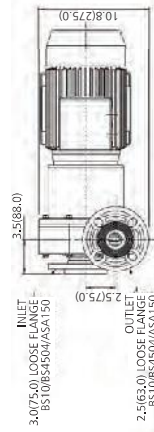
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

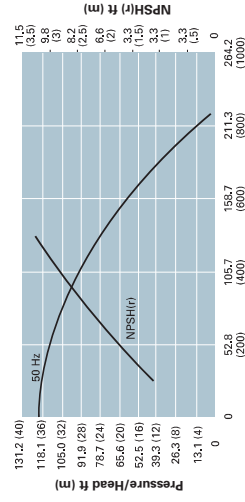
- Manufactured in chemical resistant thermo-plastics – entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to the pumped fluids
- IP55 standard motor housing
- High SG versions built to order
- PVDF versions available

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

NDP14/2



FOR INTERNATIONAL & US MARKETS

For continuous transfer/recirculation of aggressive chemicals, chilled water, pure or precious liquids, in photographic, reprobographic, X-Ray and industrial processing equipment, particularly where space is limited.



NEW MODELS

MODEL#S	CERTIFICATION	DESCRIPTION	PORT DETAILS
123926	CE	230V 1Ph 50Hz 100-110V with UL Cable	Plin 0.5 (13mm)
133983	UL	50/60Hz with UL Cable	Plin 0.5 (13mm)
133986	UL	100-110V 50/60Hz with UL Cable	1/4" NPT ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 3.6 GPM (13.8 LPM) 60 Hz: 3.6 GPM (13.5 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	50 Hz: 7.5 ft (2.3 m) 60 Hz: 10.8 ft (3.3 m)
MOTOR OUTPUT	10 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	3.9in H x 5.9in L x 4.4in W (100 mm H x 150 mm L x 112 mm W)
WEIGHT	3.7lb (1.7 kg)

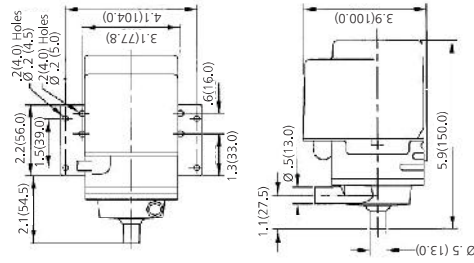
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

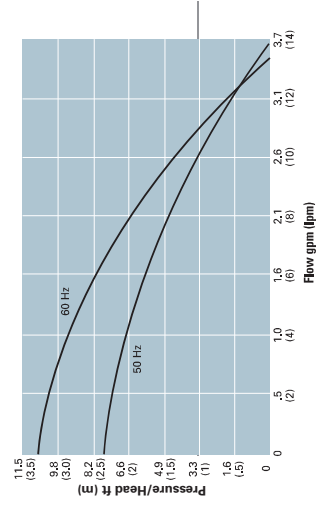
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to pumped fluids.
- Leak free continuous operation
- Drip-proof IP22 motor housing
- Zero maintenance

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



FLOJET

NDP25/2



FOR INTERNATIONAL & US MARKETS

For continuous transfer/recirculation of aggressive chemicals, chilled water, pure or precious liquids, in photographic, reprobographic, X-Ray and industrial processing equipment, particularly where space is limited.



NEW MODELS

MODEL#S	CERTIFICATION	VOLTAGE	PORT DETAILS
123927	CE	230V 1Ph 50Hz	Plin 9/ (22 mm)
133923	CE	230V 1Ph 50Hz	1/2" BSP Ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 7.1 GPM (27 LPM) 60 Hz: 5.5 GPM (21 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	50 Hz: 5.2 ft (1.6 m) 60 Hz: 6.9 ft (2.1 m)
MOTOR OUTPUT	10 watts
MAX SPECIFIC GRAVITY*	1.2
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	3.9in H x 6.7in L x 4.4in W (100 mm H x 171 mm L x 112 mm W)
WEIGHT	4.0 lb (1.8 kg)

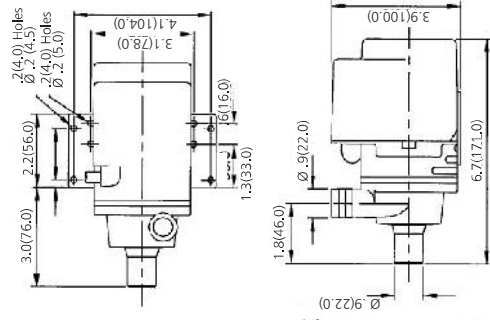
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

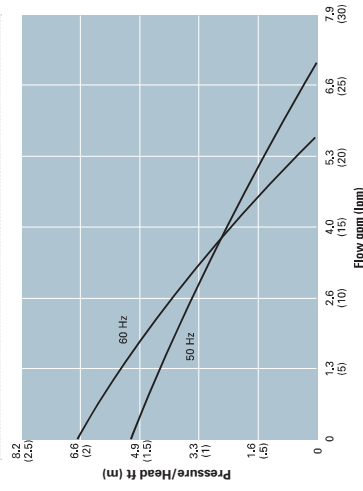
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to pumped fluids.
- Leak free continuous operation
- Drip-proof IP22 motor housing
- Zero maintenance

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

NDP25/4

FLOJET

NDP35/3

FLOJET



FOR INTERNATIONAL & US MARKETS

For continuous transfer/recirculation of aggressive chemicals, chilled water, pure or precious liquids, in photographic, reprographic, X-Ray and industrial processing equipment, particularly where space is limited.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
173903	CE	230V 1Ph 50Hz 100-110V 50/60Hz with UL Cable	Plain .8in (21 mm) Plain 0.92 (21.1mm) Inlet .83 (21.5mm) Outlet
133984	UL	100-110V 50/60Hz with UL Cable	1/2" NPT Inlet 3/8" NPT Outlet

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 5.9 GPM (22.5 LPM) 60 Hz: 6.1 GPM (23 LPM)
BODY PRESSURE	29.0 psi (2.0 bar) Max
CLOSED VALVE HEAD	50 Hz: 11.5 ft (3.5 m) 60 Hz: 12.5 ft (3.8 m)
MOTOR OUTPUT	18 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 4.0in H x 7.3in L x 4.4in W (101 mm H x 185 mm L x 112.5 mm W)
DIMENSIONS	
WEIGHT	4.6 lb (2.1 kg)

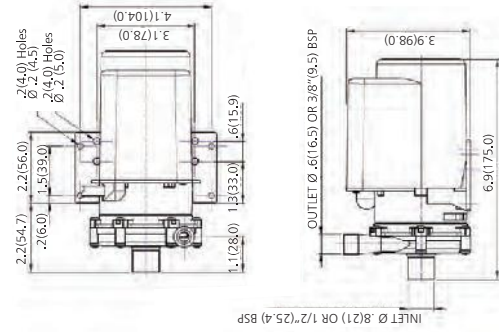
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

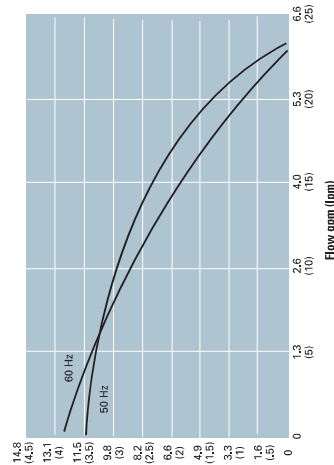
- Manufactured in chemical resistant thermoplastics - entirely non-metallic
- Magnetic couplings provide an energy efficient thermal shield, minimizing heat transfer to pumped fluids.
- Leak free continuous operation
- Drip-proof IP22 motor housing
- Zero maintenance

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in () are in mm.

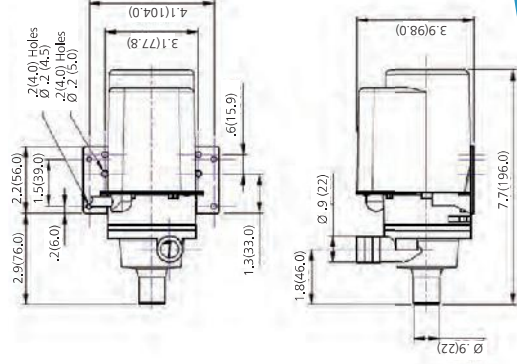


PERFORMANCE

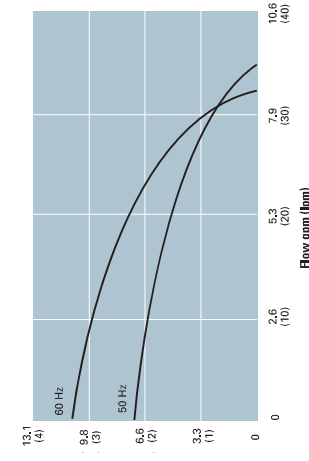


DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in () are in mm.



PERFORMANCE



*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities



FOR INTERNATIONAL & US MARKETS

For continuous transfer/recirculation of aggressive chemicals, chilled water, pure or precious liquids, in photographic, reprographic, X-Ray and industrial processing equipment, particularly where space is limited.



NEW MODELS

MODEL #S	CERTIFICATION	DESCRIPTION	PORT DETAILS
123928	CE	230V 1Ph 50Hz	Plain .9in (22 mm)
133935	CE	110V 1Ph 60Hz	Plain .9in (22 mm)
133985	UL	100-110V 50/60Hz with UL Cable	Plain 0.9 (22mm)
133988	UL	100-110V 50/60Hz with UL Cable	1/2" NPT ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	50 Hz: 9.2 GPM (35 LPM) 60 Hz: 8.7 GPM (33 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	50 Hz: 7.2 ft (2.2 m) 60 Hz: 10.8 ft (3.3 m)
MOTOR OUTPUT	18 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C) 3.9in H x 7.7in L x 4.4in W (98 mm H x 196 mm L x 112.5 mm W)
DIMENSIONS	
WEIGHT	5.1 lb (2.3 kg)

*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

02 Centrifugal Pumps

MAG DRIVE PUMPS

FLOJET

DC15/5



FOR INTERNATIONAL & US MARKETS

Designed for hot & cold drinks vending, water circulation, re-circulation & cooling duties in beverage, laboratory, agricultural, print, photographic & industrial processing applications and other short time rated applications.

12 Volt & 24 Volt versions to suit vehicular applications.



NEW MODELS

MODEL #	CERTIFICATION	DESCRIPTION	PORT DETAILS
013950	CE	12V DC	Plain .5in (13mm) ports
033944	CE	24V DC	Plain .5in (13mm) ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	6.1 GPM (23.0 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	21.3 ft (6.5 m)
MOTOR OUTPUT	25 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	3.4in H x 5.7in L x 2.9in W (86 mm H x 146 mm L x 74 mm W)
WEIGHT	1.5 lb (.7 kg)

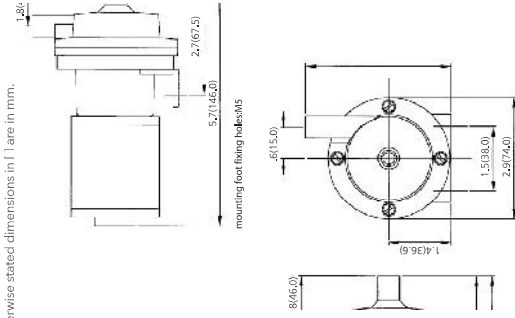
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

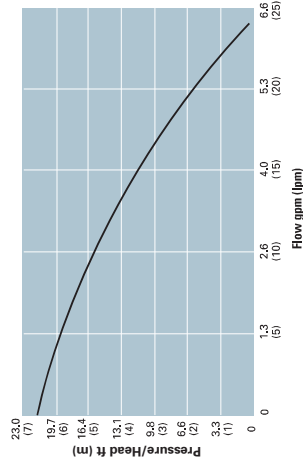
- Magnetically coupled, sealless leak-free design
- Pump body orientation easily altered to suit installations
- Variable mounting foot positions
- Lifts to 16.4 ft (5 m)

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



FLOJET

DC30/5



FOR INTERNATIONAL & US MARKETS

Designed for hot & cold drinks vending, water circulation, re-circulation & cooling duties in beverage, laboratory, agricultural, print, photographic & industrial processing applications and other short time rated applications.

12 Volt & 24 Volt versions to suit vehicular applications.



NEW MODELS

MODEL #	CERTIFICATION	DESCRIPTION	PORT DETAILS
13948	CE	12V DC	Plain .8in (21mm) ports
033982	CE	24V DC	Plain .8in (21mm) ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUNOUT)	9.2 GPM (35 LPM)
BODY PRESSURE	20.3 psi (1.4 bar) Max
CLOSED VALVE HEAD	16.4 ft (5.0 m)
MOTOR OUTPUT	25 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +85°C)
DIMENSIONS	3.8in H x 6.6in L x 2.9in W (96mm H x 168mm L x 74mm W)
WEIGHT	1.5 lb (.7 kg)

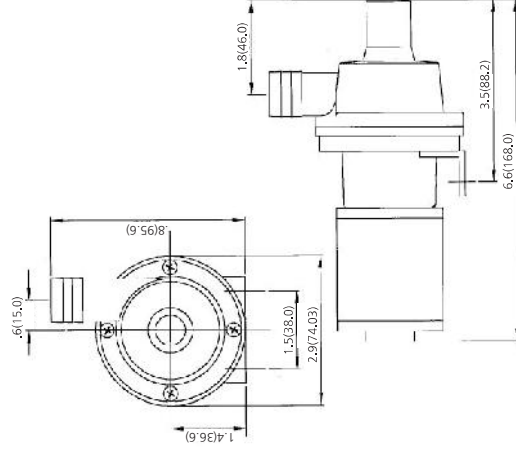
*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities

FEATURES

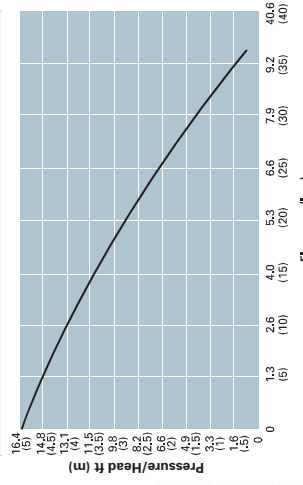
- Magnetically coupled, sealless leak-free design
- Pump body orientation easily altered to suit installations
- Variable mounting foot positions
- Lifts to 16.4 ft (5 m)

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



02 Centrifugal Pumps

MAG DRIVE PUMPS

DC40/10



FOR INTERNATIONAL & US MARKETS

Designed for hot & cold drinks vending, water circulation, re-circulation & cooling duties in beverage, laboratory, agricultural, print, photographic & industrial processing applications and other short time rated applications.

12 Volt & 24 Volt versions to suit vehicular applications.

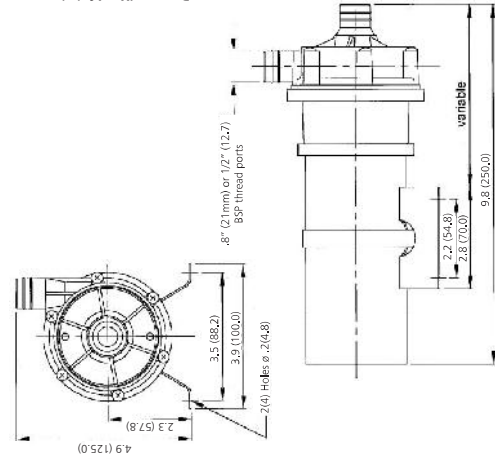


FEATURES

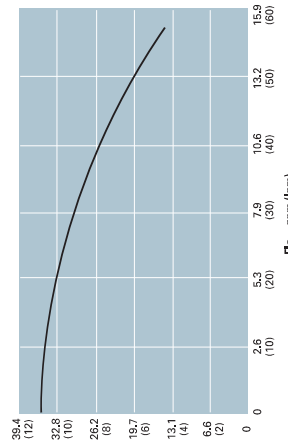
- Magnetically coupled, sealless leak-free design
- Pump body orientation easily altered to suit installations
- Variable mounting foot positions
- Lifts to 32.8 ft (10 m)

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



PERFORMANCE



NEW MODELS

MODELS	CERTIFICATION	DESCRIPTION	PORT DETAILS
226939	CE	12V DC	Plain, .8" (21mm) ports
036972	CE	24V DC	Plain, .8" (21mm) ports

Contact factory for custom models.

SPECIFICATIONS

PUMP DESIGN	Magnetically Coupled Centrifugal Pump
FLOW RATE (RUN/OUT)	14.5 GPM (55 LPM)
BODY PRESSURE	36.1 psi (1.4 bar) Max
CLOSED VALVE HEAD	36.1 ft (11m)
MOTOR OUTPUT	65 watts
MAX SPECIFIC GRAVITY*	1.0
TEMPERATURE RANGE	-4°F to +185°F (-20°C to +65°C)
DIMENSIONS	5.1" x 9.8" x 3.8" (130 mm H x 250 mm L x 97 mm W)
WEIGHT	5.1 lb (2.7 kg)

*Assuming maximum viscosity of 30cp. Refer to Totton Pumps for higher viscosities and specific gravities



Introduction to General Purpose Centrifugal Pumps

Rule Submersible pumps are unrivaled in their combination of versatility, performance, reliability and value. Their small size enables them to be installed in confined spaces where water needs to be circulated or removed. They are totally sealed so they can be left permanently submerged. The electrical safety of pumps fitted with low voltage DC motors is superior to mains voltage pumps.

- Compact, Efficient, Long Life Motors
- Rust and Corrosion Proof
- Silent and Vibration-Free Operation
- Totally Submersible

General Purpose Centrifugal Pumps



FOR INTERNATIONAL & US MARKETS

The Rule General Purpose Pump is designed 1-1/2" (38mm) inlet and 1-1/2" (38mm) discharge outlet. The Rule General Purpose Pump must be mounted below the waterline. It does not deliver high pressure, nor is it self priming. It delivers lots of water-but at low pressure. 12 volts DC unless noted.



MODELS

NON-AUTOMATIC	CERTIFICATION	CAPACITY (GPH/LPH)
Model 17A	CE	3800 GPH (14380 LPH)
Model 18A	CE	3700 GPH (14002 LPH) (24 vdc)
Model 19A	CE	3700 GPH (14002 LPH) (32 vdc)

110 Volt Pumps



FOR US MARKETS

Designed to remove water from basements, garages, stairwells, utility rooms, and other utility applications. Available in Non-Automatic & Automatic versions utilizing standard 110 volt-AC current. UL Listed.



MODELS

AUTOMATIC MODEL	CERTIFICATION	CAPACITY (GPH/LPH)	CORD	ADAPTERS INCLUDED
Model A535	CE	1800 (6814)	8' (2.4m)	Garden Hose & Rigid Pipe, #57
Model A535-24	CE	1800 (6814)	24' (7.3m)	Garden Hose & Rigid Pipe, #57
Non-Automatic Model	CE	Capacity (GPH/LPH)	Cord	Adapters Included
Model A53D	CE	1800 (6814)	8' (2.4m)	Garden Hose & Rigid Pipe, #57

02 Centrifugal Pumps

SUBMERSIBLE PUMPS

Charge N' Flow Kit



US MARKETS

The new Charge N' Flow pump is rechargeable, submersible and is designed for a wide variety of applications, both onboard and ashore. The versatility of the pump along with multiple power options makes it the ideal pump to keep on hand for any situation.

Plus, with battery power and two convenient power options, it works wherever you need it. The Charge n' Flow pump is very compact, only 5.5 inches (140mm) tall and 1.5 inches (38mm) in diameter, and can handle up to 100 gallons of water (379 L) on a single battery charge. When connected to a car battery, it can pump endless amounts of water!



FEATURES

- Heavy duty robust design
- Stainless steel construction
- Long life DC motor
- Silent running
- Anti-dog impeller design
- Long life mechanical seal
- Single tool servicing
- 6.56 feet (2 meters) suction lift when wet

NEW MODELS

AUTOMATIC MODEL	MAX PUMP VOLUME	GALLONS (WATER)	CHARGE TIME	VOLTAGE
Model RP280KR	280GPH (1060LPH)	Approx. 100 gal (379 L)	10-12 hours	Garden Hose & Rigid Pipe #57



Fresh or Sea Water



Diesel Refuelling



Home & Garden



Windshield Fluid



Camping & Kayaking



Car/RV/Boat Washdown



rechargeable

APPLICATIONS

- Ideally suited for pumping fresh and sea water or diesel
- Diesel refuelling and transfer
- Home and garden
- Plumbing
- Windshield fluid transfer
- Camping and kayaking
- Washdown for cars, RV, anchors and boats
- Bilge or storm water emptying.

KIT INCLUDES

- Pump with quick disconnect fitting and fuse
- Battery terminal power adaptor
- Vehicle power adaptor
- 8' (2.4m) lay flat hose
- Spray nozzle
- Case with integrated battery
- Battery charger



02 Centrifugal Pumps

SUBMERSIBLE PUMPS

SLIMLINE PUMPS



FOR INTERNATIONAL & US MARKETS

There are four sizes in the Slimline Series which include strainers for use in submersible mode or, when the filter is removed, for use in the inline pumping mode. These pumps are capable of pumping hot or cold fresh water, seawater, antifreeze and even diesel. These pumps can be used to pump water from tight spaces, for general wash down, water and diesel transfer, or engine winterizing.

Rule has developed a family of compact combination Submersible and Inline pumps and Portable Pump Kits designed for a wide variety of uses.



- Delivers up to 500 GPH (1892 LPH)
 - Pumps fresh and seawater, diesel
 - Continuous duty (not all models)
 - Diesel refueling and transfer
 - Container filling and emptying
 - Sink draining
 - Engine winterizing
- Water Testing
 - Borehole Testing
 - Agricultural Spraying
 - General Transfer
 - Diesel Transfer
 - Garden Watering

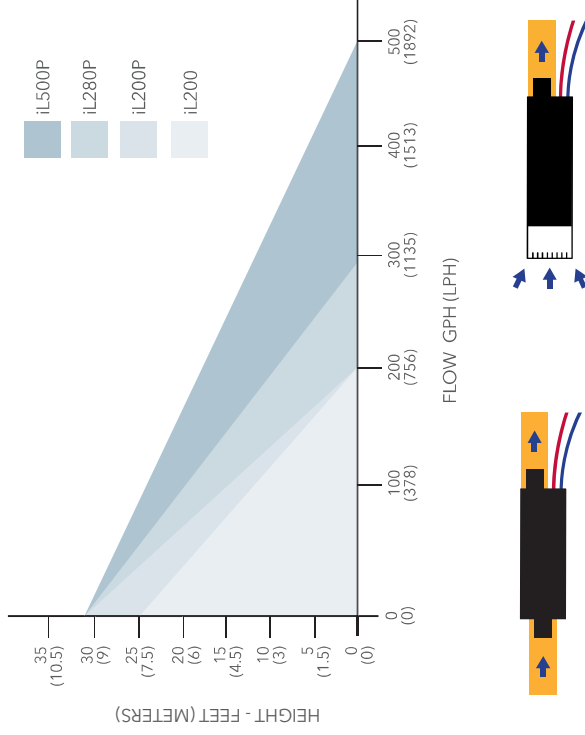
MODELS

MODEL	CERTIFICATION	VOLTS	DESCRIPTION	CAPACITY (GPH/LPH)
IL500P	CE	12 Volt	IL500Plus	500 GPH (1892 LPH)
IL500P-24	CE	24 Volt	IL500Plus	500 GPH (1892 LPH)
IL280P	CE	12 Volt	IL280Plus	280 GPH (1059 LPH)
IL280P-24	CE	24 Volt	IL280Plus	280 GPH (1059 LPH)
IL200P	CE	12 Volt	IL200Plus	200 GPH (756 LPH)
IL200P-24	CE	24 Volt	IL200Plus	200 GPH (756 LPH)
IL200*	CE	12 Volt	IL200	200 GPH (756 LPH)

*Not for use with diesel fuel



FLOW RATE



SPECIFICATIONS

MODEL	IL500PLUS	IL280PLUS	IL200PLUS	IL200
PUMP TYPE	Centrifugal submersible and inline pump			
CURRENT	12V - 4.5 amp 24V - 2.5 amp	12V - 4.5 amp 24V - 2.5 amp	12V - 4.5 amp 24V - 2.5 amp	12V - 2.8 amp
HEAD	32ft (9.7m)	32ft (9.7m)	32ft (9.7m)	25ft (7.6m)
FLOW RATE	500 GPH (1920 LPH)	280GPH (1080LPH)	200GPH (760LPH)	200GPH (760LPH)
RATING	Continuously Rated*	Continuously Rated*	Continuously Rated*	Intermittent Rated**
OUTLETS	3/4" (19mm) ID hose	1/2" (13mm) ID hose	1/2" (13mm) ID hose	3/8" (10mm) & 1/2" (13mm) ID hose
PRESSURE	14 psi (0.96 bar)	14 psi (0.96 bar)	11 psi (0.76 bar)	14 psi (0.96 bar)
BODY	Acetal	Acetal	Acetal	Styrene
LENGTH	6.5" (165mm)	6.5" (165mm)	5.6" (142mm)	5.1" (130mm)
DIAMETER	1.5" (38mm)	1.5" (38mm)	1.5" (38mm)	1.4" (36mm)
CABLE LENGTH	13ft (4m)	13ft (4m)	3ft (1m)	3ft (1m)
LIQUID	Fresh & Seawater / Diesel	Fresh & Seawater / Diesel	Fresh & Seawater / Diesel	Fresh & Seawater
OPERATING TEMP	Water systems to 176°F (80°C)	Water systems to 176°F (80°C)	Water systems to 176°F (80°C)	Water systems to 140°F (60°C)

*Should not be run dry for long periods of time. **Should not be run dry for more than 20 minutes and rested for equal time.

Mag Drive Pumps & Submersible Pumps
Centrifugal Pumps 02

SLIMLINE PUMP KIT



FOR INTERNATIONAL & US MARKETS

The Portable Pump Kits come complete with lay flat hose and battery terminal clips and are ready to use!

EACH KIT CONTAINS

- Pump
 - 10' (3m) Wire with battery clamps
 - Lay Flat Hose
 - Spray Nozzle
- Water Testing
 - Borehole Testing
 - Agricultural Spraying
 - General Transfer
 - Diesel Transfer
 - Garden Watering

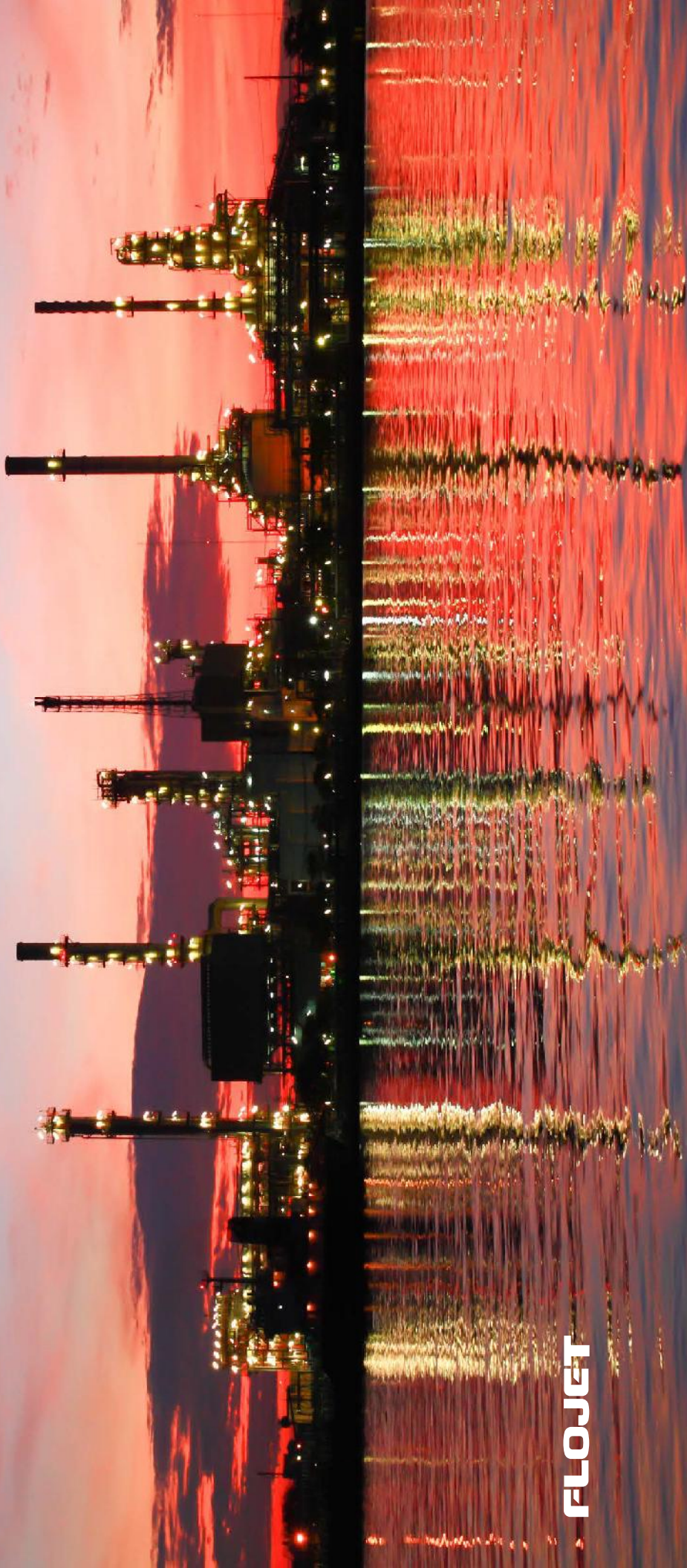


MODELS

MODEL	CERTIFICATION	VOLTS	DESCRIPTION	CAPACITY (GPH/LPH)
IL500PK	CE	12 Volt	IL500Plus Kit	500 GPH (1892 LPH)
IL500PK-24	CE	24 Volt	IL500Plus Kit	500 GPH (1892 LPH)
IL280PK	CE	12 Volt	IL280Plus Kit	280 GPH (1059 LPH)
IL280PK-24	CE	24 Volt	IL280Plus Kit	280 GPH (1059 LPH)
IL200K	CE	12 Volt	IL280 Kit	200 GPH (756 LPH)

Diaphragm Pumps 03

Introduction
Motor Driven
Air Driven
Accessories & Fittings
Sanitary



03 Diaphragm Pumps

INTRODUCTION

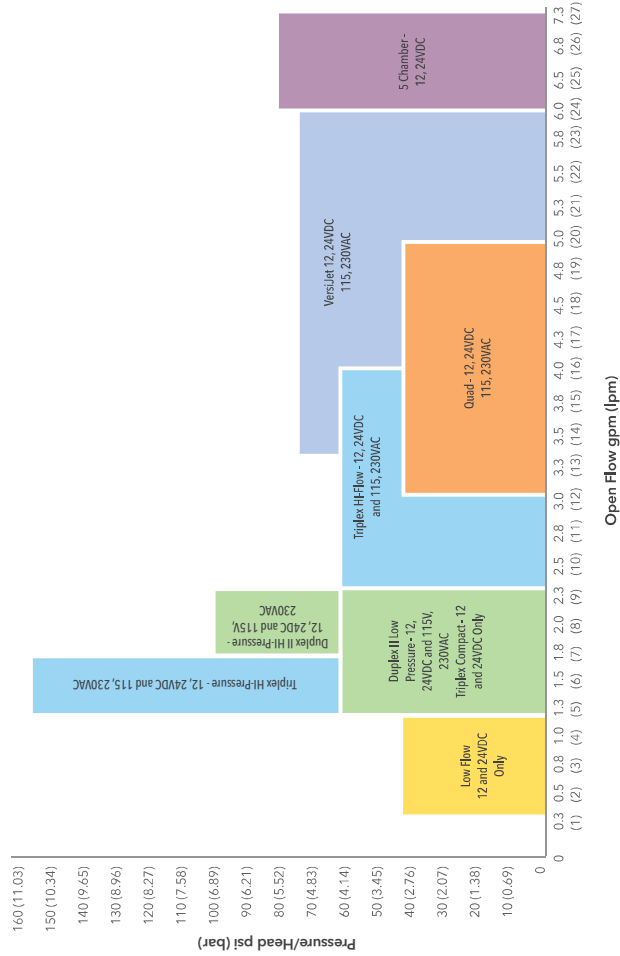
Diaphragm Pump Product Range

Operational "Box" for Flojet Diaphragm Pumps

(Options below are not available to all ranges)

PRESSURE	0-160 (0-11 Bar)
OPEN FLOW	0.3-7 GPM (1.14-26.5 LPM)
ELASTOMERS	Styrene, Viton, Buna, Geolast, EPDM, Silicone, Iolene
BODY MATERIALS	Polypropylene, Celcon, Nylon
SWITCH RANGE	20-160 PSI (1.4-11 Bar) or no switch
BYPASS RANGE	1.5-150 PSI (1.0-10.4 Bar) or no bypass
POWER	Electric: 12, 24VDC, 110VAC, 230VAC Gas: Air, CO ₂ or Nitrogen

The above defines the box for Flojet's standard products. As Flojet is also a motor manufacturer we are capable of providing specific solutions to your pumping needs. If the above range is not suitable, please contact the factory to learn about our full range of Flojet Diaphragm Pumps.



GAS WARNING

No pump manufactured by Xylem should be used for gasoline or any fluid with a flash point below 100° F (38° C)



FEATURES AND BENEFITS

Expect only the best. With over 30 years of pump design and manufacturing experience, Flojet is committed to delivering the hardest working and longest lasting pumps. No matter the application, Flojet can provide a superior pump to match all your requirements.

SELF-PRIMING EVEN WHEN DRY

- Dry vertical lift from 2.5ft (0.75m) up to an outstanding 27.9ft (8.5m).

CAN RUN DRY WITHOUT DAMAGE

- Flojet diaphragm pumps can run dry for extended periods with no damage even when the liquid supply is exhausted
- Compatible with a wide range of chemicals
- Seal-less design (no shaft seal, so less leak issues)

COMPACT SIZE AND LIGHTWEIGHT

- Highest flow rates for their size
- Plug-in ports for easy installation and servicing
- Flojet pumps can be mounted easily anywhere with functional mounting platforms and simple connections - fit it anywhere and plumb up

EASY, LOW-COST AND CONVENIENT SERVICING

- Modular design
- Low cost, low maintenance design means a trouble free service life
- Spare parts and accessories are readily available and easy to install

THE PRINCIPAL BEHIND POSITIVE DISPLACEMENT DIAPHRAGM PUMPS

Motor Driven

Self-priming design allows pumps to create suction to draw fluid into pump without manual priming.

Fluid enters inlet port and is drawn through inlet check valve when piston moves away from the check valve.

As piston moves toward the check valve assembly, the fluid is forced through the outlet check valve and out of the pump.

Air Driven

Air pressure directed by the stall-proof shuttle valve pulls the left diaphragm to create suction for the fluid being pumped.

Pressurized air is redirected behind the left diaphragm, causing a discharge stroke, forcing the fluid out. At the same time, the right diaphragm draws in more fluid.

Air is redirected to the right side by the shuttle valve as it repeats the above cycle, forcing fluid out at the right diaphragm and drawing fluid in at the left.

03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

LF SERIES



FOR INTERNATIONAL & US MARKETS

This ultra compact pump uses the duplex diaphragm design to deliver flow and pressure comparable to much larger pumps.



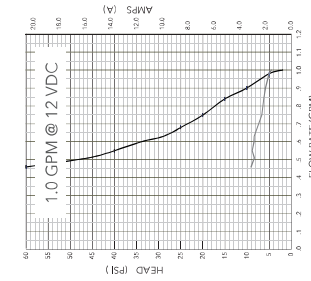
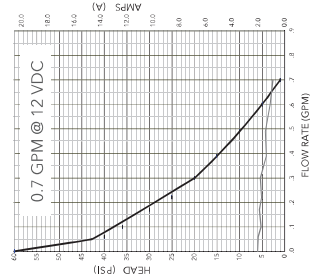
SPECIFICATIONS - LF12 AND LF11 SERIES

PUMP DESIGN	Reciprocating Diaphragm
FLOW RATE	1.0 GPM (3.8 L/min) Nominal @ Open Flow
DUTY CYCLE	Intermittent
WETTED PARTS	
HOUSING	Polypropylene
DIAPHRAGM	Santoprene*
CHECK VALVE	Viton® or EPDM
CHECK VALVE SPRING	316 Stainless Steel
MINIMUM TIP SIZE	#8 Tip, .072" (1.83 mm) Diameter
PORT TYPE	3/8" (9.5 mm) Hose Barb
OPERATING PRESSURE	40 psi (2.75 bar) max (no pressure switch version)
PRESSURE SWITCH SETTING	40 psi (2.75 bar) off / 25 psi (1.7 bar) on
SELF-PRIMING	Up to 2.5 ft (.76 m) Vertically
LIQUID TEMPERATURE	110° F (43° C) Maximum
MOTOR TYPE	Permanent Magnet Motor
MOTOR VOLTAGE	12V DC, 24VDC, 115VAC
CURRENT	2.5 Amp Nominal @ 25 PSI (1.7 bar)

*INST. SHEET #81000-312

FEATURES

- Sealed pressure switch automatically starts and stops pump when discharge valve opens and closes
- Self-priming so pump can be located above supply tank
- Can run dry for extended periods of time without damage
- Built-in thermal protector
- Low amp draw for battery powered applications



PERFORMANCE

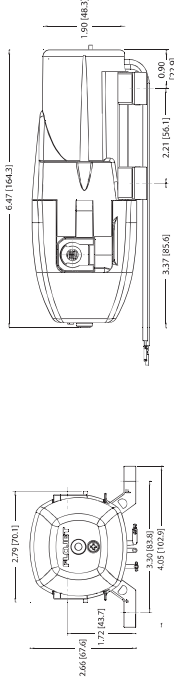
FLOJET

MODELS

MODEL #S	CE	SWITCH PSI (BAR)	BYPASS PSI (BAR)	VOLTAGE	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	COMMENTS
LF112201	RF112201	35 (2.5)	No	12V	Santoprene	Viton	1.0 (3.8)	Fins, In-line Connector, In-line Fuse, Rocker Switch
LF112421	RF112421	40 (2.75)	Yes	12V	Santoprene	Viton	1.0 (3.8)	Fins, In-line Connector, In-line Fuse, Rocker Switch
LF121421	RF121421	40 (2.75)	Yes	12V	Santoprene	Viton	0.7 (2.6)	
LF122002	RF122002	No	No	12V	Santoprene	EPDM	1.0 (3.8)	
LF122005	No	No	No	12V	Geolast	Viton	1.0 (3.8)	
RF122205	Yes	35 (2.5)	No	12V	Geolast	Viton	1.0 (3.8)	
LF122201	RF122201	35 (2.5)	No	12V	Santoprene	Viton	1.0 (3.8)	
LF122202	RF122202	35 (2.5)	No	12V	Santoprene	EPDM	1.0 (3.8)	
LF122421	RF122421	40 (2.8)	Yes	12V	Santoprene	Viton	1.0 (3.8)	
LF172201	No	35 (2.5)	No	12V	Santoprene	Viton	1.0 (3.8)	In-line connector
LF182201	No	35 (2.5)	No	12V	Santoprene	Viton	1.0 (3.8)	In-line connector, Rocker Switch
LF221421	RF221421	40 (2.75)	Yes	24V	Santoprene	Viton	0.7 (2.6)	
LF222005	No	No	No	24V	Geolast	Viton	1.0 (3.8)	
RF222005	Yes	35 (2.5)	No	24V	Geolast	Viton	1.0 (3.8)	
RF222201	RF222201	35 (2.5)	No	24V	Santoprene	Viton	1.0 (3.8)	
LF222202	RF222202	35 (2.5)	No	24V	Santoprene	EPDM	1.0 (3.8)	
LF521401	No	40 (2.75)	No	115 VAC	Santoprene	Viton	0.7 (2.6)	
LF521402	No	40 (2.75)	No	115 VAC	Santoprene	EPDM	0.7 (2.6)	
RF222202	Yes	40 (2.75)	No	24V	Santoprene	EPDM3	1.0 (3.78)	Pressure switch = yes
RF222202	Yes	40 (2.75)	No	24V	Santoprene	EPDM3	1.0 (3.78)	Pressure switch = no
LF222201	No	40 (2.75)	No	115VAC	Santoprene	EPDM3	0.7 (2.70)	
LF222201	Yes	40 (2.75)	No	24V	Santoprene	Viton	1.0 (3.78)	
LF222201	No	40 (2.75)	No	12V	Santoprene	Viton	1.0 (3.78)	
LF222202	No	40 (2.75)	No	12V	Santoprene	EPDM	1.0 (3.78)	

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

DUPLEX II SERIES PUMPS



FOR INTERNATIONAL & US MARKETS

The Duplex II series of pumps incorporate the best technology and features developed by Flojet. Everything from the back flow preventer, check valves, bearings and diaphragm assembly to the motor, have been designed to make this truly the most advanced and reliable diaphragm pump available. Higher efficiency of the pump is evident in the longer life of the motor pump unit. The new diaphragm design combined with the new valves, makes the pump capable of pulling higher dry vacuum. Duplex II is available in various performance ranges, voltages and with a choice of elastomers, making it easily adaptable to a diverse range of applications.



FEATURES

- Self-priming up to 8 feet (2.4 m)
- Can run dry without damage
- Chemically resistant materials
- Internal bypass standard
- Built-in back flow preventer
- Heavy duty ball bearing drive system
- UL, CSA and CE models available

SPECIFICATIONS

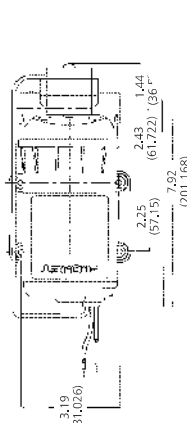
PUMP	Positive Displacement two piston design
FLOW RATE	2.2 GPM (8.27 L/min) for high pressure and low pressure models
PRESSURES	Up to 100 PSI (6.89 bar)
PORTS	3/8" (9.52mm) NPT female
MOTOR	Permanent Magnet with solid state rectifier
VOLTAGES	12 & 24 V DC, 115 & 230 V AC
CYCLE	50/60 hertz for AC models
DRY VACUUM	Up to 8 feet (2.4 M)
PRESSURE SWITCH SETTING	15 (1.34), 30(2.07), 45(3.10), 60(4.14), 80, and 100 (6.8) PSI (bar)
WETTED PARTS	Polypropylene, Viton®, Buna or EPDM
NET WEIGHT	4 to 5 lbs. (2.28 kgs)
MAXIMUM OPERATING PRESSURE	100 PSI (6.8 bar)

Hi-Pressure INST. SHEET # 81000-339
Low-Pressure INST. SHEET # 81000-338

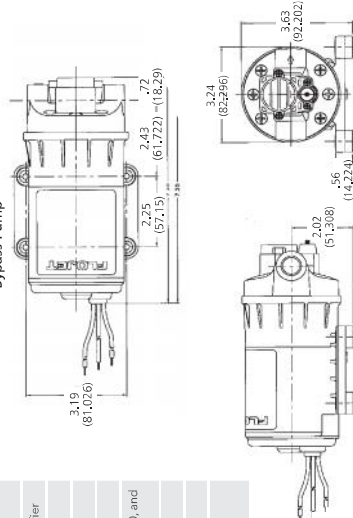
DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.

Demand Pump



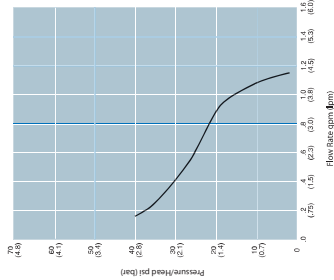
Bypass Pump



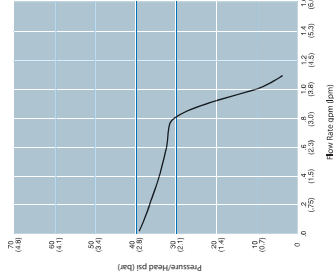
FLOJET

PERFORMANCE

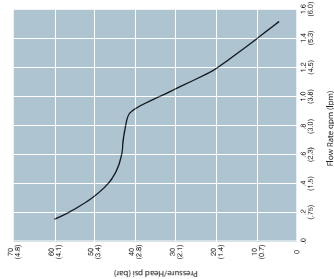
Curve 1



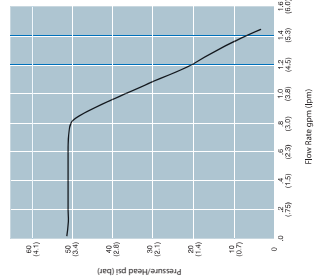
Curve 2



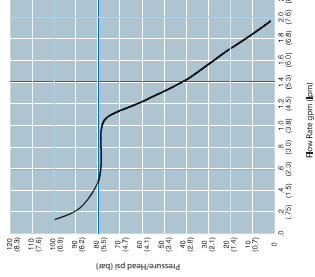
Curve 3



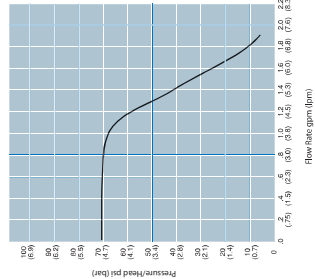
Curve 4



Curve 5



Curve 6



* See following pages for specification charts

03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

DUPLIX II SERIES PUMPS

FOR INTERNATIONAL & US MARKETS

MODELS

MODEL #S	MODEL #S CE CERTIFIED	VOLTAGE	SWITCH PSI (BAR)	BYPASS PSI (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	CURVE #	COMMENTS
D2121F5011	D2121F5011R	12V	60(4.1)	Yes	Santoprene	Viton	1.2(4.6)	1	
D2131F1311	D2131F1311R	12V(24V)**	No	50(3.4)	Santoprene	Viton	1.6(6.1)	4	
D2131F5011	Not Available*	12V(24V)**	60(4.1)	Yes	Santoprene	Viton	1.6(6.1)	3	
D2132F5011	D2132F5011R	12V	60(4.1)	Yes	Santoprene	Viton	1.6(6.1)	3	Heavy Duty Motor
D2132E5011	Not Available*	12V	60(4.1)	Yes	BUNA	Viton	1.6(6.1)	5	
D2133F7011	D2133F7011R	12V(24V)**	100(6.9)	Yes	Santoprene	Viton	2.1(8.0)	3	(NEEDS TO BE RELEASED)
D21X003	Not Available*	12V	No	60(4.1)	Santoprene	Viton	1.6(6.1)	6	In-line Flare, Rocker Switch
D21X005	Not Available*	12V	60(4.1)	Yes	Santoprene	Viton	2.0(7.6)	3	In-line Connector, Rocker Switch
D21X007	Not Available*	12V	No	50(3.4)	BUNA	Viton	1.6(6.1)	3	In-line Connector, Discharge Left
D3131B1311	D3131B1311R	12V(24V)**	No	50(3.4)	BUNA	BUNA	1.6(6.1)	3	
D3131B5011	D3131B5011R	12V(24V)**	60(4.1)	Yes	BUNA	BUNA	1.6(6.1)	3	
D3131E1311	D3131E1311R	12V(24V)**	No	50(3.4)	EPDM	EPDM	1.6(6.1)	3	
D3131E5011	D3131E5011R	12V(24V)**	60(4.1)	Yes	EPDM	EPDM	1.6(6.1)	3	
D3131I1311	Not Available*	12V(24V)**	No	50(3.4)	BUNA	Viton	1.6(6.1)	3	
D3131V1311	D3131V1311R	12V(24V)**	No	50(3.4)	Viton	Viton	1.6(6.1)	3	
D3131V5011	D3131V5011R	12V(24V)**	60(4.1)	Yes	Viton	Viton	1.6(6.1)	3	
D3135B7011	D3135B7011R	12V(24V)**	100(6.9)	Yes	BUNA	BUNA	2.0(7.6)	5	
D3135E7011	D3135E7011R	12V(24V)**	100(6.9)	Yes	EPDM	EPDM	2.0(7.6)	5	
D71X000	D71X000R	12V	No	50(3.4)	BUNA	BUNA	2.0(7.6)	6	Heavy Duty Motor, Discharge Left
D71X001	Not Available*	12V	No	50(3.4)	BUNA	BUNA	2.0(7.6)	6	
D1335E7011	Not Available	36V	100(6.9)	Yes	EPDM	EPDM	2.0(7.6)	5	Discharge Left
D1425E7011	Not Available*	115VAC	100(6.9)	Yes	EPDM	Viton	1.4(5.3)	5	
D1625F7011	Not Available	115VAC	100(6.9)	Yes	Santoprene	Viton	1.4(5.3)	5	
D1625H7011	Not Available*	115VAC	100(6.9)	Yes	Santoprene	EPDM	1.4(5.3)	5	
D1631F1311	Not Available*	115VAC	No	50(3.4)	Santoprene	Viton	1.6(6.1)	3	
D1631F5011	Not Available*	115VAC	60(4.1)	Yes	Santoprene	Viton	1.6(6.1)	3	
D1631H1311	D3631H1311R	115VAC	No	50(3.4)	Santoprene	EPDM	1.6(6.1)	3	
D1631H5011	D3631H5011R	115VAC	60(4.1)	Yes	Santoprene	EPDM	1.6(6.1)	3	
D1635E7011	D3635E7011R	115VAC	100(6.9)	Yes	EPDM	EPDM	2.0(7.6)	5	(Need To Release) Obsolete *J Models
D1635F7011	Not Available*	115VAC	100(6.9)	Yes	Santoprene	Viton	2.0(7.6)	5	
D1635F021	Not Available*	115VAC	100(6.9)	Yes	Santoprene	Viton	2.0(7.6)	5	3/8" (9.52mm) OD JIG
D3631B1311	Not Available*	115VAC	No	50(3.4)	BUNA	BUNA	1.6(6.1)	3	
D3631B5011	Not Available*	115VAC	60(4.1)	Yes	BUNA	BUNA	1.6(6.1)	3	
D3631V1311	Not Available*	115VAC	No	50(3.4)	Viton	Viton	1.6(6.1)	3	
D3631V5011	Not Available*	115VAC	60(4.1)	Yes	Viton	Viton	1.6(6.1)	3	
D3635B7011	Not Available*	115VAC	100(6.9)	Yes	BUNA	BUNA	2.0(7.6)	5	
D3635E5011	Not Available*	115VAC	60(4.1)	Yes	BUNA	BUNA	2.0(7.6)	6	6' (1.83m) cord

* Consult your local Flojet representative

** Available in 24V. Consult your local Flojet representative for correct part number

MODELS (CONTINUED)

MODEL #S	MODEL #S CE CERTIFIED	VOLTAGE	SWITCH PSI (BAR)	BYPASS PSI (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	CURVE #	COMMENTS
D3835B7011	Not Available*	115VAC	100(6.9)	Yes	BUNA	BUNA	2.0(7.6)	5	6' (1.83m) cord
D3835E7011	Not Available*	115VAC	100(6.9)	Yes	EPDM	EPDM	2.0(7.6)	5	6' (1.83m) cord
D3835H5011	Not Available*	115VAC	60(4.1)	Yes	Santoprene	EPDM	2.0(7.6)	6	6' (1.83m) cord
D3835V5011	Not Available*	115VAC	60(4.1)	Yes	Viton	Viton	2.0(7.6)	6	6' (1.83m) cord
D4822H4011	Not Available*	115VAC	45(3.1)	Yes	Santoprene	EPDM	1.2(4.6)	1	6' (1.83m) cord
D1735J7011RL	D1735J7011RL	230VAC	100(6.9)	Yes	EPDM	Viton	2.0(7.6)	5	In-line RFI Suppression
D3732B1311RL	D3732B1311RL	230VAC	No	50(3.4)	BUNA	BUNA	1.6(6.1)	3	In-line RFI Suppression
D3732B5011RL	D3732B5011RL	230VAC	60(4.1)	Yes	BUNA	BUNA	1.6(6.1)	3	In-line RFI Suppression
D3732H1311RL	D3732H1311RL	230VAC	No	50(3.4)	Santoprene	EPDM	1.6(6.1)	3	In-line RFI Suppression
D3732H5011RL	D3732H5011RL	230VAC	60(4.1)	Yes	Santoprene	EPDM	1.6(6.1)	3	In-line RFI Suppression
D3732V1311RL	D3732V1311RL	230VAC	No	50(3.4)	Viton	Viton	1.6(6.1)	3	In-line RFI Suppression
D3732V5011RL	D3732V5011RL	230VAC	60(4.1)	Yes	Viton	Viton	1.6(6.1)	3	In-line RFI Suppression
D3735B7011RL	D3735B7011RL	230VAC	100(6.9)	Yes	BUNA	BUNA	2.0(7.6)	5	In-line RFI Suppression
D3735H7011RL	D3735H7011RL	230VAC	100(6.9)	Yes	Santoprene	EPDM	2.0(7.6)	5	In-line RFI Suppression
D37X006AR	D37X006AR	230VAC	60(4.1)	Yes	Santoprene	EPDM	1.4(5.3)	4	Induction motor- continuously running. Not available from Europe only

FLOJET

03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

TRIPLEX COMPACT RANGE



FOR INTERNATIONAL & US MARKETS

The Triplex Compact range pump was designed specifically for the Agricultural market. Flojet's new three chamber design and versatile features make it ideal for sprayers and many other transfer and dispensing applications.

This automatic demand pump is fitted with a sealed pressure switch and motor, is self-priming, can run dry, and can be installed in compact spaces.



FEATURES

- Compact automatic demand pump
- Sealed pressure switch and motor
- Self-priming; pump can be located above supply tank
- Can run dry for extended periods of time without damage
- Flow rates to 2.0 GPM (7.6 LPM) and operating pressure to 60 psi (4.1 bar)

APPLICATIONS

- Small Boom and Spot Spraying
- Foam Marking
- Silage Spraying
- Estate Spraying
- Livestock and Poultry Cooling
- Dispensing
- Transfer of Liquids

SPECIFICATIONS

PUMP DESIGN	Motor Operated 3 Chamber diaphragm
MOTOR DESIGN	Permanent Magnet, TENV (non-ventilated)
VOLTAGE	12 VDC
AMP DRAW	8 amp max for 12 VDC
PUMP HEAD	Reinforced Polypropylene
ELASTOMERS DIAPHRAGM	Santoprene™
CHECK VALVE	EPDM or Viton
MAX. FLOW RATE	2.0 GPM (7.6 LPM)
MAXIMUM PRESSURE	60 psi (4.1 bar)
DUTY CYCLE	Intermittent
WEIGHT	3.4 lb (1.5 kg)
CERTIFICATIONS	CE, NSF components
PORT SIZE INLET/OUTLET	3/8" (9.52mm) NPT

INST. SHEET #481000-379

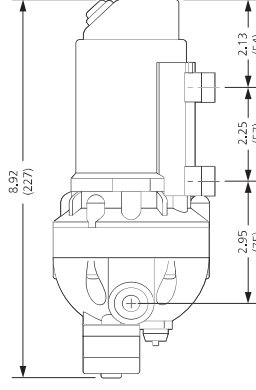
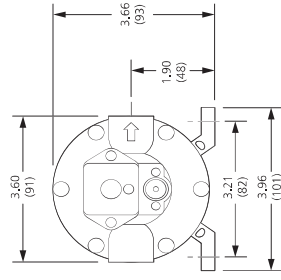
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MODELS

MODEL #S	CE	VOLTAGE	SWITCH PSI (BAR)	BYPASS PSI (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	PORTS	CURVE #	COMMENTS
03501132	R3501132	12V	60 (4.1)	Yes	Santoprene	Viton	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03501136	R3501136	12V	60 (4.1)	Yes	Santoprene	Viton	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03501142	R3501142	12V	60 (4.1)	Yes	Santoprene	EPDM	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03501146	R3501146	12V	60 (4.1)	Yes	Santoprene	EPDM	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03501503	R3501503	12V	60 (4.1)	Yes	Santoprene	Viton	2.0 (7.9)	3/8" (9.52mm) NPT	2	Rockler Switch, Inline Connector
03501505	R3501505	12V	60 (4.1)	Yes	Santoprene	Viton	1.4 (5.7)	3/8" (9.52mm) NPT	1	Inline Connector
03501506	R3501506	12V	60 (4.1)	Yes	Santoprene	Viton	2.0 (7.9)	3/8" (9.52mm) NPT	2	Inline Connector
03B01132	R3B01132	12V	No	50 (3.4)	Santoprene	Viton	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03B01136	R3B01136	12V	No	50 (3.4)	Santoprene	Viton	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03B01142	R3B01142	12V	No	50 (3.4)	Santoprene	EPDM	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03B01146	R3B01146	12V	No	50 (3.4)	Santoprene	EPDM	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03501332	R03501332	24V	60 (4.1)	Yes	Santoprene	Viton	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03501336	R3501336	24V	60 (4.1)	Yes	Santoprene	Viton	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03501342	R3501342	24V	60 (4.1)	Yes	Santoprene	EPDM	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03501346	R3501346	24V	60 (4.1)	Yes	Santoprene	EPDM	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03B01332	R3B01332	24V	No	50 (3.4)	Santoprene	Viton	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03B01336	R3B01336	24V	No	50 (3.4)	Santoprene	Viton	2.0 (7.9)	3/8" (9.52mm) NPT	2	
03B01342	R3B01342	24V	No	50 (3.4)	Santoprene	EPDM	1.4 (5.7)	3/8" (9.52mm) NPT	1	
03B01346	R3B01346	24V	No	50 (3.4)	Santoprene	EPDM	2.0 (7.9)	3/8" (9.52mm) NPT	2	

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

TRIPLEX HI-PRESSURE PUMPS

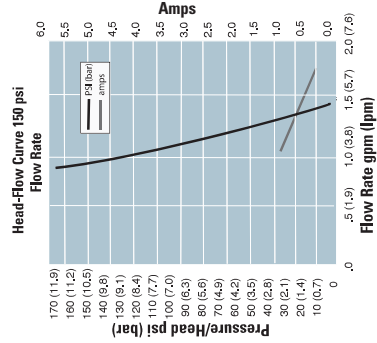
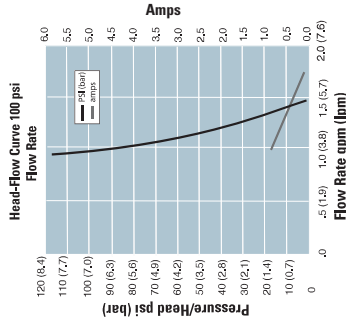


FOR INTERNATIONAL & US MARKETS

Flojet Triplex Hi-Pressure diaphragm pumps are capable of pressures up to 150 PSI (10.3 Bar), some of the highest pressures available in the diaphragm pump industry. This is ideal for applications such as spraying, misting, filtration, cooling, dispensing and pressure boosting.



PERFORMANCE



FEATURES

- Constructed from a selection of materials suitable for Handling a broad range of chemicals.
- Sealed pressure switch and motor
- Self-priming up to 8 feet (2.4m); pump can be located above supply tank
- Can run dry for extended periods of time without damage
- Flow rates to 1.4 GPM (5.5 LPM) and operating pressure to 160 psi (11 bar)

APPLICATIONS

- Designed for wide range of applications
- Small Boom and Spot Spraying
- Silage Treatment
- Estate Spraying
- Livestock and Poultry Cooling
- Dispensing
- Transfer of liquids

SPECIFICATIONS

PUMP DESIGN	Motor Operated 3 Chamber diaphragm
MOTOR DESIGN	Permanent Magnet DC and rectified (PMDC) AC
VOLTAGE	12, 24 VDC, 115, 230 VAC
CYCLES	50/60 Hz
AMP DRAW	9 amp max for 12 VDC, 0.95 amp max for 115 VAC
PUMP HEAD	Glass filled Nylon
ELASTOMERS DIAPHRAGM	EPDM or Viton
CHECK VALVE	Santoprene™
MAX. FLOW RATE	1.4 GPM (5.5 LPM)
MAXIMUM PRESSURE	160 psi (10.1 bar) switch cutoff 140 psi (9.7 bar) max running pressure
MAX. LIQUID TEMP	40° F (4° C) Min, 140° F (60° C) Max
DUTY CYCLE	Intermittent
WEIGHT	7.6 lb (3.5 Kg)
CERTIFICATIONS	CE NSF components
PORT SIZE INLET/OUTLET	3/8" (9.52mm) NPTF

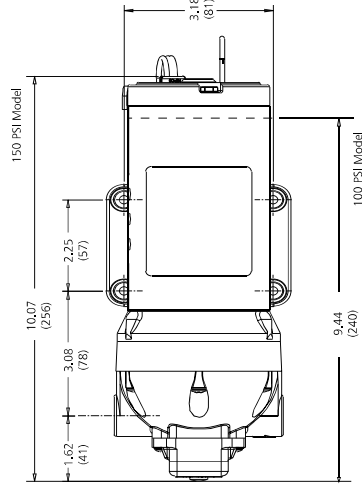
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MODELS

MODELS	CE	VOLTAGE	SWITCH PSI (BAR)	BYPASS PSI (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	PORTS
03711133	R3711133	12V	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711143	R3711143	12V	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811133	R3811133	12V	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811143	R3811143	12V	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711333	R3711333	24V	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711343	R3711343	24V	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811333	R3811333	24V	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811343	R3811343	24V	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711033	R3711033	110VAC	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711043	R3711043	110VAC	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811033	R3811033	110VAC	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811043	R3811043	110VAC	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711233	R3711233	230VAC	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03711243	R3711243	230VAC	100 (6.9)	Yes	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811233	R3811233	230VAC	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT
03811243	R3811243	230VAC	150 (10.5)	No	Santoprene	Viton	1.4 (5.5)	3/8" (9.52mm) NPT

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

TRIPLEX HI-FLOW RANGE

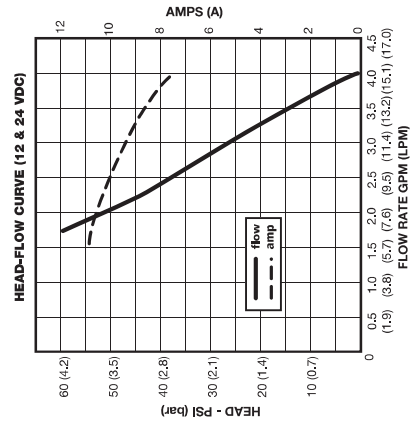
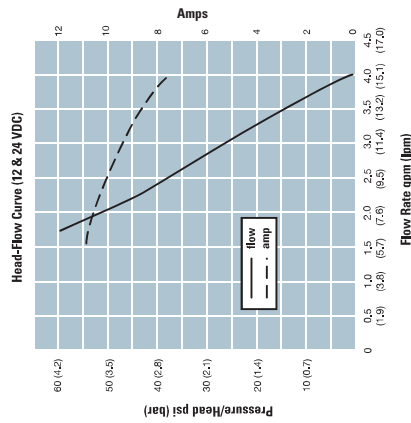


FOR INTERNATIONAL & US MARKETS

FLOJET Triplex High Flow Series pumps are designed for a wide range of applications and are constructed from a selection of materials suitable for handling a broad range of chemicals. The Triplex High Flow pumps are self-priming and can run dry without harm.



PERFORMANCE



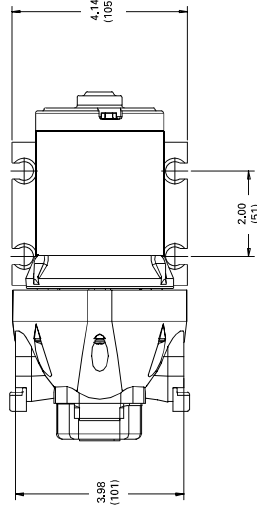
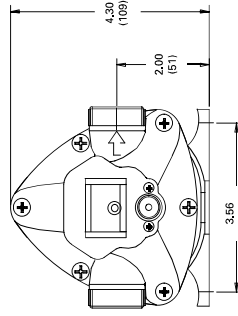
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MODELS

MODEL FS	CE	VOLTAGE	SWITCH PSJ (BAR)	BYPASS PSJ (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	MOTOR SIZE	FITTINGS
03521134	R3521134	12V	50 (3.4)	Yes	Santoprene	Viton	3.0 (11.3)	2.3" (59mm) Light Duty	½" (12.7mm) HB ST
03521139	R3521139	12V	60 (4.1)	Yes	Santoprene	Viton	4.0 (15.1)	3" (76.2mm)	½" (12.7mm) HB ST
03521144	R3521144	12V	50 (3.4)	Yes	Santoprene	EPDM	3.0 (11.3)	2.3" (59mm) Light Duty	½" (12.7mm) HB ST
03521149	R3521149	12V	60 (4.1)	Yes	Santoprene	EPDM	4.0 (15.1)	3" (76.2mm)	½" (12.7mm) HB ST
03521334	R3521334	24V	50 (3.4)	Yes	Santoprene	Viton	3.0 (11.3)	2.3" (59mm) Light Duty	½" (12.7mm) HB ST
03521339	R3521339	24V	60 (4.1)	Yes	Santoprene	Viton	4.0 (15.1)	3" (76.2mm)	½" (12.7mm) HB ST
03521344	R3521344	24V	50 (3.4)	Yes	Santoprene	EPDM	3.0 (11.3)	2.3" (59mm) Light Duty	½" (12.7mm) HB ST
03521349	R3521349	24V	60 (4.1)	Yes	Santoprene	EPDM	4.0 (15.1)	3" (76.2mm)	½" (12.7mm) HB ST

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

QUAD 4000 SERIES



FOR INTERNATIONAL & US MARKETS

Flojet developed the quad pumps to deliver higher flows up to 5 GPM (18.92 LPM) using a four-piston design with excellent self-priming capability.

FEATURES

- Built-in pressure switch automatically starts and stops pump instantaneously when discharge valve opens and closes
- Compact design and plug-in port fittings make installation easy
- Can run dry without damage and handle liquids up to 130° F (54° C)
- No metal contact with liquid being pumped
- Ball bearing drive throughout pump and motor assures longer pump life
- Excellent self-priming capability. Pump may be located above the liquid level
- Powerful, permanent magnet motor with low current draw and long life brushes

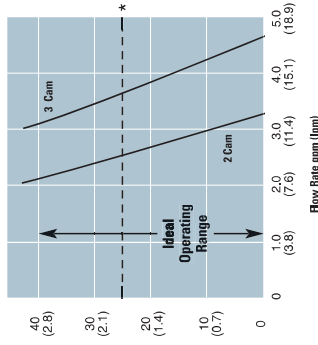


SPECIFICATIONS

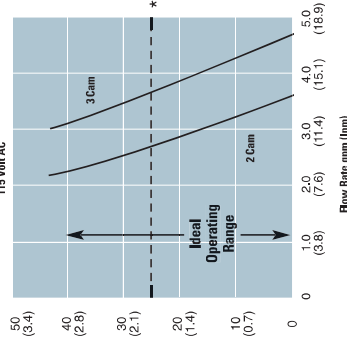
FLOW RATE	3.5 to 5.0 GPM (13.2 and 18.9 LPM) Nominal
PUMP DESIGN	Diaphragm
MOTOR	TEFC/TENV Permanent Magnet Motor
VOLTAGE	12 & 24 Volt DC, 115 & 230 Volt AC
CYCLE	50/60 hertz for AC Models
CURRENT	1.5 amp max. (115V)
PRESSURE SWITCH SETTING	45 PSI (3.2 bar) cut-out
MAXIMUM OPERATING PRESSURE	40 PSI (2.8 bar)
SELF-PRIMING	Up to 8 ft. (2.4 m) Vertical Height
PORTS *	Plug-In Ports 1/2" (12.7 mm) or 3/8" (19 mm) Hose Barb Standard
WETTED PARTS	Housing: Modified Polypropylene - Standard, Elastomers: Santoprene® and Buna - Standard
NET WEIGHT	4 lbs. (2 kg)

*Consult your local Flojet representative for other type of Port Fittings 4300 and Iseries; INST. SHEET # 81000-084 4100 series; INST. SHEET # 81000-176 AC; VSD; INST. SHEET # 81000-388

PERFORMANCE



*Continuous Duty Max Pressure For No Switch 3 Cam Models



*Continuous Duty Max Pressure For No Switch 3 Cam Models

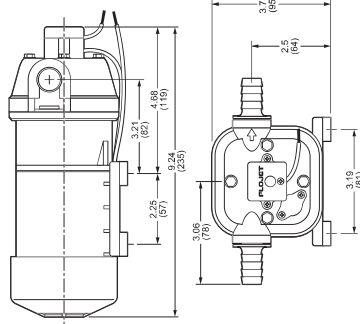
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MODELS

MODEL #S	CE	VOLTAGE	SWITCH PSI (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	FITTINGS	COMMENTS
04100113	No	12V	No	Geolast	BUNA	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04100143	R4100143	12V	No	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04100505	No	12V	No	Santoprene	VITON	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04300112	No	12V	45 (3.1)	Geolast	BUNA	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04300142	R4300142	12V	45 (3.1)	Santoprene	EPDM	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04300143	R4300143	12V	45 (3.1)	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300500	R4300500	12V	45 (3.1)	Santoprene	VITON	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04300504	R4300504	12V	45 (3.1)	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300506	R4300506	12V	45 (3.1)	Geolast	BUNA	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300528	No	12V	45 (3.1)	Santoprene	VITON	3.8 (14.5)	1/2" (12.7 mm) HB ST & GH x 1/2" MNPT	In-line connector, Rocker Switch
04100343	R4100343	24V	No	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300342	R4300342	24V	45 (3.1)	Santoprene	EPDM	3.7 (14.0)	3/4" (14.05 mm) HB ST	
04300343	R4300343	24V	45 (3.1)	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04100511	No	36V	No	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04100500	R4100500	115VAC	No	Santoprene	EPDM	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04100502	No	115VAC	No	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300042	No	115VAC	45 (3.1)	Santoprene	EPDM	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04300043	No	115VAC	45 (3.1)	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300501	R4300501	115VAC	45 (3.1)	Santoprene	VITON	3.7 (14.0)	3/4" (12.7 mm) HB ST	
04300515	No	115VAC	45 (3.1)	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	
04300525	No	115VAC	45 (3.1)	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	6' (1.83m) cord
04300529	No	115VAC	40 (2.8)	Santoprene	VITON	3.0 (11.5)	3/4" (12.7 mm) HB ST	Cord / Continuous Duty/ Induction motor
04300531	No	115VAC	40 (2.8)	Santoprene	EPDM	3.0 (11.5)	3/4" (12.7 mm) HB ST	Cord / Continuous Duty/ Induction motor
I102010211	No	115VAC	No	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	6' (1.83m) cord
I103050211	No	115VAC	No	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	6' (1.83m) cord
I301050110	No	115VAC	45 (3.1)	Santoprene	EPDM	3.7 (14.0)	3/4" (12.7 mm) HB ST	6' (1.83m) cord
I304010110	No	115VAC	45 (3.1)	Santoprene	VITON	3.7 (14.0)	3/4" (12.7 mm) HB ST	6' (1.83m) cord
R4300538	Yes (see left)	230VAC	35 (2.4)	Santoprene	EPDM	4.5 (17.0)	3/4" (14.05 mm) HB ST + 1/2" HB ELB	Induction motor/ Continuous Duty
R4300539	Yes (see left)	230VAC	35 (2.4)	Santoprene	EPDM	3.5 (13.0)	3/4" (14.05 mm) HB ST + 1/2" HB ELB	Induction motor/ Continuous Duty
R4320242	Yes (see left)	230VAC	35 (2.4)	Santoprene	EPDM	3.7 (14.0)	3/4" (12.7 mm) HB ST	
R4320243	Yes (see left)	230VAC	35 (2.4)	Santoprene	EPDM	5.0 (19.0)	3/4" (14.05 mm) HB ST	
R4320252	Yes (see left)	230VAC	35 (2.4)	Santoprene	VITON	3.7 (14.0)	3/4" (12.7 mm) HB ST	
R4320253	Yes (see left)	230VAC	35 (2.4)	Santoprene	VITON	5.0 (19.0)	3/4" (14.05 mm) HB ST	

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

MOTOR DRIVEN PUMPS

PENTAFLEX SERIES



FOR INTERNATIONAL & US MARKETS

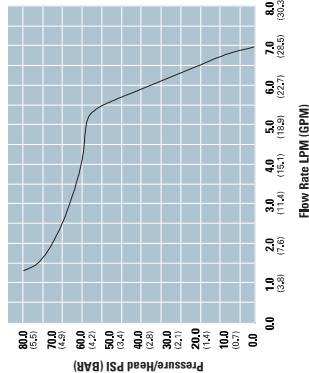
Flojet's Pentaflex delivers breakthrough performance for high flow and high pressure applications. These pumps are engineered and constructed of materials suited to handle a broad range of chemicals. The Pentaflex pump self-priming and can run dry for short periods of time. They are designed as duty cycle pump but can run continuously for short periods of time. Typical applications include transfer, delivery, spraying, cooling, filtration, dispensing, and pressure boosting. EPDM valves with Santoprene diaphragms are available at this time. Additional materials are currently being tested.



SPECIFICATIONS

PUMP BODY	Glass Filled Nylon
PUMP DESIGN	5 Chamber Diaphragm
SUCTION LIFT	Self Priming to 8 ft. (2.5 m)
PORTS	(2) - 3/4" (19 mm) Hose Barb (2) - 3/8" (19 mm) Hose Barb 90° Elbow
MOTOR	Permanent Magnet

PERFORMANCE

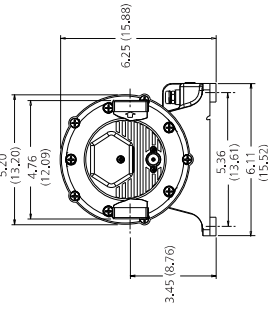
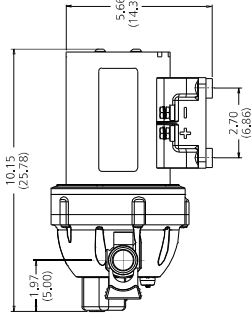


MODELS

MODEL #S	CE	VOLTAGE	SWITCH PSI (BAR)	BYPASS PSI (BAR)	DIAPHRAGM	CHECK VALVE	OPEN FLOW GPM (LPM)	FITTINGS
R7300142A	Yes	12	80 (5.5)	Yes	Santoprene	EPDM	7.0 (26.5)	3/8" (19.05 mm) HB ST
R7300342A	Yes	24	80 (5.5)	Yes	Santoprene	EPDM	7.0 (26.5)	3/8" (19.05 mm) HB ST
R7300132A	Yes	12	80 (5.5)	Yes	Santoprene	Viton	7.0 (26.5)	3/8" (19.05 mm) HB ST
R7300332A	Yes	24	80 (5.5)	Yes	Santoprene	Viton	7.0 (26.5)	3/8" (19.05 mm) HB ST

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



AIR DRIVEN PUMPS

N5100 SERIES



FOR INTERNATIONAL & US MARKETS

Flojet air operated diaphragm pumps offer excellent self-priming capability. Pumps can be located above the supply tank. Suction-side foot valve is recommended for best operation. Liquid pressure is regulated by supply air pressure. No bypass or pressure relief plumbing is necessary. Choice of Santoprene, Buna, or Viton elastomers provide a wide range of chemical compatibility. Quick disconnect liquid and gas port fittings provided for easy installation.



FEATURES

- Compact design with plug-in hose connections for quick installation
- Variety of elastomers to ensure chemical compatibility
- Variable capacity from zero to the maximum flow
- No pressure relief or bypass plumbing required
- Excellent self-priming. Pump may be located above the liquid level

SPECIFICATIONS

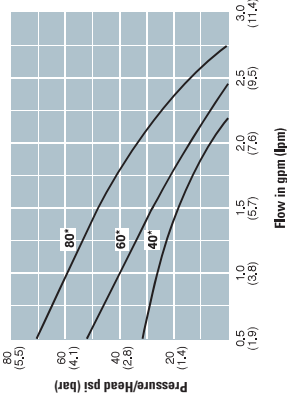
PUMP	Air-operated positive displacement double diaphragm pump
FLOW RATE	Up to 2.5 GPM (9.5 L/min)
PRESSURE	20 to 75 PSI (1.38 to 5.51 bar)
PORTS	Liquid 3/8" (114.3 mm) Air 1/4" (76.2 mm)
WETTED PARTS	Buna, Santoprene®, Geolast® or Viton® for diaphragms and valves Acetal copolymer for housing
SELF-PRIMING	28 ft. (8.5 m) Dry, 32 ft. (9.8 m) Wet
GAS/AIR CONSUMION	Air Supply must be oil free and dry. 40 PSI at 1 GPM - 0.45 C.F.M., 60 PSI at 1 GPM - 0.58 C.F.M., 80 PSI at 1 GPM - 0.77 C.F.M.

INST. SHEET #81000-363

MODELS

MODEL #S	CE	DIAPHRAGM	CHECK VALVE	LIQUID FITTINGS	AIR INLET & AIR OUTLET	MAX OPEN FLOW GPM (LPM)	COMMENTS
N5100010	Yes	BUNA	BUNA	3/8" HB ST	1/4" HB ST	2.5 (9.5)	
N5100020	Yes	VITON	VITON	3/8" HB ST	1/4" HB ST	2.5 (9.5)	
N5100040	Yes	SANTOPRENE	SANTOPRENE	3/8" HB ST	1/4" HB ST	2.5 (9.5)	
N5100050	Yes	GEOLAST	GEOLAST	3/8" HB ST	1/4" HB ST	2.5 (9.5)	
N5100500	Yes	SANTOPRENE	SANTOPRENE	3/8" HB ST	1/4" HB ST	2.5 (9.5)	Teflon O-Ring

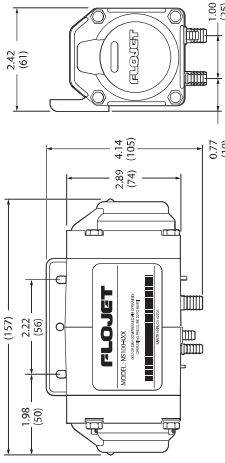
PERFORMANCE



*Indicates Air Inlet Pressure in PSI

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

AIR DRIVEN PUMPS

G57 SERIES



FOR INTERNATIONAL & US MARKETS

Innovative compact design features a patented shuttle valve that eliminates stalling and provides a long life. Chemically resistant Polypropylene body with a choice of Santoprene®, Viton® or Kalrez® elastomers. Quick disconnect liquid and gas port fittings for easy installation.



FEATURES

- Highest flow rate for any air pump of comparable size
- Stall proof design with patented shuttle valve
- Easy installation with all quick disconnect ports
- Robust design with durable integral mounting
- Sanitary design with inset molded diaphragm
- Leak resistant radial seals, no critical O-ring seals
- Quiet operation with large exhaust muffler

SPECIFICATIONS

PUMP	Air operated positive displacement double diaphragm pump
FLOW RATE	Up to 5 gpm (19 lpm)
PRESSURE	20 to 100 PSI (1.38 to 8.27 bar) (Same as inlet air pressure)
PORTS	Liquid 3/8" (11.4, 3mm), 1/2" (15.2, 4mm) and 3/4" (22.8, 6mm) HB Liquid 3/8" (15.2, 4mm) and 1/2" (15.2, 4mm) MNPT Air Inlet 1/4" (7.6, 2mm) HB
WEI TED PARTS	
BODY	Polypropylene
DIAPHRAGM	Santoprene®, Viton® or Kalrez®
CHECK VALVES	Santoprene®, Viton®, or Viton Extreme
SPRINGS	Hastelloy C
NET WEIGHT	1.2 pounds (0.54 kg)

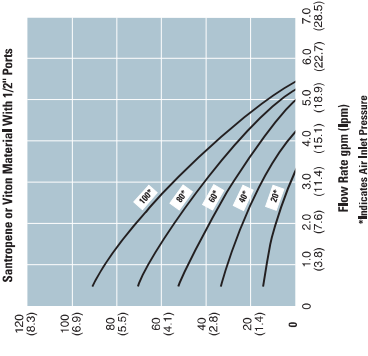
Santoprene and Viton: INST. SHEET # 82000-014

Kalrez: INST. SHEET # 81000-439

Kalrez® and Viton® Extreme are trademarks or registered trademarks of DuPont Performance Elastomers.

PERFORMANCE

Santoprene or Viton Material With 1/2" Ports



*Indicates Air Inlet Pressure

FLOJET

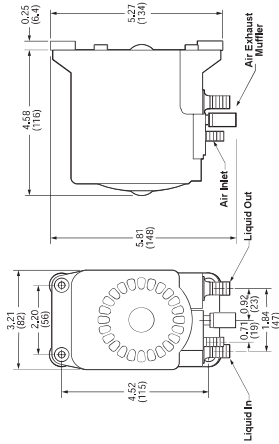
FLOJET

MODELS

MODEL #S	DIAPHRAGM	CHECK VALVE	LIQUID FITTINGS IN. (MM)	AIR INLET	MAX OPEN FLOW GPM (LPM)	COMMENTS
G573000	Viton	Polypropylene	NONE	NONE	5.0 (19.0)	
G573205	Viton	Polypropylene	1/2-3/8" HB ST (10-13mm)	1/4" HB Brass	5.0 (19.0)	
G573215	Viton	Polypropylene	1/4" HB ST (12.7)	1/4" HB Brass	5.0 (19.0)	
G573145	Viton	Polypropylene	1/4" HB ST (19)	1/4" HB Brass	5.0 (19.0)	
G573185	Viton	Polypropylene	1/2" OD JG (12.7)	1/4" HB Brass	5.0 (19.0)	
G573175	Viton	Polypropylene	3/8" MNPT ST (9.5)	1/4" HB Brass	5.0 (19.0)	
G575005	Santoprene	Polypropylene	1/2" MNPT ST (12.7)	1/4" HB Brass	5.0 (19.0)	
G575005	Santoprene	Polypropylene	NONE	1/4" HB Brass	5.0 (19.0)	
G575215	Santoprene	Polypropylene	3/8" HB ST (10/13 mm)	1/4" HB Brass	5.0 (19.0)	
G575225	Santoprene	Polypropylene	1/2" HB ST (12.7)	1/4" HB Brass	5.0 (19.0)	
G575225	Santoprene	Polypropylene	3/4" HB ST (19)	1/4" HB Brass	5.0 (19.0)	
G575145	Santoprene	Polypropylene	1/2" OD JG (12.7)	1/4" HB Brass	5.0 (19.0)	
G575185	Santoprene	Polypropylene	3/8" MNPT ST (9.5)	1/4" HB Brass	5.0 (19.0)	
G575175	Santoprene	Polypropylene	1/2" MNPT ST (12.7)	1/4" HB Brass	5.0 (19.0)	
G57C002	Kalrez	Polypropylene	NONE	1/4" HB Brass	5.0 (19.0)	
G57C202	Kalrez	Polypropylene	1/2-3/8" HB ST (10-13mm)	1/4" HB Brass	5.0 (19.0)	
G57C203	Kalrez	Polypropylene	1/2-3/8" HB ST (10-13mm)	1/4" HB EL Brass	5.0 (19.0)	
G57C212	Kalrez	Polypropylene	1/2" HB ST (12.7)	1/4" HB Brass	5.0 (19.0)	
G57C213	Kalrez	Polypropylene	1/2" HB ST (12.7)	1/4" HB EL Brass	5.0 (19.0)	
G57C223	Kalrez	Polypropylene	3/4" HB ST (19)	1/4" HB Brass	5.0 (19.0)	
G57C182	Kalrez	Polypropylene	3/8" MNPT ST (9.5)	1/4" HB EL Brass	5.0 (19.0)	
G57C172	Kalrez	Polypropylene	1/2" MNPT ST (12.7)	1/4" HB Brass	5.0 (19.0)	
G57C152	Kalrez	Polypropylene	3/8" OD JG (9.5)	1/4" HB Brass	5.0 (19.0)	
G57C112	Kalrez	Polypropylene	1/2" OD JG (12.7)	1/4" HB Brass	5.0 (19.0)	

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



03 Diaphragm Pumps

AIR DRIVEN PUMPS

G57 SERIES DUAL HIGH FLOW



FOR INTERNATIONAL & US MARKETS



FEATURES

- Flows to 10 GPM (38 L/min)
- Chemically resistant Polypropylene housings with Viton and Santoprene elastomers
- Easy installation with 1/2"± (12.7 mm) Dual and 3/4"± (19.1 mm) Quatro pump manifolds
- Duplex diaphragm design
- Patented shuttle valves eliminates stalling
- Compact size

SPECIFICATIONS

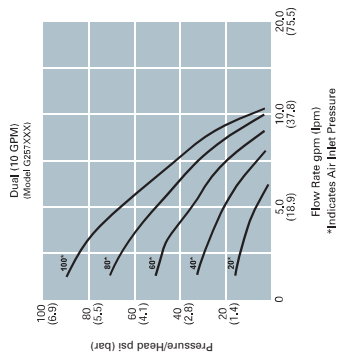
PUMP DESIGN	Positive Displacement Double Diaphragm
FLOW RATE (DUAL)	Up to 10.0 GPM (37.8 LPM)
OPERATING PRESSURE	20 to 100 PSI (1.4 to 6.0 bar)
LIQUID INLET PRESSURE	30 PSI (2.1 bar) Max.
LIQUID TEMPERATURE	Min. 40° F (4.4° C), Max. 140° F (60.0° C)
PRIMING	Dry 15ft (4.5 m), Wet 20ft (6.1 m)
AIR SUPPLY PRESSURE	20 to 100 PSI (1.4 to 6.9 bar)
NOISE	Max 90 dB

INST. SHEET #81000-354

MODELS

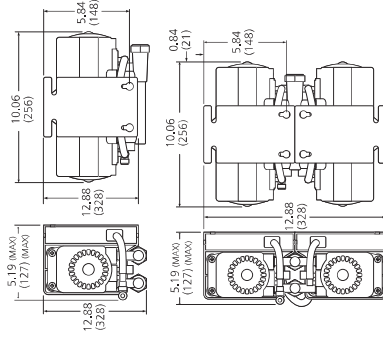
MODEL #S	CE	DIAPHRAGM	CHECK VALVE	LIQUID FITTINGS IN. (MM)	AIR INLET IN. (MM)	MAX OPEN FLOW GPM (LPM)	COMMENTS
G257301A	Yes	VTON	POLYPRO	1/2" NPTF (12.7)	1/4" HB-ST (6.4)	10.0 (38.0)	
G257302A	Yes	VTON	POLYPRO	1/2" NPTF (12.7)	1/4" OD EL (6.4)	10.0 (38.0)	
G257501A	Yes	SANTOPRENE	POLYPRO	1/2" NPTF (12.7)	1/4" HB-ST (6.4)	10.0 (38.0)	
G257502A	Yes	SANTOPRENE	POLYPRO	1/2" NPTF (12.7)	1/4" OD EL (6.4)	10.0 (38.0)	
G577000A	Yes	SANTOPRENE	POLYPRO	NONE	NONE	5.0 (19.0)	Santoprene reverse flow for dual G57
G578000A	Yes	VTON	POLYPRO	NONE	NONE	5.0 (19.0)	Viton reverse flow for dual G57

PERFORMANCE



DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



FLOJET

PERMANENT MAGNET MOTORS

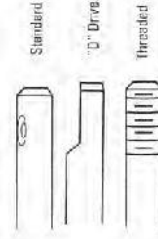


FOR INTERNATIONAL & US MARKETS

Flojet manufactures a wide range of 3" (76.2mm) diameter permanent magnet motors. These are designed as a more cost-effective alternative to larger series wound or induction type motors. They also offer flexibility of speed in the range of 1000 to 5000 rpm. Low heat rise and high efficiency ensures long and reliable service life. The ease with which these motors can be adapted to any application is enhanced by the availability of various motor lengths and shaft configurations. The fact that the motors are bidirectional increases their versatility. Most of our motors have the appropriate agency approvals including UL, CSA and CE.



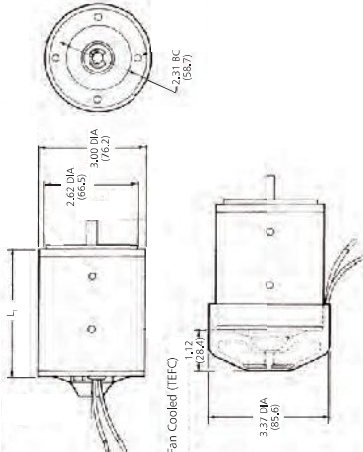
MOTOR SHAFT CONFIGURATION



DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.

Totally Enclosed (TENV)



FEATURES

- Highly efficient permanent magnet design
- Combines advantages of low amp draw heat rise with high torque and low speed
- Diamond-turned commutator
- Delivers up to 1/8 H.P. in compact 3" (76.2mm) diameter
- 6, 12, 24, 32, 36, 115, 230 and 240 volt AC or DC
- Lightweight double insulated armatures
- High starting torque - up to 600% of rated torque
- Speed control capability
- Available with internal solid state rectifier (AC models only)
- Instant reversibility (DC voltages)
- Thermo protection available
- Dynamic braking capability
- UL recognised (115 Volt AC models only)
- Partial or full suppression available with CE certification

SPECIFICATIONS

MOTOR DESIGN	Permanent Magnet
SIZE	3 in. (76.1 mm) Diameter
STACK LENGTH	1/2 in. - 2 in. (12.7 - 50.8 mm)
HORSEPOWER	Up to 1/8 - 1/8 H.P.
DUTY	Continuous or Intermittent
SPEED	1100-5000 R.P.M.
VOLTAGE	6-230 Volt DC or Rectified AC
INSULATION	Class B Standard
BEARINGS	Sleeve or Ball Bearing
ENCLOSURE	Totally Enclosed / Totally Enclosed Fan-Cooled

STACK LG. (APPROX) IN. (MM)	A IN. (MM)	MHP
0.5 (12.7)	2.87 (72.9)	20
0.875 (22.2)	3.25 (82.6)	50
1.25 (31.8)	3.7 (94)	75
1.875 (47.6)	4.4 (111.8)	100



WARNING

Explosion hazard. Motor can spark. Do not use where flammable vapors are present.

Air Driven

Diaphragm Pumps

03

03 Diaphragm Pumps

ACCESSORIES & FITTINGS

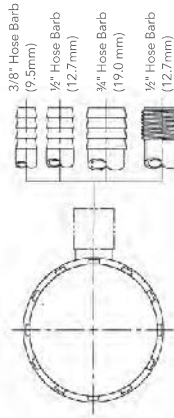
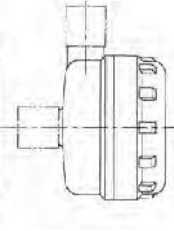


1720/1740/1745 SERIES INLET STRAINERS

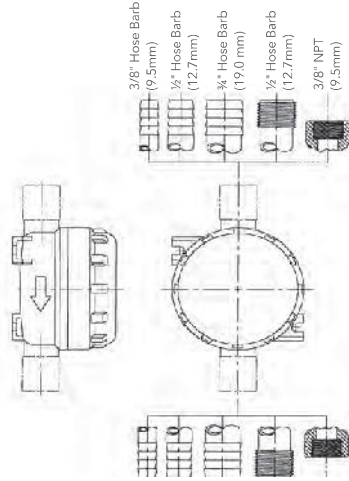
FOR INTERNATIONAL & US MARKETS



3/8" NPT (9.5mm) Quad Port



Inlet Strainer
(Plugs into Quad pump port)



FEATURES

- Low profile design for space saving installation.
- Very strong reinforced plastic base with clear cover.
- Wide variety of port configurations from 3/8" (19.4-1mm) to 3/8" (9.5mm).

SPECIFICATIONS

Base	Polypropylene, black
Cover	Polyethylene, smoke tinted
Screen	Stainless Steel 20 and 40 mesh Polypropylene Screen, 20 mesh
O-rings	Buna-N FDA Compound
TEMPERATURE	160°F (70°C) max.
DIMENSIONS	2.75" (70 mm) diameter x 2.25" (57 mm) high 4.75" (121 mm) max. port to port (1/2" hose barb) Plug-in style, 3.75" (96 mm) max. length

INST. SHEET #12345-000

MODELS

MODEL #	DESCRIPTION
01720-000	3/8" (9.5mm) x 3/8" (19.0mm) hose barb SS 20m
01720-002	1/2" (12.7mm) x 1/2" (12.7mm) hose barb SS 20m
01720-023	3/8" (9.5mm) hb x 3/8" (9.5mm) NPT (m) 90° SS 20m
01720-102	1/2" (12.7mm) x 1/2" (12.7mm) hose barb PP 20m
01720-103	3/8" (9.5mm) x 3/8" (9.5mm) hose barb PP 20m
01720-112	1/2" (12.7mm) x Quad port 90° PP 20m
01720-123	3/8" (9.5mm) hb x 3/8" (9.5mm) NPT (m) 90° PP 20m
01720-375	3/8" (9.5mm) NPT(f) x 3/8" (9.5mm) NPT(f) SS 20m
01740-000	3/4" (19.0mm) x 3/4" (19.0mm) hose barb SS 40m
01740-002	1/2" (12.7mm) x 1/2" (12.7mm) hose barb SS 40m
01740-003	3/8" (9.5mm) x 3/8" (9.5mm) hose barb SS 40m
01740-004	1/2" (12.7mm) x 1/2" (12.7mm) SS 40m
01740-010	3/4" (19.0mm) x Quad port 90° SS 40m
01740-012	1/2" (12.7mm) x Quad port 90° SS 40m
01740-014	1/2" (12.7mm) x Quad port 90° SS 40m
01740-375	3/8" (9.5mm) NPT(f) x 3/8" (9.5mm) NPT(f) SS 40m
017450-005	Strainer In-Line 3/4" (19.0mm) HB X 3/4" (19.0mm) HB SS 40M PETG VIT
017450-105	Strainer In-Line 1/2" (12.7mm) HB X QUAD PORT 90° 40M PETG VIT
017450-125	Strainer In-Line 1/2" (12.7mm) HB X QUAD PORT 90° 40M PETG VIT
017450-235	Strainer In-Line 3/8" (9.5mm) HB X 3/8" (9.5mm) MNPT SS 40M PETG VIT

SS - Stainless Steel PP - Polypropylene m - Mesh

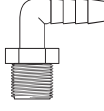


ELECTRIC PUMP FITTINGS

FOR INTERNATIONAL & US MARKETS

NYLON BARBED STRAIGHT/ELBOW

For use with all Duplex II Series Pumps (3/8" (9.5mm) NPT only).

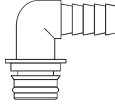
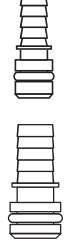


MODELS

PART # STRAIGHT	PART # ELBOW	DESCRIPTION
91010-032	91010-033	3/8" (9.5mm) NPT Male x 1/4" (6.4mm) Barb
91010-004	91010-003	1/4" (6.4mm) NPT Male x 3/8" (9.5mm) Barb
91010-002	91010-001	3/8" (9.5mm) NPT Male x 3/8" (9.5mm) Barb
91010-034	91010-025	1/4" (6.4mm) NPT Male x 3/8" (9.5mm) Barb
91010-006	91010-005	3/8" (9.5mm) NPT Male x 1/4" (6.4mm) Barb
91010-053	91010-052	1/4" (6.4mm) NPT Male x 1/4" (6.4mm) Barb
91006-477A	N/A	Wire Harness 9' (2.74m) with fuse rocker switch and inline connector

PLASTIC (POLYPROPYLENE, EPDM)* INLETS & OUTLETS

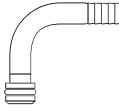
For use with all Quad and G57 Series Pumps



GAS PUMP FITTINGS

STAINLESS STEEL INLETS & OUTLETS (LIQUID FITTINGS)

For use with all S100 Series Pumps

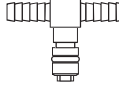
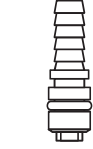


MODELS

PART # STRAIGHT	PART # ELBOW	DESCRIPTION
20324-030	20607-100	1/4" (6.4mm) Hose Barb
20325-030	20608-100	3/8" (9.5mm) Hose Barb
20606-100	N/A	1/2" (12.7 mm) Hose Barb

BRASS CO2/AIR INLETS WITH SHUT-OFF VALVE (AIR FITTINGS)

For use with all S100 and G Series Pumps

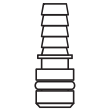


MODELS

PART # S	DESCRIPTION
1510-000	1/4" (6.4mm) Hose Barb, Straight
1520-000	1/4" (6.4mm) Hose Barb, Tee
1521-000	1/4" (6.4mm) Hose Barb, Elbow

PLASTIC (GELCON) CO2/AIR INLETS

For use with all S100 and G Series Pumps



MODELS

PART # S	DESCRIPTION
20325-033	1/4" (6.4mm) Hose Barb, Straight



PUREFLO® 21 SUPER HYGIENIC DIAPHRAGM PUMP

FOR INTERNATIONAL & US MARKETS

Jabco's Pureflo 4-piston diaphragm pump is designed to be used in pharmaceutical, biotech, food or cosmetic applications. The design complies with the stringent requirements of these industries. The pump and controls are mounted in a stainless steel cabinet. The system can be cleaned easily and the simple construction allows safe and easy use.



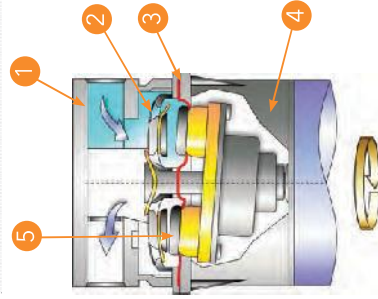
SPECIFICATIONS

DRIVE	24 V DC
MOTOR	IP 54
MOTOR PROTECTION	0 - 3,000 rpm
VARIABLE SPEED	0.42 Nm at 3,000 rpm
TORQUE	132 W/ft, 8.7 Amp
MOTOR POWER	
ELECTRICAL DETAILS	
POWER SUPPLY	Intelligent controls enable operation at most single phase supplies, 115-240 V AC, 50 or 60 Hz
CONTROLS VOLTAGE	24 V DC
PROGRAMMABLE CONTROLS	Touch Pad 1 - 100% r/d speed
MATERIALS / SURFACES	
	Parts in contact with fluid are manufactured from FDA conforming materials only.
	Surface finish Ra < 0.8 µ standard (32 micro inch), 0.5 µ (20 micro inch) and electro polish is available on request.
PARTS IN CONTACT WITH FLUID	
HEAD	Stainless Steel 316L
DIAPHRAGM	Santoprene
VALVES / O-RING	EPDM / Buna
VALVE CHAMBER & PISTONS	Polypropylene
PORTS	Tri-Clamp 3/4" (19mm)

FEATURES

- Bench top complete unit
- Fixed or variable speed AC unit
- Easy to clean, no shaft seals
- Can run dry
- Low noise, constant flow
- Compact and small
- Adjustable flow up to 365 gph (1,380 lph)
- Pressure up to 87 psi (6.0 bar), in constant use 72 psi (5.0 bar) should not be exceeded
- Temperature up to 140° F (60° C) in constant use, CIP up to 194° F (90° C) and SIP 275° F (135° C) is possible
- Viscosity up to 250 Centipoise
- Unit supplied with 3,1B material certificates
- SIP Capabilities

TECHNICAL AND CONSTRUCTION DETAILS



1. Low carbon 316L pump head for reduced carbide reactions, increased corrosion resistance and minimal carbon pullout.
2. Chemical resistant Polypropylene valve chamber and piston guarantees long-life of the system.
3. Hygienic Santoprene® diaphragm conforms to FDA requirements.
4. Non-contact cam assembly ensures super hygienic standards are maintained.
5. Valves in EPDM for optimum chemical resistance capability.

MODEL		PUREFLO 21	
Port Size	(inch)	Tri-Clamp 3/4	
	(mm)	19	
Max Flow (per min)	(GPM)	6	
	(LPM)	23	
Max Pressure	(psi)	87	
	(bar)	6	
Max Speed	(RPM)	3000	
Size LxBxH	(inch)	15x15x11.75	
	(mm)	380x385x300	
Weight	(lbs)	43	
	(kg)	19.5	
Max Operating Temp	(°F)	+140 (CIP 194)	
	(°C)	+60 (CIP 90)	
Viscosity	(cP)	250	

03 Diaphragm Pumps

ACCESSORIES & FITTINGS

VERSIJET™ SERIES

FOR INTERNATIONAL & US MARKETS



4.0 GPM				5.0 GPM			
PSI	GPM	AMPS	PSI	GPM	AMPS	PSI	AMPS
0	4.0	3.6	0	5.0	5.5		
10	3.8	5.0	10	4.7	7.9		
20	3.5	6.4	20	4.4	9.5		
30	3.3	7.8	30	4.1	10.9		
40	3.0	9.0	40	3.8	12.1		
50	2.7	10.1	50	3.4	13.1		
60	2.5	11.1	60	3.1	14.0		
70	2.2	12.0	70	2.8	14.7		

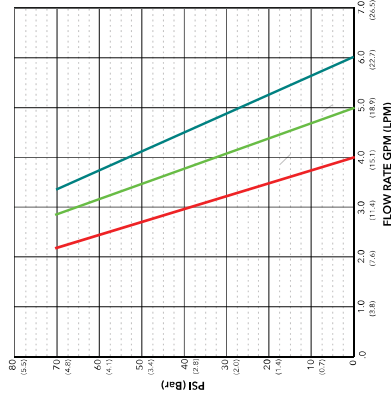
6.0 GPM				15.1 GPM			
PSI	GPM	AMPS	PSI	GPM	AMPS	PSI	AMPS
0	6.0	7.4	0	15.1	3.6		
10	5.7	8.3	10	14.2	5.0		
20	5.3	10.1	20	13.3	6.5		
30	4.9	11.6	30	12.3	7.8		
40	4.5	13.0	40	11.3	9.0		
50	4.1	14.4	50	10.3	10.1		
60	3.7	15.2	60	9.3	11.1		
70	3.3	15.6	70	8.3	12.0		

18.5 GPM				22.7 GPM			
PSI	GPM	AMPS	PSI	GPM	AMPS	PSI	AMPS
0	18.9	5.5	0	22.7	7.4		
10	18.1	7.9	10	21.4	8.3		
20	16.8	9.5	20	20.0	10.1		
30	15.5	10.9	30	18.5	11.6		
40	14.2	12.1	40	17.0	13.0		
50	13.0	13.1	50	15.5	14.4		
60	11.9	14.0	60	14.0	15.2		
70	10.6	14.7	70	12.5	15.6		

- FEATURES**
- Flow rates up to 6 GPM (22.7 LPM) and pressure of up to 70 PSI (4.8 Bar)
 - Constructed from a selection of materials suitable for handling a broad range of chemicals
 - Flojet's patented co-injected molded diaphragm and larger motor housings, significantly extends pump life up to 50% longer than existing Flojet Quad Series diaphragm pumps
 - Sealed motor and pressure switch provide years of dependable reliability
 - Self priming up to 10 ft (3m) (wetted)
 - IPX6 rated

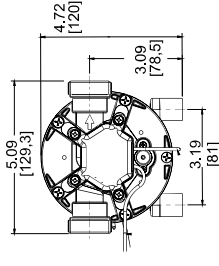
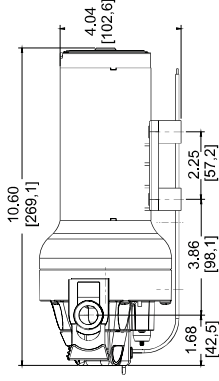
SPECIFICATIONS

MATERIALS	Pump Head - Glass Filled Nylon
	Diaphragm - Santoprene
	Check Valve - Glass Filled Nylon, EPDM
TEMPERATURE	160°F (70°C) max.
MOTOR DESIGN	Perm. magnet TENV (non-ventilated)
VOLTAGE OPTIONS	12 VDC, 24VDC
FLOW RATE (MAX)	6.0 GPM (22.7 LPM)
PRESSURE (MAX)	70 PSI (4.8 Bar)
DUTY CYCLE	Intermittent
WEIGHT	7.6 lbs. (3.5kg)
STANDARD PORT SIZE INLET/OUTLET	1/2" HB (4 GPM), 3/4" HB (5 and 6 GPM)
CERTIFICATIONS	CE, RoHS, IPX6



FLOJET

ELECTRIC PUMP FITTINGS



NOTE:

4.0 GPM model overall length 9.91 in. (251.7 mm). All other dimensions are the same as the 5.0 GPM / 6.0 GPM models. Dimensions in inches (mm)

MODELS

PART NO.	VOLTS	GPM (LPM)	SWITCH PSI (BAR)	DIAPHRAGM	CHECK VALVE
R8400144	12	4.0 (15.1)	70 (4.8)	Santo	EPDM
R8400344	24	4.0 (15.1)	70 (4.8)	Santo	EPDM
R8500144	12	5.0 (18.9)	70 (4.8)	Santo	EPDM
R8500344	24	5.0 (18.9)	70 (4.8)	Santo	EPDM
R8600144	12	6.0 (22.7)	70 (4.8)	Santo	EPDM
R8600144	24	6.0 (22.7)	70 (4.8)	Santo	EPDM

Santoprene® is a registered trademark of Monsanto.

Flexible Impeller Pumps 04

Epoxy / Phenolic Plastic Pumps
Bronze Pumps
Stainless Steel Pumps
Sanitary Flexible Impeller Pumps

Stainless Steel Sanitary Pumps
Metal Variants
Flexible Impeller Guide



04 Flexible Impeller Pumps

INTRODUCTION

Introduction



There are probably few parts of the world where the Xylem Jabsco family of products are not in use or where our brands are not known.

The reason is simple: "Make good fit-for-purpose products and you will get a good name".

This new catalogue is designed to help you understand the basics a Flexible Impeller Pump (FIP), and supply you with a quick reference guide, enabling you to choose the correct pump for the application.

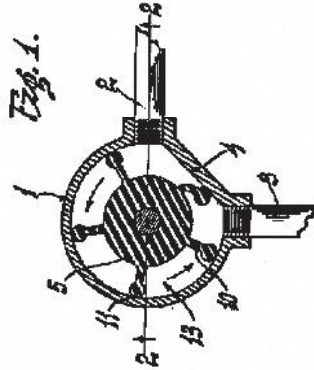
THE HISTORY. THE ORIGINAL

Designed by Jack Streeter and Art Briggs

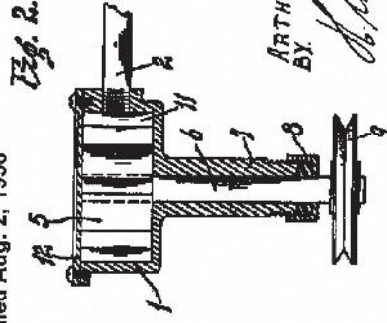
JACK ART BRIGGS STREETER COMPANY

- To come up with the name Jabsco, these inventors used the first letter from each of their names and added the co. to be Jabsco. Jabsco pump company formed in Burbank, California
- First pump designed in 1938
- The patent for the flexible impeller was issued in 1938.
- Designed in response to a specific customer requirement for condensate removal from airconditioning systems.
- The FIP principle has been applied to a diverse range of applications ranging from, engine cooling systems, bulk milk transfer, food processing, and industrial applications.

Feb. 6, 1940.



A. M. BRIGGS
 ROTARY PUMP
 Filed Aug. 2, 1938

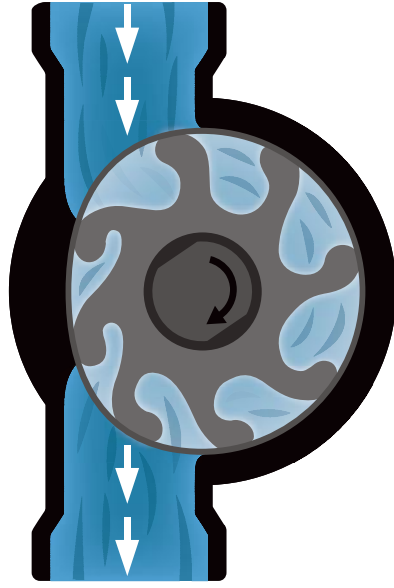


INVENTOR.
 ARTHUR M. BRIGGS.
 BY: *W. H. Deakman*
 ATTORNEY.

2,189,356



Flexible Impeller Product Range



HOW A FLEXIBLE IMPELLER WORKS

- As the impeller rotates, the impeller blades, leaving the cam straighten causing the cell volume to increase. This causes a partial vacuum which allows atmospheric pressure to push the liquid into the pump.
- The blades form an almost perfect seal, which also allows the impeller to 'pump' air.
- The impeller continues to rotate, transferring the fluid in the cells that now have constant volume.
- Now the vanes reach the other side of the cam, the cell volume decreases which forces the fluid out through the discharge port.
- This happens thousands of times a minute, which produces a continuous even flow.

FEATURES AND BENEFITS

- Self Priming: Will lift fluid up to 22 feet (6.71 meters) when wet through the system
- Will Not Air Lock: Pump will continue to operate even when air passes through the system
- Viscous Liquids Handling: Will easily pump thin or thick liquids
- Pulsation Free Flow: Delivers a smooth even flow
- Non-Shear Action: Will handle delicate fluids
- Hard Solid Handling: Passes hard solids or abrasives with minimal wear or damage
- Few Moving Parts: Easy to maintain so less downtime
- Compact: Will provide high flows from a small size pump
- Competitive: Lower cost installation and maintenance than other competing pump types

PRESSURE	0 – 60 PSI (0 – 4.13 Bar)
FLOW RATES	0 – 185 GPM (0 – 700 LPM)
VISCOSITY	1 – 50,000 Cp
VOLTAGES	12/24 VDC, 115/230 – 60/50 Hz
IMPELLER MATERIALS	Neoprene, 3A Neoprene, Nitrile, 3A Nitrile, Viton, 3A EPDM
IMPELLER RATINGS	Standard, Medium, High Pressure
SHAFT SEALS	Buna, Nitrile, Viton Lip Seals, Mechanical Carbon-on-Ceramic, Tungsten Carbide
PORT SIZES	Hose Fitting, Internal – External NPT / BSP, Clamp, AGME
BODY	Epoxy, Phenolic, Bronze, Stainless Steel
PUMP TYPE	Pedestal, Close Coupled, Pump Head Kits

GAS WARNING
 No pump manufactured by Xylem should be used for gasoline or any fluid with a flash point below 100° F (38° C)



04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC PUMPS



12310 Series Phenolic Plastic Flex Pump



Use where corrosion resistant plastic material, self-priming, flow, and debris tolerance is desired. Neoprene for water and general purpose pumping. Nitrile impeller is ideal for oil based products. Use Viton for hydrocarbons and solvents. Motor is not explosion proof. Do not run dry.



SPECIFICATIONS

OPEN FLOW	4 gpm (15.1 lpm)
VOLTAGE	115V AC 60Hz single phase non CE
BODY MATERIAL	Phenolic
IMPELLER MATERIAL	Neoprene, Nitrile
SHAFT MATERIAL	Stainless Steel
SHAFT SEAL	Buna lip type
PORT SIZE	3/8" (9.5 mm) NPT (F), 3/4" (19.0 mm) male garden hose thread
MOTOR	PMDC rectified, Intermittent Duty
MAXIMUM PRESSURE	17 psi (1.2 bar), 39 ft (11.9 m) of water
PRIME DRY, WET	5 - 7 ft (1.5-2.1m), 10 - 14 ft (3.0-4.3m)
LIQUID TEMP.	45-180°F (7-82°C) Neoprene 50-180°F (10-82°C) Nitrile
SIZE	3 7/16" x 5 1/2" x 7" (87 x 126 x 177mm)
SHIP WT.	5.8 lbs (2.6 kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
12310-0001	No	115VAC	Neoprene	MPU
12310-0003	No	115VAC	Nitrile	MPU

12560 Series Phenolic Plastic Flex Pump



FOR US MARKETS

Use where corrosion resistant plastic material, self-priming, flow, and debris tolerance is desired. Neoprene for water and general purpose pumping. Nitrile impeller is ideal for oil based products. Use Viton for hydrocarbons and solvents. Motor is not explosion proof. Do not run dry.



SPECIFICATIONS

OPEN FLOW	4.6 gpm (17.4 LPM)
VOLTAGE	12V DC CE approved
BODY MATERIAL	Phenolic
IMPELLER MATERIAL	Neoprene
SHAFT MATERIAL	Stainless Steel
SHAFT SEAL	Buna lip type
PORT SIZE	5/8" (15.9 mm) Hose Barb
MOTOR	PMDC, TENV; thermal overload protected, 7 amp nominal, 10 amp fuse
APPROVALS	Ignition protection
MAXIMUM PRESSURE	8.7 psi (20.1 bar), 20 ft. of water
PRIME DRY, WET	1 - 2ft (3-6m), 2 - 4 ft (6-12m)
LIQUID TEMP.	45-160°F (8-70°C) Neoprene 50-180°F (10-82°C) Nitrile
SIZE	3 3/4" x 5" x 6 1/8" (82 x 126 x 164mm)
SHIP WT.	4.5 lbs (2 kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
12560-0001	Yes	12VDC	Neoprene	MPU



3010 Series Epoxy Pedestal pump



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
3010-1011	Yes	N/A	Neoprene	Pedestal

SPECIFICATIONS

FLOW RATE	5 gpm (19 lpm)
BODY	Phenolic
IMPELLER	Neoprene, Nitrile, Viton
SHAFT	Stainless Steel
SEAL	Lipseal
BEARINGS	PTFE /graphite
BRACKET	Plated steel
PORTS	16mm OD for hose connections
WEIGHT	0.25kg

12290 Series Phenolic Plastic Flex Pump



Use where corrosion resistant phenolic or glass filled epoxy material, self-priming, and debris tolerance is desired. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and solvents. Long lasting AC induction motor has no brushes to wear out. Motor is not explosion proof. Do not run dry.



SPECIFICATIONS

OPEN FLOW	5.8 gpm (22 lpm)
VOLTAGE	115V AC 60Hz single phase non CE
BODY MATERIAL	Phenolic
IMPELLER MATERIAL	Neoprene, Nitrile, Viton
SHAFT MATERIAL	Stainless Steel
SHAFT SEAL	Buna or Viton lip type
PORT SIZE	5/8" (15.9 mm) Hose Barb
MOTOR	1/6 HP, ODP 1/4 HP, TENV 6 ft (1.83 m) power cord with 3 prong grounded plug Thermal Overload Protected 4.2 amps full load OD 3.3 amps full load TENV
LIQUID TEMP.	45-180°F (7-82°C) Neoprene 50-180°F (10-82°C) Nitrile 60-180°F (16-82°C) Viton
MAXIMUM PRESSURE	17 psi (1.2 bar), 39 ft of water
PRIME DRY, WET	8-10 ft (2.4-3.1m), 10-15 ft (3.1-4.6m) Neoprene, Nitrile, Viton
SIZE	8 3/8" x 9 23/32" x 14 5/16" (211 x 245 x 361mm)
SHIP WT.	12 lb (5.5 kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
12290-0001	No	115 VAC	Neoprene	MPU
12290-0003	No	115 VAC	Nitrile	MPU
12290-0004	No	115 VAC	Viton	MPU
12290-0271	No	115 VAC	Neoprene	MPU
12290-0273	No	115 VAC	Nitrile	MPU
12290-0274	No	115 VAC	Viton	MPU

04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC PUMPS



17430 Series Epoxy Utility Pump



Use where corrosion resistant phenolic or glass filled epoxy material, self-priming, and debris tolerance is desired. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and solvents. Long lasting AC induction motor has no brushes to wear out. Motor is not explosion proof. Do not run dry.



MODELS	CE	VOLTAGE	IMPELLER	STYLE	MPU
17430-003	No	115 VAC	Nitrile		

SPECIFICATIONS

OPEN FLOW	11 gpm, (42 lpm)
VOLTAGE	115V AC 60Hz single phase (Non-CE)
BODY MATERIAL	Epoxy
IMPELLER MATERIAL	Nitrile, Viton
SHAFT MATERIAL	Epoxy sleeve
SHAFT SEAL	Mechanical carbon-on-ceramic
PORT SIZE	½" (12.7mm) NPTF
MOTOR	½ hp, TEFC, AC induction type 6 ft (1.83m) power cord, 3 prong grounded plug thermal overload protected, 8.8 amps full load
MAXIMUM PRESSURE	21 psi (1.5 bar) or 50 ft (15.24m) of head
PRIME DRY, WET	12 - 15 ft (3.7-4.6m), 18 - 22 ft (5.5-6.7m)
LIQUID TEMP.	50-180°F (10-82°C) Nitrile 45-180°F (8-82°C) Neoprene 60-180°F (15-82°C) Viton
SIZE	8.3/8" x 9.23/32" x 1.45/16" (211 x 245 x 361 mm)
SHIP WT.	33.5 lbs (15.2 kg)



28250 Series Epoxy Head Kit & 28260 Series Pedestal Pump

MODELS

See page 92 for Model Numbers

SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal Optional Tungsten Carbide / Ceramic hard faced mechanical seal
SEAL ELASTOMERS	Nitrile
PUMP HEAD	Epoxy Thermoset plastic
END COVER	Epoxy Thermoset plastic
SHAFT	Epoxy covered stainless steel shaft extension
BEARINGS	Twin single row, ball type (Model 28250)
BEARING HOUSING	Uses motor bearings (Model 28260)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28250)
PORTS	¾" BSP external thread to BS21 (DIN2999)
WEIGHT	1.7kg (Model 28250)
WEIGHT	1.7kg (Model 28260)
PRESSURE OPTIONS	Standard - Max 2.5 bar High - Max 3.0 bar
IMPELLER ELASTOMER OPTION	Neoprene E.P.D.M. Nitrile Viton* Neoprene E.P.D.M. Nitrile Viton

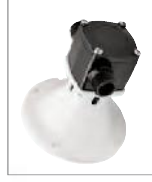
† Pressures over 1.7 bar may reduce motor shaft life



FEATURES

- Self primes from dry up to 5.0 metres
- Flows up to 70 liters per minute
- Pressure up to 3.0 bar
- Handles hard or soft solids - max. 5mm diameter
- High chemical resistance Epoxy plastic
- Non pulsating flow, proportional to speed
- Handles viscosities up to 10,000 centipoise
- No metal parts in liquid contact
- Fits IEC standard motor B3/B14, frame 80 (Model 28260)

28350 Series Pedestal Pump & 28360 Series Epoxy Head Kit Pump



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
28350-2101	Yes	N/A	Neoprene	Pedestal
28350-2103	Yes	N/A	Nitrile	Pedestal
28350-2104	Yes	N/A	Viton	Pedestal
28350-2123	Yes	N/A	Nitrile	Pedestal
28350-2124	Yes	N/A	Viton	Pedestal
28350-2125	Yes	N/A	Sanitary Neoprene	Pedestal
28360-2101	Yes	N/A	Nitrile	Head Kit
28360-2103	Yes	N/A	Viton	Head Kit
28360-2104	Yes	N/A	Viton	Head Kit
28360-2204	Yes	N/A	Nitrile	Head Kit

SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal
SEAL ELASTOMERS	Nitrile
PUMP HEAD	Epoxy
END COVER	Epoxy
SHAFT	Epoxy covered stainless steel shaft (Model 28350)
SHAFT	Epoxy coated stainless steel shaft extension (Model 28360)
BEARINGS	Twin single row, ball type (Model 28350)
BEARINGS	Uses motor bearings (Model 28360)
BEARING HOUSING	Epoxy coated cast iron (Model 28360)
MOTOR ADAPTOR	Epoxy coated cast iron
PORTS	1" (25.4 mm) BSP external thread to BS21 (DIN2999)
WEIGHT	2.1 (Model 28350)
WEIGHT	2.1kg (Model 28360)
PRESSURE OPTION	Standard - Max 2.5 bar
IMPELLER ELASTOMER OPTION	Neoprene E.P.D.M. Nitrile Viton*

FEATURES

- Self primes from dry up to 5.0 metres
- Flows up to 42.3 GPM (160 LPM)
- Pressure up to 36.25 psi (2.5 bar)
- Handles hard or soft solids - max. 1/5" (5mm) diameter
- Tolerates abrasive wear - replaceable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 4,000 centipoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80 (Model 28360)

04 Flexible Impeller Pumps

EPOXY / PHENOLIC PLASTIC PUMPS



30510 Series Epoxy Plastic Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and Plastic Epoxy material is desirable. Self-priming, 8 gpm flow, debris tolerant. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and most solvents. Optional EPDM standard and high pressure impeller kits 7614-0002 and 8980-0002 for hygienic applications and some ketone solvents. Use tungsten Carbide seal when pumping highly corrosive or abrasive fluids. Motor is not explosion proof. Do not run dry.

For pumped only models (30510-3-xxx) select NEMA 56C Frame. C-Face motor rated at ¼ hp at 1750 RPM with appropriate service factor. Motor must handle high axial loads. Ball bearings locked against axial movement are recommended. Motor must deliver 1.5 ft-lbs and 4.3 ft-lbs torque minimum in forward and reverse directions respectively. Use only capacitor start motors.

For pedestal mount models (30510-1-xxx) operating at 1750 RPM, select ¼ hp or 1 ½ hp motor for standard or high pressure impellers respectively, with an appropriate service factor. For high pressure impellers, the motor must supply 3 ft-lbs or 6.9 ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on Neoprene impeller pumping water. Reduce rated flow 10% for Nitrile, Viton, and EPDM standard impellers. Reduce rated flow 15% for Nitrile, Viton and EPDM high pressure impellers.

SPECIFICATIONS

OPEN FLOW	8 gpm (30 lpm)	
VOLTAGE	115V AC 60Hz single phase, non CE	
BODY MATERIAL	Epoxy plastic	
IMPELLER MATERIAL	Neoprene, Nitrile, Viton, EPDM	
SHAFT MATERIAL	Epoxy plastic sleeve	
SHAFT SEAL	Mechanical carbon or tungsten carbide on ceramic	
PORT SIZE	¾" (19mm) NPT(M)	
MOTOR	- ¼ HP, TEFC AC induction type - Intermitent Duty, 56c Frame, C Face, - 3 prong grounded plug - Thermal Overload Protected Consult Performance Chart	
MAXIMUM PRESSURE		
	Neoprene	Nitrile
	7-10 ft	7-10 ft
	(2.1-3.0m)	(2.1-3.0m)
	17-22 ft	17-22 ft
	(5.7-6.7m)	(5.7-6.7m)
	45-180°F (8-82°C) Neoprene	
	50-180°F (10-82°C) Nitrile	
	60-180°F (15-82°C) Viton	
	45-185°F (7-85°C) EPDM	
	Consult data sheet 43000-0516	
	30510-5xxx - 35 lb (15.9 kg)	
	30510-3xxx - 6.5 lb (3.0 kg)	
	30510-1xxx - 4.5 lb (2.0 kg)	



30520 Series Epoxy Plastic Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and Plastic Epoxy material is desirable. Self-priming, 22 gpm flow, debris tolerant. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and most solvents. Optional EPDM standard and high pressure impeller kits 8981-0002 and 8840-0002 for hygienic applications and some ketone solvents. Use tungsten Carbide seal when pumping highly corrosive or abrasive fluids. Motor is not explosion proof. Do not run dry.

For pump head only models (30520-3-xxx) select NEMA 145TC Frame. C-Face motor rated at 1 ½ hp at 1750 RPM with appropriate service factor. Motor must handle high axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 4.8 ft-lbs and 11.2 ft-lbs torque minimum in forward and reverse directions respectively. Use only capacitor start motors.

For pedestal mount models (30510-1-xxx) operating at 1750 RPM, select 1 ½ hp or 3 hp motor for standard or high pressure impellers respectively, with an appropriate service factor. For high pressure impellers, the motor must supply 7.9 ft-lbs or 16.3 ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on Neoprene impeller pumping water. Reduce rated flow 10% for Nitrile, Viton, and EPDM standard impellers. Reduce rated flow 15% for Nitrile, Viton and EPDM high pressure impellers.

SPECIFICATIONS

OPEN FLOW	22 gpm (83 lpm)	
VOLTAGE	115/230V AC 60Hz single phase, non CE	
BODY MATERIAL	Epoxy plastic	
IMPELLER MATERIAL	Neoprene, Nitrile, Viton, optional EPDM	
SHAFT MATERIAL	Epoxy Plastic Sleeve	
SHAFT SEAL	Mechanical carbon or tungsten carbide on ceramic	
PORT SIZE	1" (25.4mm) NPT(M)	
MOTOR	1 ½ hp, capacity start, TEFC, C-Face, H145 TC frame 6 ft (1.8m) power cord, 3 prong grounded plug thermal overload protected	
MAXIMUM PRESSURE	30 psi (2.1 bar) or 70 ft (21.3m) of head standard pressure, 60 psi (4.2 bar) or 138 ft (42.1) of head, high pressure	
	Neoprene	Nitrile
	8-10 ft	8-10 ft
	(2.4-3.0m)	(2.4-3.0m)
	18-22 ft	18-22 ft
	(5.5-6.7m)	(5.5-6.7m)
	45-180°F (8-82°C) Neoprene	
	50-180°F (10-82°C) Nitrile	
	60-180°F (15-82°C) Viton	
	45-185°F (7-85°C) EPDM	
	9 1/8" x 8 7/8" x 16 1/4" (230 x 224 x 410mm)	
	6 5/8" x 6 5/8" x 6 13/16" (167 x 167 x 171mm)	
	4 1/4" x 4 7/8" x 9 5/8" (120 x 123 x 243 mm)	
	54.5 lbs (24.7 kg)	
	10.5 lbs (4.8 kg)	
	7.0 lbs (3.2 kg)	



04 Flexible Impeller Pumps

BRONZE PUMPS



17830 Reversible DC Water Puppy



FOR INTERNATIONAL MARKETS

Especially suited for viscous fluids and engine oil transfer where self-priming and 3 gpm flow is required. Pump oil from crankcase to storage container, and from storage container to waste container automatically using the manual flow reverse switch. No need to remove or re-attach hoses to reverse oil flow direction. Oil temperature should be 100-140°F. Use 12V DC from vehicle battery. Do not run dry.



OPEN FLOW	3 gpm (11.4 lpm)
VOLTAGE	12V DC CE Approved
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Nitrile
SHAFT MATERIAL	Stainless steel
SHAFT SEAL	Buna lip type
PORT SIZE	3/8" (9.5mm) NPT(F)
MOTOR	PMDC, TENV with manual reverse switch 10 amps nominal 15 amps fuse
APPROVALS	CE
MAXIMUM PRESSURE	8.7 psi or 20 ft (6.1m) of lift
PRIME DRY, WET	3-4 ft (9-12 m), 15-20 ft (4.6-6.1 m)
LIQUID TEMP.	45-180°F (7-82°C) Nitrile
SIZE	4.71"6" x 3 1/4" x 7.71"8"
SHIP WT.	9 lbs (4.1 kg)

MODELS	CE	VOLTAGE	IMPELLER	STYLE
17830-0012	Yes	12 VDC	Nitrile	MPU
17830-0024	Yes	24 VDC	Nitrile	MPU

18660 DC Water Puppy



For general transfer, pumping where self-priming, 6 gpm flow and debris tolerance are required. Use optional oil-resistant nitrile impeller. 6303-0003 if oil or diesel fuel are present. Do not run dry.



OPEN FLOW	6.3 gpm (24 lpm)
VOLTAGE	12V DC, non CE
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene or Nitrile
SHAFT MATERIAL	Stainless steel
SHAFT SEAL	Lip type
SHAFT SEAL MATERIAL	Nitrile
PORT SIZE	1/2" (12.7mm) NPT(F) 3/8" (19mm) male garden hose adapter
MOTOR	PMDC, TENV 8.0 amps nominal 15 amps fuse
MAXIMUM PRESSURE	8.7 psi or 20 ft (6.1m) of lift
PRIME DRY, WET	2-4 ft (6-1.2m), 15-20 ft (4.6-6.1m)
LIQUID TEMP.	45-180°F (7-82°C) Neoprene
SIZE	3.3/8" x 4 3/4" x 6 1/2" (86 x 121 x 165mm)
SHIP WT.	4.5 lbs (2 kg)

MODELS	CE	VOLTAGE	IMPELLER	STYLE
18660-0121	No	12 VDC	Neoprene	MPU
18660-0123	No	12 VDC	Nitrile	MPU



18670 Commercial Duty DC Water Puppy



Commercial Duty Water Puppy has 25% more flow than the standard model and a heavy duty PMDC motor. For general transfer pumping where self-priming, 8 gpm flow and debris tolerance are required. Oil-resistant nitrile impeller is standard. Do not run dry.



SPECIFICATIONS

OPEN FLOW	8 gpm (30.4 lpm)
VOLTAGE	12 or 24V DC, non CE
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Nitrile
SHAFT MATERIAL	316 stainless steel
SHAFT SEAL	Lip type
PORT SIZE	1/2" (12.7mm) NPT(F) and 1" (25.4mm) hose barb 3/4" (19mm) male garden hose adapter
MOTOR	PMDC, TENV, Amp Draw 11.5 amp at 12V 5 amp at 24V Fuse Size 20 amp for 12V 10 amp for 24V
MAXIMUM PRESSURE	8.7 psi or 20 ft (6.1m) of lift
PRIME DRY, WET	4-6 ft (1.2-1.8m), 15-20 ft (4.6-6.1m)
LIQUID TEMP.	50-180°F (10-82°C) Nitrile
MAXIMUM PRESSURE	8.7 psi or 20 ft (6.1m) of Head
SIZE	3" x 4 3/4" x 6.7/8" (76 x 120 x 175mm)
SHIP WT	6.0 lbs (2.7 kg)

MODELS	CE	VOLTAGE	IMPELLER	STYLE
18670-0123	No	12 VDC	Nitrile	MPU
18670-0943	No	24 VDC	Nitrile	MPU

23610 Maxi Puppy 3000



Continuous rated, heavy duty pumps for general purpose use.



FEATURES

- Simple design means fewer wearing parts.
- 4.4 lpm (9.5 UK gpm) output @ 3m (10ft) head.
- Self priming to 2.4m (8 ft).

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
23610-3003	Yes	12 VDC	Nitrile	MPU
23610-3103	Yes	24 VDC	Nitrile	MPU

23620 Mini Puppy



Continuous rated, medium duty pumps for general purpose use.



FEATURES

- Simple design means fewer wearing parts.
- 6 lpm (1.3 UK gpm) output @ 2m (6.6ft) head.
- Self priming to 1.5m (5 ft).

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
23620-4003	Yes	12 VDC	Nitrile	MPU
23620-4103	Yes	24 VDC	Nitrile	MPU

Bronze Pumps

Flexible Impeller Pumps 04

04 Flexible Impeller Pumps

BRONZE PUMPS



23670 Junior Puppy



Continuous rated, medium duty pumps for general purpose use.

FEATURES

- Small debris present no problem to these bronze bodied, flexible impeller pumps.
- Simple design means fewer wearing parts.
- 15.5 gpm (3.4 UK gpm) output @ 5m (16ft) head.
- Self priming to 2.5m (8 ft).



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
23670-4003	Yes	12 VDC	Nitrile	MPU
23670-4103	Yes	24 VDC	Nitrile	MPU

23920 Extended Run Dry Utility Puppy 2000/3000



Continuous rated, medium duty pumps for general purpose use.



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
23920-2403/2000	Yes	12 VDC	Nitrile	BSP
23920-2503/2000	Yes	24 VDC	Nitrile	BSP
23920-9403/2000	Yes	12 VDC	Nitrile	NPT
23920-9503/2000	Yes	24 VDC	Nitrile	NPT
23920-2213/3000	Yes	12 VDC	Nitrile	BSP
23920-2313/3000	Yes	24 VDC	Nitrile	BSP
23920-9213/3000	Yes	12 VDC	Nitrile	NPT
23920-9313/3000	Yes	24 VDC	Nitrile	NPT



18610 Bronze Utility Pump



For general transfer pumping where self-priming, 6 gpm flow, debris tolerance and portable 115VAC operation is desired. Choice of impeller materials. Nitrile for oil based products, Viton for hydrocarbons and solvents. Neoprene for water and general purpose pumping. Long lasting AC induction motor has no brushes to wear out. Do not pump gasoline or other flammable liquids. Do not run dry. Motor is not explosion proof. For continuous operation at 75°F do not exceed 15 psi outlet pressure or 38 feet of lift.



MODELS

See page 92 For Model Numbers

SPECIFICATIONS

OPEN FLOW	6.0 gpm (22.8 lpm)
VOLTAGE	115V AC 60Hz single phase, non CE
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene
SHAFT MATERIAL	316 Stainless Steel
SHAFT SEAL	Neoprene lip type
PORT SIZE	1/2 (12.7mm) NPT (F)
MOTOR	3/4 (19mm) Male Garden Hose Adapters 1/4 hp, non-vented, 8 ft (2.4m) power cord 3 prong grounded plug Thermal overload protected
MAXIMUM PRESSURE	13 psi, 30 ft (9.1m) of Head ODF 17 psi, 39 ft (11.9m) of Head TENV
DRY PRIME	4 - 6 ft (1.2 - 1.8m)
WET PRIME	16 - 20 ft (4.9 - 6.1m)
LIQUID TEMP.	45-180°F (7-82°C) Neoprene 50-180°F (10-82°C) Nitrile 60-180°F (15-82°C) Viton
SIZE	9 x 7 x 7 1/4 (229mm x 178mm x 184mm)
SHIP WT.	12 lbs (5.5 kg)

11810 Bronze AC Utility Pump



For general transfer pumping where self-priming, 10 gpm flow, debris tolerance and portable 115V AC operation is desired. Nitrile for oil based products, Neoprene for water and general purpose pumping. Do not run dry. Motor is not explosion proof.



SPECIFICATIONS

OPEN FLOW	10 gpm (38 lpm)
VOLTAGE	115V AC 60Hz single phase, non CE
BODY MATERIAL	bronze
IMPELLER MATERIAL	Nitrile
SHAFT MATERIAL	316 stainless steel
SHAFT SEAL	lip type
SHAFT SEAL MATERIAL	Nitrile
PORT SIZE	1/2 (12.7mm) NPT(F) and 3/4 (19.1mm) male garden hose thread
MOTOR	1/2 hp, TEFC or ODP AC induction type 8 ft (2.4m) power cord with 3 prong grounded Thermal overload protected 7 amps nominal, 10 amp fuse
MAXIMUM PRESSURE	17 psi, 39 ft of Head
PRIME DRY, WET	8 - 10 ft (2.4 - 3m), 16 - 20 ft (4.9 - 6.1m)
LIQUID TEMP.	45-180°F (7-82°C) Neoprene 50-180°F (10-82°C) Nitrile
SIZE	7 3/4 x 7 1/4 x 10 1/2 (197 x 184 x 267mm)
SHIP WT	20 lbs (9.1 kg) ODP, 25 lbs (11.3 kg) TEFC

04 Flexible Impeller Pumps

BRONZE PUMPS

6050 Bronze AC Utility Pump



For general transfer pumping using 115V AC power where self-priming, 23 gpm flow and debris tolerance are required. Oil-resistant nitrile impeller is standard. Do not run dry.

SPECIFICATIONS

OPEN FLOW	23 gpm (87 lpm)
VOLTAGE	115/230VAC 60Hz single phase, non CE
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Nitrile
SHAFT MATERIAL	316 stainless steel
SHAFT SEAL	Lip type
SHAFT SEAL MATERIAL	Nitrile
PORT SIZE	1" (25.4mm) NPT (F)
MOTOR	¾ hp TEFC or ODP AC induction type 8 ft. (2.4m) power cord with 3 prong grounded plug Thermal overload protected
MAXIMUM PRESSURE	26 psi or 60 ft (18.2m) lift
PRIME DRY, WET	8-10 ft (2.4-3 m), 20-22 ft (6.1-6.7m)
LIQUID TEMP.	50-180°F (10-82°C)
SHIP WT.	35.5 lbs (16.1 kg)
SIZE	8 1/2" x 7 3/4" x 13 1/2" (218 x 197 x 331mm)



MODELS	CE	VOLTAGE	IMPELLER	STYLE
6050-0003	No	115 VAC	Nitrile	MPU/ODP
6050-0013	No	115 VAC	Nitrile	MPU/TEFC

50005 Series



FEATURES

- Self primes from dry up to 1.5 metres (4.9 feet)
- Flows up to .3 gal (4.5 litres) per minute
- Pressure up to 29psi (2 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- Handles viscosities up to 500 centiPoise
- Uses standard IEC motor

SPECIFICATIONS

SEAL	Nitrile lip seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFTS	Stainless steel shaft extension connection
PORTS	3/8" BSP internal thread, 1" (25.4mm) bore hose connection
MOTOR ADAPTOR	Polypropylene
WEIGHT	13.7 lbs (6.2kg)



MODELS	CE	VOLTAGE	IMPELLER	STYLE
50005-8411	Yes	230/1/50	Neoprene	MPU
50005-8413	Yes	230/1/50	Nitrile	MPU



50010 Series



FEATURES

- Self prime from dry up to 4.9' feet (1.5 metres)
- Flows up to 1.6 gal (6 litres) per minute
- Pressure up to 36.2 psi (2.5 bar)
- Will handle hard or soft solids
- Will tolerate abrasive wear
- Non pulsating flow
- Will handle viscosities up to 500 centiPoise
- Uses standard IEC motor



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
50010-2411	Yes	230/1/50	Neoprene	MPU
50010-2413	Yes	230/1/50	Nitrile	MPU

SPECIFICATIONS

SEAL	Nitrile lip seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFTS	Stainless steel shaft extension
PORTS	3/8" (9.5mm) BSP internal thread and 19mm (¾") bore hose connections
MOTOR ADAPTOR	Polypropylene
WEIGHT	13.9 lbs (6.3kg)

50020 Series



FEATURES

- Self prime from dry up to 4.9' feet (1.5 metres)
- Flows up to 4.8 gal (18 litres) per minute
- Pressure up to 24.7 psi (1.7 bar)
- Will handle hard or soft solids
- Will tolerate abrasive wear
- Non pulsating flow
- Will handle viscosities up to 500 centiPoise
- Uses standard IEC motor



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
50020-2411	Yes	230/1/50	Neoprene	MPU
50020-2413	Yes	230/1/50	Nitrile	MPU

SPECIFICATIONS

SEAL	Nitrile lip seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFTS	Stainless steel shaft extension
PORTS	½" (12.7mm) BSP internal thread and 25mm (1") bore hose connections
MOTOR ADAPTOR	Polypropylene
WEIGHT	14.1 lbs (6.4kg)

04 Flexible Impeller Pumps

BRONZE PUMPS



53010 Series



FEATURES

- Self prime from dry up to 4.9 feet (1.5 metres)
- Flows up to 3 gal (12 litre) at 50.8 psi (3-5bar)
- Pressure up to 24.7psi (1.7 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry running capability for 30 minutes without damage to pump (post operation)



SPECIFICATIONS

SEAL	Carbon / ceramic mechanical face seal, Butyl elastomers
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	Stainless steel, shaft extension
PORTS	½" (12.7mm) BSP external thread
MOTOR ADAPTOR	Polypolyene
WEIGHT	15.7lbs (7.1kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
53010-2111	Yes	230/1/50	Neoprene	MPU
53010-2113	Yes	230/1/50	Nitrile	MPU
53010-2115	Yes	230/1/50	Sanitary Neoprene	MPU

53040 Series



FEATURES

- Self prime from dry up to 9.8 feet (3 metres)
- Flows up to 9.2 gal (35 litres) per minute
- Pressure up to 36.3 psi (2.5 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry running capability for 30 minutes without damage to pump (post operation)



SPECIFICATIONS

SEAL	Carbon / ceramic mechanical face seal, Butyl elastomers
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	Stainless steel, shaft extension
PORTS	1" (25.4mm) BSP internal thread
MOTOR ADAPTOR	Polypolyene
WEIGHT	21 lbs (9.5kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
53040-2001	Yes	230/1/50	Neoprene	MPU
53040-2003	Yes	230/1/50	Nitrile	MPU
53040-2021	Yes	230/1/50	Neoprene	MPU
53040-2103	Yes	110/1/50	Neoprene	MPU

53020 Series



FEATURES

- Self prime from dry up to 4.9 feet (1.5 metres)
- Flows up to 4.5 gal (18 litres) per minute
- Pressure up to 24.7psi (1.7 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry running capability for 30 minutes without damage to pump (post operation)



SPECIFICATIONS

SEAL	Carbon / ceramic mechanical face seal, Butyl elastomers
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes (post operation)
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	Stainless steel, shaft extension
PORTS	¾" (19mm) BSP internal thread
MOTOR ADAPTOR	Polypolyene
WEIGHT	15.7 lbs (7.1 kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
53020-2011	Yes	230/1/50	Neoprene	MPU
53020-2013	Yes	230/1/50	Nitrile	MPU



53080 Series



FEATURES

- Self prime from dry up to 9.8 feet (3 metres)
- Flows up to 21 gal (80 litres) per minute
- Pressure up to 29 psi (2 bar)
- Handles hard or soft solids
- Tolerates abrasive wear
- Non pulsating flow
- Handles viscosities up to 500 cP
- Uses standard IEC motor
- Dry running capability for 30 minutes without damage to pump (post operation)



SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical seal, Nitrile elastomers
PUMP HEAD	Bronze with integral fluid reservoir to protect pump against dry running for up to 30 minutes, post operational
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	Stainless steel, shaft extension
PORTS	1½" (38.1mm) BSP internal thread
CABLE	Fitted with 2m long supply cable
WEIGHT	33.7 lbs (15kg)

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
53080-2001	Yes	230/1/50	Neoprene	MPU
53080-2003	Yes	230/1/50	Nitrile	MPU
53080-2063	Yes	220V/50	Nitrile	MPU

Bronze Pumps

Flexible Impeller Pumps 04

04 Flexible Impeller Pumps

BRONZE PUMPS



22860 Series



MODELS

MODEL#S	CE	VOLTAGE	IMPELLER	STYLE
22860-2001	Yes	N/A	Neoprene	Head Kit
22860-2003	Yes	N/A	Nitrile	Head Kit
22860-2021	Yes	N/A	Neoprene	Head Kit Flange
22860-2061	Yes	N/A	Neoprene	Head Kit
22860-2702	Yes	N/A	3A EPDM	Head Kit

SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	Stainless steel shaft extension
MOTOR ADAPTOR	Epoxy-coated aluminum, suitable for B3/B14 D80 frame motor to IEC 71 standard
PORTS	¾" (19mm) BSP internal thread
WEIGHT	4.2 lbs (1.9kg)

FEATURES

- Flows up to 9.2 gal (35 liters)/minute @ 1500 RPM
- Self primes from dry up to 9.8 ft (3.0 metres)
- Handles hard or soft solids
- Non pulsating flow
- Gentle pump action does not damage shear sensitive products
- Easy to service and maintain



FEATURES

- Flows up to 21 gal (80 liters)/minute @ 1500 RPM
- Self prime from dry up to 16.4 ft (5 metres)
- Handles hard or soft solids
- Non pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

MODELS

MODEL#S	CE	VOLTAGE	IMPELLER	STYLE
22870-2001	Yes	N/A	Neoprene	Head Kit
22870-2003	Yes	N/A	Nitrile	Head Kit
22870-2043	Yes	N/A	Nitrile	Head Kit
22870-2201	Yes	N/A	Neoprene	Head Kit No Adaptor
22870-2203	Yes	N/A	Nitrile	Head Kit
22870-2543	Yes	N/A	Nitrile	MPU
22870-2702	Yes	N/A	3A EPDM	Head Kit

SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	316 Stainless steel shaft extension
MOTOR ADAPTOR	Epoxy-coated aluminum, suitable for B3/B14 D80 frame motor to IEC 71 standard
PORTS	1" (25.4mm) BSP internal thread
WEIGHT	5.7 lbs (2.6kg)



22880 Series



MODELS

MODEL#S	CE	VOLTAGE	IMPELLER	STYLE
22880-0033	Yes	N/A	Nitrile	Head Kit
22880-2201	Yes	N/A	Neoprene	Head Kit Flange
22880-2203	Yes	N/A	Nitrile	Head Kit
22880-2401	Yes	N/A	Neoprene	Head Kit Flange

SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	316 Stainless steel shaft extension
MOTOR ADAPTOR	Epoxy-coated aluminum, suitable for B3/B14 D100 frame motor to IEC 71 standard
PORTS	Flanged, adaptors available
WEIGHT	17 lbs (7.7kg)

FEATURES

- Flows up to 52.8 gal (200 litres)/minute @ 1500 RPM
- Self primes from dry up to 9.8 ft (3.0 metres)
- Handles hard or soft solids
- Non pulsating flow
- Gentle pump action does not damage shear sensitive products
- Easy to service and maintain

22890 Series



MODELS

MODEL#S	CE	VOLTAGE	IMPELLER	STYLE
22890-2001	Yes	N/A	Neoprene	Head Kit

SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	316 Stainless steel shaft extension
MOTOR ADAPTOR	Epoxy-coated aluminum, suitable for B3/B14 D100 frame motor to IEC 71 standard
PORTS	Flanged, adaptors available
WEIGHT	20.5 lbs (9.3kg)

FEATURES

- Flows up to 71.3 gal (270 litres)/minute @ 1500 RPM
- Self prime from dry up to 14.8 ft (4.5 metres)
- Handles hard or soft solids
- Non pulsating flow
- Gentle pump action does not damage shear-sensitive products
- Easy to service and maintain

Bronze Pumps

Flexible Impeller Pumps 04

04 Flexible Impeller Pumps

BRONZE PUMPS



53270 Series



MODELS

See page 97 for Model Numbers

FEATURES

- Flows up to 71.3 gal (270 litres/minute) @ 1500 RPM
- Self primes from dry up to 14.8 ft (4.5 metres)
- Handles hard or soft solids
- Non pulsating flow
- Gentle pump action does not damage shear sensitive products
- Easy to service and maintain

SPECIFICATIONS

SEAL	Carbon/Ceramic/mechanical seal
PUMP HEAD	Bronze
END COVER	Brass
BEARINGS	Uses motor bearings
SHAFT	316 Stainless steel shaft extension
MOTOR ADAPTOR	Epoxy-coated aluminium, suitable for B3/B14/D100 frame motor to IEC 71 standard
PORTS	2" (50.8mm) BSP internal thread
WEIGHT	20.5 lbs (9.3kg)

2620 Bronze Pedestal Pump



SPECIFICATIONS

OPEN FLOW	4.4 gpm (20 lpm)
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene, Nitrile
SHAFT MATERIAL	Bronze
SHAFT DIAMETER	½" (12.7mm)
SHAFT SEAL MATERIAL	Neoprene lip type
PORT SIZE	3/8" (9.5mm) NPT (F)
MAXIMUM PRESSURE	13 psi (0.9 bar) or 30 ft (9.1 m) of head
PRIME DRY, WET	8-10 ft (2.4-3 m), 15-22 ft (4.6-6.7 m)
LIQUID TEMP.	45-160°F (8-70°C) Neoprene 50-160°F (10-82°C) Nitrile
SIZE	3 3/16" x 3 1/8" x 3 15/16" (81 x 79 x 100mm)
SHIP WT.	2.7 lbs (1.3 kg)

2760 Bronze Pedestal Pump



SPECIFICATIONS

OPEN FLOW	4.4 gpm (20 lpm)
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene, Nitrile
SHAFT MATERIAL	Stainless steel
SHAFT SEAL	Neoprene lip type
SHAFT DIAMETER	3/8" (9.5mm)
PORT SIZE	¼" NPT (F)
MAXIMUM PRESSURE	17 psi (1.2 bar) or 40 ft (12.2m) of head
PRIME DRY, WET	8-10 ft (2.4-3 m) 15-22 ft (4.6-6.7 m)
LIQUID TEMP.	45-180°F (7-82°C) Neoprene 50-180°F (10-82°C) Nitrile
SIZE	2 7/16" x 2 5/8" x 3 9/16" (62 x 67 x 90mm)
SHIP WT.	1.5 lbs (0.7 kg)

1673 Bronze Pedestal Flexible Impeller Pump



SPECIFICATIONS

OPEN FLOW	8.9 gpm (40 lpm)
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene, Nitrile
SHAFT MATERIAL	Stainless Steel
SHAFT SIZE	5/8" (15.9mm)
SHAFT SEAL	Lip or Face Seal
SHAFT SEAL MATERIAL	Nitrile
PORT SIZE	½" (12.7 mm) NPT (F)
PRIME DRY, WET	8-10 ft (2.4-3 m), 15-20 ft (4.6-6.7 m)
LIQUID TEMP.	45-160°F (8-70°C) 50-180°F (10-82°C)
MAXIMUM PRESSURE	21 psi (1.5 bar) or 50 ft (15.2m) of head
SIZE	3 13/16" x 4 1/8" x 4 1/2" (96 x 104 x 113mm)
SHIP WT.	4.25 lbs (1.4 kg)



04 Flexible Impeller Pumps

BRONZE PUMPS



777 Bronze Pedestal Flexible Impeller Pump



SPECIFICATIONS

OPEN FLOW	17.8 gpm (80 lpm)
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene, Nitrile
SHAFT MATERIAL	Stainless Steel
SHAFT SEAL	Face or Lip Type
SHAFT SEAL MATERIAL	Nitrile
PORT SIZE	1" (25.4mm) NPT (F)
MAXIMUM PRESSURE	26 psi (1.8 bar) or 60 ft (18.3m) of Head
PRIME DRY, WET	8-10 ft (2.4-3m), 20-22 ft (4.6-6.7m)
LIQUID TEMP.	45-160°F (8-70°C), Neoprene, 50-160°F (10-82°C), Nitrile
SIZE	3 9/16" x 4 3/4" x 6 5/16" (90 x 120 x 159mm)
SHIP WT.	5.8 lbs (2.6 kg)



18370 Bronze Pedestal Pump & 52270 Series



SPECIFICATIONS

OPEN FLOW	60gpm (270lpm)	Model 18370 (USA Only)	Model 52220
BODY	Bronze	Bronze	Bronze, Iron bearing housing
IMPELLER MATERIAL	Neoprene/Nitrile	Neoprene/Nitrile	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel	Stainless Steel	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical
SHAFT DIAMETER	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)
BEARING	Twin row, ball type	Twin row, ball type	Twin row, ball type
PORT SIZE	2" (50.8mm) NPT	2" (50.8mm) NPT	2" Flanged or 2" BSP (50.8mm)
PRIME DRY, WET	7.8ft (2.4m)	7.8ft (2.4m)	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	10.7" X 8.1" X 5.1" (276 X 170 X 129mm)	11" X 7" X 5" 2 (276 X 170 X 127mm)	11" X 7" X 5" 2 (276 X 170 X 127mm)
SHIP WEIGHT	19.8 lb (9 kg)	19.8 lb (9 kg)	19.8 lb (9 kg)

6400 Bronze Pedestal Pump



SPECIFICATIONS

OPEN FLOW	44.4 gpm (200 lpm)
BODY MATERIAL	Bronze
IMPELLER MATERIAL	Neoprene
SHAFT MATERIAL	Bronze
SHAFT SEAL	Carbon ceramic face type
SHAFT DIAMETER	1 1/4" (31.8mm)
PORT SIZE	1 1/4" (31.8mm) NPT (F)
MAXIMUM PRESSURE	26 psi (1.8 bar) or 60 ft (18.3m) of head
PRIME DRY, WET	8-10ft (2.4-30m), 15-22 ft (4.6-6.7m)
LIQUID TEMP.	45-180°F (8-70°C) Neoprene, 50-180°F (10-82°C) Nitrile
SIZE	4 7/8" x 5 7/8" X 8 1/16" (123 x 149 x 204mm)
SHIP WT.	10.5 lbs (4.8 kg)

51510 & 51520 Series



SPECIFICATIONS

OPEN FLOW	2.2gpm (10lpm)	Model 51510	Model 51520
BODY	Bronze	Bronze	Bronze
IMPELLER MATERIAL	Neoprene	Neoprene	Neoprene
SHAFT MATERIAL	Stainless Steel	Stainless Steel	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical
SHAFT DIAMETER	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)
BEARING	Sealed Ball Bearings	Sealed Ball Bearings	Sealed Ball Bearings
PORT SIZE	3/8" BSP or 3/8" NPT (9.5mm)	3/8" BSP or 3/8" NPT (9.5mm)	3/8" BSP or 3/8" NPT (9.5mm)
PRIME DRY, WET	4.9ft (1.5m)	4.9ft (1.5m)	4.9ft (1.5m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	3-5/8" X 3" X 2-3/8" (92 X 80 X 60mm)	3-5/8" X 3" X 2-3/8" (92 X 80 X 60mm)	3-5/8" X 3" X 2-3/8" (95.4 X 80 X 85mm)
SHIP WEIGHT	1.4 lb (0.62 kg)	1.4 lb (0.62 kg)	1.5 lb (0.67 kg)

04 Flexible Impeller Pumps

BRONZE PUMPS



52040 & 52580 Series



SPECIFICATIONS

	Model 52040 (European Only)	Model 52580
OPEN FLOW	8.9gpm (40lpm)	17.8gpm (80lpm)
BODY	Bronze	Bronze
IMPELLER MATERIAL	Neoprene/Nitrile	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel	Stainless Steel
SHAFT SEAL	Lip type	Carbon/Ceramic Mechanical
SHAFT DIAMETER	1" (25.4mm)	1" (25.4mm)
BEARING	Twin row, ball type	Twin row, ball type
PORT SIZE	3/4" BSP (19mm)	1" BSP 1" NPT (25mm)
PRIME DRY, WET	7.8ft (2.4m)	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	5" X 4" X 3" (128 X 106 X 76mm)	6-1/2" X 5" X 4" (160 X 120 X 100mm)
SHIP WEIGHT	3.3 lb (1.5 kg)	7.33 lb (3.33 kg)

11860 & 11870 Series



SPECIFICATIONS

	Model 11860	Model 11870
OPEN FLOW	23gpm (87lpm)	62gpm (234lpm)
BODY	Bronze	Bronze
IMPELLER MATERIAL	Neoprene/Nitrile	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical
PULLEY DIAMETER	7" (178mm)	7" (178mm)
BELT	2 Groove A, 1 Groove B	2 Groove A, 1 Groove B
CLUTCH VOLTAGE	12 / 24 vdc	12 / 24 vdc
BEARING	Twin row, ball type	Twin row, ball type
PORT SIZE	1" (25.4mm) NPT	1-3/4" (31.75mm)
PRIME DRY, WET	7.8ft (2.4m)	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	6-3/16" X 5-3/8" X 4-29/32" (157 X 137 X 125mm)	8-3/16" X 6-1/16" X 7-1/16" (208 X 154 X 179mm)
SHIP WEIGHT	15 lb (6.8 kg)	19.5 lb (8.9 kg)



52200 & 52220 Series



SPECIFICATIONS

	Model 52200	Model 52220
OPEN FLOW	44.5gpm (200lpm)	44.5gpm (200lpm)
BODY	Bronze	Bronze
IMPELLER MATERIAL	Neoprene/Nitrile	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical
SHAFT DIAMETER	1" (25.4mm)	1" (25.4mm)
BEARING	Twin row, ball type	Twin row, ball type
PORT SIZE	1-1/2" BSP (38.1 mm)	1-1/2" Flange (38.1 mm)
PRIME DRY, WET	7.8ft (2.4m)	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	8" X 6" X 5" (204 X 150 X 120mm)	10-1/2" X 6" X 6" (276 X 152 X 146mm)
SHIP WEIGHT	11 lb (5 kg)	15.4lb (7 kg)

50580 Series



SPECIFICATIONS

OPEN FLOW	17.8gpm (80lpm)
BODY	Bronze
IMPELLER MATERIAL	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical
PULLEY DIAMETER	7" (178mm)
BELT	2 Groove A, 1 Groove B
CLUTCH VOLTAGE	12 / 24 vdc
BEARING	Twin row, ball type
PORT SIZE	1" (25.4mm) NPT, 1" (25.4mm) BSP
PRIME DRY, WET	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)
SIZE	6-1/2" X 5" X 7" (160 X 120 X 178mm)
SHIP WEIGHT	11 lb (5 kg)

04 Flexible Impeller Pumps

BRONZE PUMPS



50200 & 50220 Series



SPECIFICATIONS

OPEN FLOW	Model 50200 (European Only) 44.5gpm (200lpm)	Model 50220 (European Only) 44.5gpm (200lpm)
BODY	Bronze	Bronze
IMPELLER MATERIAL	Neoprene/Nitrile	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical
PULLEY DIAMETER	7" (178mm)	7" (178mm)
BELT	2 Groove A, 1 Groove B	2 Groove A, 1 Groove B
CLUTCH VOLTAGE	12 / 24 vdc	12 / 24 vdc
BEARING	Twin row, ball type	Twin row, ball type
PORT SIZE	1-1/2" (38.1 mm) BSP	1-1/2" (38.1 mm) Flange
PRIME DRY, WET	7.8ft (2.4m)	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	9-1/2" X 6" X 7"	9-1/2" X 6" X 7"
SHIP WEIGHT	25 lb (11.2 kg)	25 lb (11.2 kg)



SPECIFICATIONS

OPEN FLOW	Model 18330 83gpm (31.4lpm)	Model 50270 60gpm (270lpm)
BODY	Bronze	Bronze
IMPELLER MATERIAL	Neoprene/Nitrile	Neoprene/Nitrile
SHAFT MATERIAL	Stainless Steel	Stainless Steel
SHAFT SEAL	Carbon/Ceramic Mechanical	Carbon/Ceramic Mechanical
PULLEY DIAMETER	7" (178mm)	7" (178mm)
BELT	2 Groove A, 1 Groove B	2 Groove A, 1 Groove B
CLUTCH VOLTAGE	12 / 24 vdc	12 / 24 vdc
BEARING	Twin row, ball type	Twin row, ball type
PORT SIZE	2" (50.8mm) NPT	2" (5.8mm) BSP, 2" (5.8mm) Flange
PRIME DRY, WET	7.8ft (2.4m)	7.8ft (2.4m)
LIQUID TEMP	45F to 180F (7C to 82C)	45F to 180F (7C to 82C)
SIZE	12-7/16" X 5-15/16" X 5-3/4"	10" X 7" X 7"
SHIP WEIGHT	24 lb (11 kg)	27 lb (12.2 kg)

18330 & 50270 Series



STAINLESS STEEL PUMPS

28230 & 28240 Series



FEATURES

- Self primes from dry up to 16.4ft (5.0 metres)
- Flows up to 10.6 gal (40 litres) per minute
- Pressure up to 43.5 psi (3.0 bar)
- Handles hard or soft solids - max. .2in (5mm) diameter
- Tolerates abrasive wear - replaceable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 4,000 centipoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain
- Fits IEC standard motor B3/B14, frame 80 (Model 28240)



SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal
OPTIONAL	Tungsten Carbide / Ceramic hard faced mechanical seal Nitrile Lip seal on shaft sleeve, Carbon / Ceramic flushed seal, Tungsten Carbide / Ceramic hard faced flushed seal
SEAL ELASTOMER	Nitrile or Viton
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade
BEARINGS	Greased ball bearings (Model 28230)
BEARING HOUSING	Epoxy coated cast iron (Model 28230)
BEARINGS	Uses motor bearings (Model 28240)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28240)
PORTS	3/4" (19mm) BSP internal thread to BS21 (DIN2999)
WEIGHT	6.8 lbs (2.8kg) (Model 28230)
WEIGHT	5.7 lbs (2.6kg) (Model 28240)
PRESSURE OPTIONS	Standard - Max 2.5 bar High - Max 3.0 bar
IMPELLER ELASTOMER OPTION	Neoprene, EPDM, Nitrile, Viton*

28330 & 28340 Series



FEATURES

- Self primes from dry up to 16.4ft (5.0 metres)
- Flows up to 21 gal (80 litres) per minute
- Pressure up to 58 psi (4.0 bar)
- Handles hard or soft solids - max. (.2in) 6mm diameter
- Tolerates abrasive wear - replaceable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 4,000 centipoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80 (Model 28340)
- Easy to service and maintain

SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal
OPTIONAL	Tungsten Carbide / Ceramic hard faced mechanical seal Nitrile Lip seal on shaft sleeve, Carbon / Ceramic flushed seal, Tungsten Carbide / Ceramic hard faced flushed seal
SEAL ELASTOMER	Nitrile or Viton
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28330)
SHAFTS	Stainless steel 316 grade, shaft extension (Model 28340)
BEARINGS	Greased ball bearings (Model 28330)
BEARING HOUSING	Epoxy coated cast iron (Model 28330)
BEARINGS	Uses motor bearings (Model 28340)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28340)
PORTS	1" (25.4mm) BSP internal thread to BS21 (DIN2999)
WEIGHT	9.3 lbs (4.2kg) (Model 28330)
WEIGHT	7.3 lbs (3.3kg) (Model 28340)
PRESSURE OPTIONS	Max. 36 psi (2.5 bar) High - Max. 58 psi (4.0 bar)
IMPELLER ELASTOMER OPTION	Neoprene EPDM, Nitrile, Viton*

Bronze Pumps & Stainless Steel Pumps

Flexible Impeller Pumps 04

04 Flexible Impeller Pumps

STAINLESS STEEL PUMPS



28430 & 28440 Series



SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal
OPTIONAL:	Tungsten Carbide / Ceramic hard faced mechanical seal Nitrile Lip seal on shaft drive, Carbon / Ceramic flushed seal, Tungsten Carbide / Ceramic hard faced flushed seal
SEAL ELASTOMER	Nitrile or Viton
PUMP HEAD	Stainless steel 316, as-cast interior and exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28430)
SHAFTS	Stainless steel 316 grade, shaft extension (Model 28440)
BEARINGS	Greased ball bearings (Model 28430)
BEARING HOUSING	Epoxy coated cast iron (Model 28440)
PORTS	1 1/2" (38.1mm) BSP internal thread to BS21 (DIN2999)
WEIGHT	19.2 lbs (8.7kg) (Model 28430)
WEIGHT	14.1 lbs (6.4kg) (Model 28440)
PRESSURE OPTIONS	Medium - Max 36.3 psi (2.5 bar) High - Max 58 psi (4.0 bar)
IMPELLER ELASTOMER OPTION	Neoprene E.P.D.M. Nitrile Viton* Neoprene E.P.D.M. Nitrile Viton*
PRESSURE OPTIONS	Standard - Max 2.5 bar High - Max 4.0 bar
IMPELLER ELASTOMER OPTION	Neoprene E.P.D.M. Nitrile Viton*

FEATURES

- Self primes from dry up to 16.4 ft (5.0 metres)
- Flows up to 52.8 gal (200 litres) per minute
- Pressure up to 58 psi (4.0 bar)
- Handles hard or soft solids - max...36 in (9mm) dia
- Tolerates abrasive wear - replaceable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 10,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, Frame 90 (Model 28440)
- Easy to service and maintain



28530 & 28540 Series



SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal
OPTIONAL:	Tungsten Carbide / Ceramic hard faced mechanical seal Nitrile Lip seal on shaft drive, Carbon / Ceramic flushed seal, Tungsten Carbide / Ceramic hard faced flushed seal
SEAL ELASTOMER	Nitrile or Viton
PUMP HEAD	Stainless steel 316, as-cast exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28530)
BEARINGS	Greased ball bearings (Model 28530)
BEARING HOUSING	Epoxy coated cast iron (Model 28540)
BEARINGS	Uses motor bearings (Model 28540)
MOTOR ADAPTOR	Epoxy coated cast iron
PORTS	2" (50.8mm) BSP external thread to BS21 (DIN2999)
WEIGHT	32 lbs (14.5kg) (Model 28530)
WEIGHT	21.4 lbs (9.7kg) (Model 28540)
PRESSURE OPTIONS	Medium - Max 36.3 psi (2.5 bar) High - Max 43.5 psi (3.0 bar)
ELASTOMER OPTION	3A Neoprene E.P.D.M. Nitrile Viton* 3A Neoprene E.P.D.M. Nitrile Viton*
IMPELLER ELASTOMER OPTION	Neoprene E.P.D.M. Nitrile Viton* Neoprene E.P.D.M. Nitrile Viton*

FEATURES

- Self primes from dry up to 14.8 ft (4.5 metres)
- Flows up to 97.7 gal (370 litres) per minute
- Pressure up to 43.5 psi (3.0 bar)
- Handles hard or soft solids - max...5 in (13mm) diameter
- Tolerates abrasive wear - replaceable wearplate
- Non pulsating flow, proportional to speed
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, Frame 100 (Model 28540)
- Easy to service and maintain

04 Flexible Impeller Pumps

STAINLESS STEEL PUMPS



30510 Industrial Stainless Steel Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and 316 Stainless Steel material is desirable. Self-priming, 8 gpm flow, and debris tolerant. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and most solvents.

Optional EPDM impeller kit 7614-0002 for hygienic applications and some ketone solvents. Use Tungsten Carbide seal when pumping highly corrosive or abrasive fluids. Long lasting AC induction motor has no brushes to wear out. Do not pump gasoline or other flammable liquids. Motor is not explosion proof. Do not run dry.

For pumphead only models (30510-2xxx) select NEMA 56C Frame C-Face motor rated at ¾ hp at 1750 RPM with appropriate service factor. Motor must handle high axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 1.5 ft-lbs and 4.3 ft-lbs torque minimum in forward and reverse directions respectively. Use only capacitor start motors.

For pedestal mount models (30510-0xxx) operating at 1750 RPM, select ¾ hp or 1 ½ hp motor for standard or high pressure impellers respectively, with an appropriate service factor. For high pressure impellers, the motor must supply 3 ft-lbs or 6.9 ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on Neoprene impeller pumping water. Reduce rated flow 10% for Nitrile, Viton, and EPDM standard impellers. Reduce rated flow 15% for Nitrile, Viton and EPDM high pressure impellers.



SPECIFICATIONS

OPEN FLOW	8.2 gpm; 31 lpm			
VOLTAGE	115V AC 60Hz single phase, non-CE			
BODY MATERIAL	316 stainless steel			
IMPELLER MATERIAL	Neoprene, Nitrile, Viton, optional EPDM			
SHAFT MATERIAL	316 stainless steel			
SHAFT SEAL	mechanical carbon or tungsten carbide on ceramic			
PORT SIZE	¾" (19mm) NPT(F)			
MOTOR	¾" (19mm) HP, TEFC AC induction type 56C frame, C face 6 ft (1.8m) power cord, 3 prong grounded plug thermal overload protected			
MAXIMUM PRESSURE	30 PSI (2.1 bar) or 70 ft (21.3 m) of head 60 PSI (4.2 bar) or 139 ft (42.4m) of head			
DRY PRIME	Neoprene	Nitrile	Viton	EPDM
	8-10 ft	8-10 ft	4-6 ft	4-6ft
	(2.4-3.0m)	(2.4-3.0m)	(1.2-1.8m)	(1.2-1.8m)
WET PRIME	18-22 ft	18-22 ft	18-22 ft	18-22 ft
	(5.5-6.7m)	(5.5-6.7m)	(5.5-6.7m)	(5.5-6.7m)
LIQUID TEMP.	45-180°F (8-82°C) Neoprene 50-180°F (10-82°C) Nitrile 60-180°F (15-82°C) Viton 45-185°F (7-85°C) EPDM			
SIZE: PUMP AND MOTOR	9 1/8" x 8 7/8" x 16" (230 x 224 x 403mm)			
PUMP HEAD ONLY	6 5/8" x 6 5/8" x 5 3/4" (162 x 162 x 145mm)			
PEDESTAL MOUNT	4 3/4" x 4 3/4" x 9 1/4" (120 x 120 x 233mm)			
SHIP WT. MOTOR	36 lbs (16.3 kg)			
PUMP HEAD ONLY	7.5 lbs (3.4 kg)			
PEDESTAL MOUNT	8.5 lbs (3.9 kg)			



30520 Industrial Stainless Steel Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation is desirable. Self-priming, 22 gpm flow, debris tolerant. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and most solvents. Optional EPDM impeller kit 8981-0002 for hygienic applications and some ketone solvents. Use Tungsten Carbide seal when pumping highly corrosive or abrasive fluids. Do not pump gasoline or other flammable liquids. Motor is not explosion proof. Do not run dry.

For pumphead only models (30520-2xxx) select NEMA H145TC Frame C-Face motor rated at 1 ½ hp at 1750 RPM with appropriate service factor. Motor must handle high axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 4.8 ft-lbs and 11.2 ft-lbs torque minimum in forward and reverse directions respectively. Use only capacitor start motors.

For pedestal mount models (30520-0xxx) operating at 1750 RPM, select 1 ½ hp or 3 hp motor for standard or high pressure impellers respectively, with an appropriate service factor. For high pressure impellers, the motor must supply 7.9 ft-lbs or 16.3 ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on Neoprene impeller pumping water. Reduce rated flow 10% for Nitrile, Viton, and EPDM standard impellers. Reduce rated flow 15% for Nitrile, Viton and EPDM high pressure impellers.

SPECIFICATIONS

OPEN FLOW	22 gpm (83 lpm)			
VOLTAGE	115/230V AC 60Hz single phase, non-CE			
BODY MATERIAL	316 Epoxy			
IMPELLER MATERIAL	Neoprene, Nitrile, Viton, Optional EPDM			
SHAFT MATERIAL	316 Epoxy Sleeve			
SHAFT SEAL	mechanical carbon or tungsten carbide on ceramic			
PORT SIZE	1" (25.4mm) NPT(F)			
MOTOR	1 ½ HP TEFC AC induction type H145 TC frame, C face 6 ft (1.8m) power cord, 3 prong grounded plug thermal overload protected			
MAXIMUM PRESSURE	30 psi (2.1 bar) or 69 ft (21m) of head-standard 60 psi (4.2 bar) or 138 ft (42m) of head-high pressure			
DRY PRIME	Neoprene	Nitrile	Viton	EPDM
	8-10 ft	8-10 ft	4-6 ft	4-6ft
	(2.4-3.0m)	(2.4-3.0m)	(1.2-1.8m)	(1.2-1.8m)
WET PRIME	18-22 ft	18-22 ft	18-22 ft	18-22 ft
	(5.5-6.7m)	(5.5-6.7m)	(5.5-6.7m)	(5.5-6.7m)
LIQUID TEMP.	50-180°F (10-82°C) Nitrile 45-180°F (8-82°C) Neoprene 60-180°F (15-82°C) Viton 45-185°F (7-85°C) EPDM			
SIZE: PUMP AND MOTOR	8 7/16" x 8 7/8" x 18 1/4" (213 x 224 x 460mm)			
PUMP HEAD ONLY	6 5/8" x 6 5/8" x 7 1/2" (167 x 167 x 189mm)			
PEDESTAL MOUNT	4 3/4" x 4 3/4" x 9 1/4" (120 x 120 x 233mm)			
SHIP WT. MOTOR	36 lbs (16.3 kg)			
PUMP HEAD ONLY	7.5 lbs (3.4 kg)			
PEDESTAL MOUNT	8.5 lbs (3.9 kg)			



04 Flexible Impeller Pumps

STAINLESS STEEL PUMPS



30530 Industrial Stainless Steel Pedestal & Close-Coupled Flex Pump



Use where single or variable speed operation and 316 Stainless Steel material is desirable. Self-priming, 50 gpm flow, debris tolerant. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Use Viton for hydrocarbons and most solvents. Optional standard EPDM impeller kit 14346-0002 for hygienic applications and some keytone solvents. Use Tungsten Carbide seal when pumping highly corrosive or abrasive fluids. Do not pump gasoline or other flammable liquids. Motor is not explosion proof. Do not run dry.

For pumphead only models (30530-2-xxx) select NEMA 184TC Frame C-Face motor rated at 5 hp at 1750 RPM with appropriate service factor. Motor must handle high axial loads. Front ball bearing locked against axial movement is recommended. Motor must deliver 14.5 ft-lbs and 43 ft-lbs torque minimum in forward and reverse directions respectively. For standard impellers only. Use only capacitor start motors.

For pedestal mount models (30530-0-xxx) operating at 1750 RPM, select 3 hp or 6 hp motor for standard or high pressure impellers respectively, with an appropriate service factor. For high pressure impellers, the motor must supply 26 ft-lbs or 40 ft-lbs of torque minimum for forward and reverse operation respectively.

Rated flow is based on Neoprene impeller pumping water. Reduce rated flow 10% for Nitrile, Viton, and EPDM standard impellers. Reduce rated flow 15% for Nitrile, Viton and EPDM high pressure impellers.

SPECIFICATIONS

OPEN FLOW	50 gpm (189 lpm)		
VOLTAGE	230/460V AC 60Hz three phase, non CE		
BODY MATERIAL	316 stainless steel		
IMPELLER MATERIAL	Neoprene, Nitrile, Viton, Optional EPDM		
SHAFT MATERIAL	316 stainless steel		
SHAFT SEAL	Mechanical carbon or tungsten carbide, on ceramic		
PORT SIZE	1 1/2" (38mm) NPT(F)		
MOTOR	5 hp, TEFC AC induction type 184 TC frame, C-face 6 ft (1.8m) power cord, 3 prong grounded plug thermal overload protected		
DRY PRIME	Neoprene	Nitrile	Viton
	8-10 ft (2.4-3.0m)	8-10 ft (2.4-3.0m)	4-6 ft (1.2-1.8m)
WET PRIME	18-22 ft (5.5-6.7m)	18-22 ft (5.5-6.7m)	8-22 ft (2.4-6.7m)
	30 psi (2.1 bar) or 69 ft (21 m) of head-standard	60 psi (4.2 bar) or 138 ft (42 m) of head-high pressure	
MAXIMUM PRESSURE	50-180°F (10-82°C) Nitrile 45-180°F (6-82°C) Neoprene, 60-180°F (15-82°C) Viton, 45-185°F (7-85°C) EPDM		
LIQUID TEMP.	9" x 10 3/8" x 23 1/2" (227 x 262 x 586mm)		
SIZE MOTOR	9" x 9" x 8.5/16" (227 x 227 x 210mm)		
PUMP HEAD ONLY	5 3/4" x 6.7/8" x 11 9/16" (145 x 174 x 292mm)		
PUMP AND MOTOR	93.5 lbs (42.5 kg)		
PUMP HEAD ONLY	30.0 lbs (13.6 kg)		
PEDestal MOUNT	21.0 lbs (9.5 kg)		



30540 Industrial Stainless Steel Pedestal Pump



For pedestal mount models operating at 1750 RPM, select 5 hp or 7 hp motor for standard or high pressure impellers respectively, with an appropriate service factor. For standard pressure impellers, the motor must supply 21 ft-lbs or 38 ft-lbs of torque minimum for forward and reverse operation respectively. For high pressure impellers, the motor must supply 28 ft-lbs or 49 ft-lbs of torque minimum for forward and reverse operation respectively. Optional standard EPDM impeller kit 8963-0002 and high pressure EPDM impeller kit 8600-0002.

Rated flow is based on standard Neoprene impeller pumping water. Reduce rated flow 10% for Nitrile, Viton, and EPDM standard and high pressure impellers.



SPECIFICATIONS

OPEN FLOW	105 gpm (397 lpm)		
BODY MATERIAL	316 Stainless Steel		
IMPELLER MATERIAL	Neoprene, Nitrile, Viton, EPDM		
SHAFT MATERIAL	316 Stainless Steel		
SHAFT SEAL	Mechanical Carbon-on-Ceramic, Nitrile or Viton, Mechanical Carbon-on-Tungsten, Nitrile or Viton (50.8mm) NPT(M)		
PORT SIZE	2" (50.8mm) NPT(M)		
MAXIMUM PRESSURE	20 psi (1.4 bar) or 46 ft (14m) lift-standard pressure impeller 60 psi (4.1 bar) or 138 ft (42m) lift-high pressure impeller		
DRY PRIME	Neoprene	Nitrile	Viton
	8-10 ft (2.4-3.0m)	8-10 ft (2.4-3.0m)	4-6 ft (1.2-1.8m)
WET PRIME	18-22 ft (5.5-6.7m)	18-22 ft (5.5-6.7m)	18-22 ft (5.5-6.7m)
	50-180°F (10-82°C) Nitrile 45-180°F (6-82°C) Neoprene 60-180°F (15-82°C) Viton 45-185°F (7-85°C) EPDM		
LIQUID TEMP.	223 x 191 x 359mm) PEDESTAL		
SIZE	8 3/4" x 7 1/2" x 14 1/8"		
SHIP WT.	8.5 lbs (3.9 kg) PEDESTAL MOUNT		

4720 Stainless Steel Utility Flex Pump



Use where stainless steel, self-priming, 11 gpm flow, debris tolerance and portable 115V AC or 230V AC 60 Hz operation is desired. Nitrile impeller is ideal for oil based products. Use Neoprene for water and general purpose pumping. Do not run dry.



SPECIFICATIONS

OPEN FLOW	11 gpm (41 lpm)		
VOLTAGE	115 / 230V AC 60Hz single phase, non CE		
BODY MATERIAL	Stainless steel		
IMPELLER MATERIAL	Neoprene, Nitrile		
SHAFT MATERIAL	316 stainless steel		
SHAFT SEAL	Neoprene lip type		
PORT SIZE	1/2" (12.7mm) NPT(F)		
MOTOR	1/3HP TEFC AC Induction Type 6 ft (1.8m) power cord, 3 prong grounded plug thermal overload protected		
MAXIMUM PRESSURE	21 psi (1.5 bar) or 50 ft (15.2m) of Head		
PRIME DRY, WET	8-10 ft (2.4-3.0m) 18-22 ft (5.5-6.7m)		
LIQUID TEMP.	50-180°F (10-82°C) Nitrile 45-180°F (8-82°C) Neoprene		
SIZE	8 1/2" x 7 1/4" x 13 1/8" (208 x 195 x 331mm)		
SHIP WT.	35 lbs (15.9 kg)		

MODELS	CE	VOLTAGE	IMPELLER	STYLE
4720-0001	No	115/230 VAC	Neoprene	MPU Pedestal
4720-0003	No	115/230 VAC	Nitrile	MPU Pedestal

04 Flexible Impeller Pumps

SANITARY INTRODUCTION



Flexible Impeller Hygienic Positive Displacement Pump

Jabsco Hygienic Flexible Impeller Pumps handle low and high-viscosity liquids, gels and pastes and can pass suspended soft and hard solids with minimal damage. The output flow is smooth, steady and totally pulsation-free and their gentle pumping action will not break down shear-sensitive or fragile liquids. Designed to be cleaned in place or easily strip-cleaned, Xylem Jabsco flexible impeller pumps frequently offer a more suitable and cost-effective alternative to many other pump types.



PEDESTAL PUMPS



MOTOR MOUNT PUMPS



MILK TANKER PUMPS

OPTIONS

- Pedestal pumps to couple to gearbox or belt-drive
- Hygienic rubber impeller
- Long-life mechanical shaft seal
- All 316 grade Stainless Steel parts with high surface finish
- Used in Food, Dairy, Beverage, Healthcare & Cosmetics sectors

MOTOR MOUNT PUMPS

- Used in Food, Dairy, Beverage, Healthcare & Cosmetics sectors
- Close-coupled to motor (unitlock); compact and economical
- Suitable for mounting onto standard IEC or NEMA motors
- Hygienic rubber impeller
- Long-life mechanical shaft seal
- All 316 grade Stainless Steel parts with high surface finish

MILK TANKER PUMPS

- Specialised pumps for Milk Tanker loading at dairy farms
- Bulkhead mounted for hydraulic drive
- Quick-release end-cover for winter drain-down and inspection
- By-pass option for effective CIP without the need to run the pump
- Hygienic rubber impeller

DESIGN FEATURES

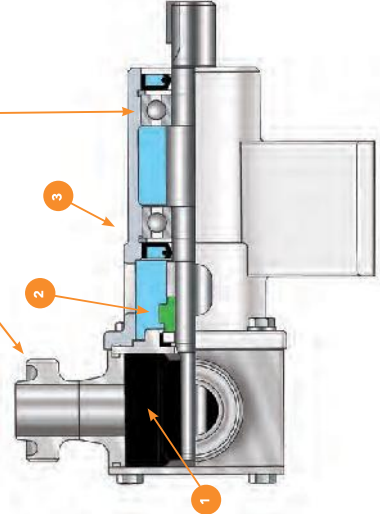
- Dry self-priming
- All 316 Stainless Steel parts with high surface finish
- Hygienic rubber impeller leaves no taste or odor
- Elastomers Certified to US 3A Standard 18-03
- Pump certified to US 3A Standard 02-10
- Long-life mechanical shaft seal
- Easy strip-to-clean
- USDA Approved
- Variety of port types and impeller material options
- Chemical-resistant 316 Stainless Steel parts
- Rugged heavy-duty construction
- Replaceable wearplates
- Passes even hard metal particles without stalling
- Long-life mechanical shaft seal
- Variety of shaft seal options
- 3A Variants - Must be specified with HYG Neoprene or EPDM.
- Port Options - Tri-Clamp, IDF, 3A, DIN 11851



FLEXIBLE IMPELLER

PUMP MODEL (US)	282x0 (30550)		283x0 (30560)		284x0 (30570)		285x0 (30580)		286x0 (N/A)	
	Head Kit	Pedestal	Head Kit	Pedestal	Head Kit	Pedestal	Head Kit	Pedestal	Head Kit	Pedestal
SIZE	40	80	200	370	500					
PORT SIZE	(MM) 1	25	38	50	63					
MAX FLOW (PER MIN)* (LITRE) (US GAL)	1	1	1 1/4	2	2 1/4					
MAX PRESSURE* (BAR) (PSI)	58	128	225	365	500					
MAX SPEED (RPM)	15.3	33.8	59.5	96	132					
SIZE LxBxH (MM)	169 x 115 x 147	214 x 130 x 160	260 x 162 x 180	337 x 186 x 218	475 x 192 x 224					
BARRESHAFT WEIGHT (KG) (LBS)	6.5 x 4.5 x 5.75	8.5 x 5 x 6.25	10.25 x 6.25 x 7	13.7 x 7.25 x 8.5	18.75 x 7.5 x 8.75					
TEMP NEOPRENE °C (°F)	2.9 (6.4)	4.4 (9.7)	6.6 (44.5)	14.7 (58.5)	22 (82)					
TEMP EPDM °C (°F)	65 (149)	65 (149)	65 (149)	65 (149)	65 (149)					
VISCOSITY (cP)	120 (248)	120 (248)	120 (248)	120 (248)	120 (248)					

1 to 50,000



CONSTRUCTION DETAILS

1. Food grade rubber impeller available in Neoprene, EPDM and Nitrile options which fully conform to today's stringent hygienic standards.
2. Wide variety of long-life interchangeable seal types to suit many applications makes service & maintenance easy.
3. Choice of head kit or pedestal bearing housing satisfies the individual's requirement for unitization. On larger models, bulkhead mounted pumps are available if the option of fitting to hydraulic drive is required.
4. Range of port options for maximum flexibility.
5. Long life, high specification bearings give over 1 million hours life on a typical duty.

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



28200 Series Stainless Steel Pedestal Pump & 28220 Head Kit Pump



SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical face seal, Tungsten Carbide/Ceramic hard faced seal, Flushed options for crystallizing fluids
SEAL ELASTOMER	Food grade Nitrile
PUMP HEAD	Stainless steel 316, machined interior and electropolished exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade
BEARINGS	Twin single row, ball type
PORTS	1" (25.4 mm) Tri-Clamp .98 in (25mm) IDP/ISS 1" (25.4 mm) RJT to BS1864 .98 in (25mm) SMS 1145
WEIGHT	6.36 lb 2.9 kg
PRESSURE OPTIONS	Standard - Max 2.5 bar High - Max 4.0 bar
IMPELLER ELASTOMER OPTION	3A Food Grade Neoprene or EPDM

FEATURES

- Self-priming from dry up to 7.8 ft (2.4m)
- Flows up to 10.5 GPM (40 LPM)
- Pressure up to 43.5 psi (3.0 bar)
- Handles soft solids - max. .31 in (8 mm) dia
- Certified to US 3A Standard 02-10
- Clean-in-Place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

28300 Series Stainless Steel Pedestal Pump & 28320 Head Kit Pump



SPECIFICATIONS

SEAL	Carbon/Ceramic mechanical face seal, Tungsten Carbide/Ceramic hard faced seal, Flushed options for crystallizing fluids
SEAL ELASTOMER	Food grade Nitrile
PUMP HEAD	Stainless steel 316, machined interior and electropolished exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28300)
SHAFT	Stainless steel 316 grade shaft extension (Model 28320)
BEARINGS	Greased ball bearings (Model 28300)
BEARINGS	Uses motor bearings (Model 28320)
BEARING HOUSING	Epoxy coated cast iron (Model 28300)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28300)
PORTS	1" (25.4 mm) Tri-Clamp .98 in (25mm) IDP/ISS 1" (25.4 mm) RJT to BS1864 .98 in (25mm) SMS 1145
WEIGHT	4.4kg (Model 28300), 3.5kg (Model 28300)
PRESSURE OPTIONS	Standard - Max 3.6 psi (2.5 bar) High - Max 58 psi (4.0 bar)
IMPELLER ELASTOMER OPTION	3A Neoprene EPDM.

FEATURES

- Self-priming from dry up to 16.4 ft (5.0 m)
- Flows up to 21.2 GPM (80 LPM)
- Pressure up to 58 psi (4.0 bar)
- Handles soft solids - max. .47 in (12mm) dia
- Certified to US 3A Standard 02-10
- Clean-in-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centipoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80
- Easy to service and maintain



28400 Series Stainless Steel Pedestal Pump & 28420 Head Kit Pump



SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal Tungsten Carbide / Ceramic hard faced seal Flushed options for crystallizing fluids
SEAL ELASTOMER	Food grade Nitrile
PUMP HEAD	Stainless steel 316, machined interior and electropolished exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28400)
SHAFT	Stainless steel 316 grade shaft extension (Model 28420)
BEARINGS	Greased ball bearings (Model 28400)
BEARINGS	Uses motor bearings (Model 28420)
BEARING HOUSING	Epoxy coated cast iron (Model 28400)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28420)
PORTS	1 1/2" (38.1 mm) Tri-Clamp 1 1/2" (38mm) IDP/ISS 1 1/2" (38.1 mm) RJT to BS1864 1 1/2" (38.1 mm) 3A Bevel Seat 1.57 in (40mm) DIN 11851 1 1/2" 38mm SMS 1145
WEIGHT	9.1kg (Model 28400)
WEIGHT	6.6kg (Model 28420)
PRESSURE OPTIONS	Standard - Max 36.3 psi (2.5 bar) High - Max 58 psi (4.0 bar)
IMPELLER ELASTOMER OPTION	3A Neoprene EPDM.

FEATURES

- Self-priming from dry up to 16.4 ft (5.0 m)
- Flows up to 52.8 GPM (200 LPM)
- Pressure up to 58 psi (4.0 bar)
- Handles soft solids - max. .63 in (16 mm) diameter
- Certified to US 3A Standard 02-10
- Clean-in-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centipoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90 (model 28420)
- Easy to service and maintain

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



28500 Series Stainless Steel Pedestal Pump & 28520 Head Kit Pump



SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal Tungsten Carbide / Ceramic hard faced seal
SEAL ELASTOMER	Flushed options for crystallising fluids Food grade Nitrile
PUMP HEAD	Stainless steel 316, machined interior and electropolished exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28500)
BEARINGS	Stainless steel 316 grade shaft extension (Model 28520)
BEARINGS	Greased ball bearings (Model 28500)
BEARING HOUSING	Uses motor bearings (Model 28520)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28500)
PORTS	Epoxy coated cast iron (Model 28520)
WEIGHT	27 (50.8 mm) Tr-Clamp 27 (50.8 mm) ID/F/BS
WEIGHT	27 (50.8 mm) RJT to BS1864 1.97 in (50 mm) DIN 11851
WEIGHT	27 (50.8 mm) SMS 1145
WEIGHT	14.7kg (Model 28500)
WEIGHT	10.0 kg (Model 28520)
PRESSURE OPTIONS	Standard - Max 36.3 psi (2.5 bar) High - Max 43.5 psi (3.0 bar)
IMPELLER ELASTOMER OPTION	3A Neoprene EPDM.

FEATURES

- Self primes from dry up to 4.5 metres
- Flows up to 365 liters per minute
- Pressure up to 43.5 psi (3.0 bar)
- Handles soft solids - max. .71 in (18 mm) dia
- Certified to US 3A Standard 02-10
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 80 (model 28520)
- Easy to service and maintain



28600 Series Stainless Steel Pedestal Pump & 28620 Head Kit Pump



SPECIFICATIONS

SEAL	Carbon / Ceramic mechanical face seal Tungsten Carbide / Ceramic hard faced seal
SEAL ELASTOMER	Flushed options for crystallising fluids Food grade Nitrile
PUMP HEAD	Stainless steel 316, machined interior and electropolished exterior finish
END COVER	Stainless steel 316 grade
SHAFT	Stainless steel 316 grade (Model 28600)
BEARINGS	Stainless steel 316 grade shaft extension (Model 28620)
BEARINGS	Greased ball bearings (Model 28600)
BEARING HOUSING	Uses motor bearings (Model 28620)
MOTOR ADAPTOR	Epoxy coated cast iron (Model 28600)
PORTS	Epoxy coated cast iron (Model 28620)
WEIGHT	27 (63.5 mm) Tr-Clamp 27 (63.5 mm) ID/F/BS
WEIGHT	27 (63.5 mm) RJT to BS1864 2.6 in (65mm) DIN 11851
WEIGHT	27 (63.5 mm) SMS 1145
WEIGHT	48.5 lb (22.0kg)
WEIGHT	15.0kg (Model 28620)
PRESSURE OPTIONS	Standard - Max 29 psi (2.0 bar) High - (72.1) Max 5.0 bar
IMPELLER ELASTOMER OPTION	3A Neoprene

FEATURES

- Self primes from dry up to 16.4 ft (5.0 m)
- Flows up to 137.4 GPM (520 LPM)
- Pressure up to 58 psi (4.0 bar)
- Handles soft solids - max. .71 in (18 mm) diameter
- Certified to US 3A Standard 02-10
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Fits IEC standard motor B3/B14, frame 90 (model 28620)
- Easy to service and maintain

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



30550 Series Sanitary Flexible Impeller Pumps



SPECIFICATIONS

PUMP TYPE	Pedestal Pump, Pump Head, Close Coupled
BODY	316 Stainless Steel
IMPELLER	Neoprene or EPDM
SHAFT SEAL	Mechanical, Carbon-on-Ceramic or Tungsten Carbide; Nitrile
PORTS	1" (25.4) ACME Threads with Bevel Seat or Clamp Type
SHAFT	316 Stainless Steel Pedestal
SHAFT	316 Stainless Steel Motor; Pump Head, Close Coupled
MOTOR	115 Vac, Single Phase, 60Hz, ¼ HP, 1750 RPM, TEFC, C-Face, 56C Frame
WEIGHT	5.5 lb (2.5 kg) Approx. Pedestal Pump
WEIGHT	7.5 lb (3.4 kg) Approx. Pump Head
WEIGHT	36.0 lb (16.3 kg) Approx. Close Coupled

FEATURES

- Certified to US 3A Standard 02-10
- Flow rate: Nominal 10.5 GPM (40 LPM) at 1750 rpm
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain

30570 Series Sanitary Flexible Impeller Pumps



SPECIFICATIONS

PUMP TYPE	Pedestal Pump, Pump Head, Close Coupled
BODY	316 Stainless Steel
IMPELLER	Neoprene or EPDM
SHAFT SEAL	Mechanical, Carbon-on-Ceramic or Tungsten Carbide; Nitrile
PORTS	1½" (38.1 mm) ACME Threads with Bevel Seat or Clamp Type
SHAFT	316 Stainless Steel
SHAFT	316 Stainless Steel Motor
MOTOR	230/460 Vac, 3 Phase, 60Hz, 5 HP, 1750 RPM, TEFC, C-Face, 184 TC Frame, non CE
WEIGHT	21.0 lb (9.5 kg) Approx. Pedestal
WEIGHT	30.0 lb (13.6 kg) Approx. Pump Head
WEIGHT	93.5 lb (42.5 kg) Approx. Close Coupled

FEATURES

- Certified to US 3A Standard 02-09
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain

30560 Series Sanitary Flexible Impeller Pumps



SPECIFICATIONS

PUMP TYPE	Pedestal Pump, Pump Head, Close Coupled
BODY	316 Stainless Steel
IMPELLER	Neoprene or EPDM
SHAFT SEAL	Mechanical, Carbon-on-Ceramic or Tungsten Carbide; Nitrile
PORTS	1" (25.4mm) ACME Threads with Bevel Seat or Clamp Type
SHAFT	316 Stainless Steel
SHAFT	316 Stainless Steel Motor
MOTOR	115/230 Vac, Single Phase, 60Hz, 1¼ HP, H145 TC Frame, C-Face, 1740 RPM, TEFC, Overload Protected, Capacitor Start, non CE.
WEIGHT	8.5 lb (3.9 kg) Approx. Pedestal
WEIGHT	12.0 lb (5.5 kg) Approx. Pump Head
WEIGHT	56.0 lb (25.4 kg) Approx. Close Coupled

FEATURES

- Certified to US 3A Standard 02-10
- Flow rate: Nominal 21.5 LPM (81 LPM) at 1750 rpm
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain

Stainless Steel Sanitary

Flexible Impeller Pumps 04



30580 Series Sanitary Flexible Impeller Pumps



SPECIFICATIONS

PUMP TYPE	Pedestal Pump
BODY	316 Stainless Steel
IMPELLER	Neoprene or EPDM
SHAFT SEAL	Mechanical, Carbon-on-Ceramic or Tungsten Carbide; Nitrile
PORTS	2" (50.8 mm) ACME Threads with Bevel Seat or Clamp Type
SHAFT	316 Stainless Steel
SHAFT	316 Stainless Steel Motor
MOTOR	230/460 Vac, 3 Phase, 60Hz, 5 HP, 1750 RPM, TEFC, C-Face, 184 TC Frame, non CE
WEIGHT	21.0 lb (9.5 kg) Approx. Pedestal
WEIGHT	30.0 lb (13.6 kg) Approx. Pump Head
WEIGHT	93.5 lb (42.5 kg) Approx. Close Coupled

FEATURES

- Certified to US 3A Standard 02-09
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Minimal shear to thixotropic fluids
- Easy to service and maintain



SPECIFICATIONS

PUMP TYPE	Pedestal Pump
BODY	316 Stainless Steel
IMPELLER	Neoprene or EPDM
SHAFT SEAL	Mechanical, Carbon-on-Ceramic or Tungsten Carbide; Nitrile
PORTS	2" (50.8 mm) ACME Threads with Bevel Seat or Clamp Type
SHAFT	316 Stainless Steel
WEIGHT	31.0 lb (14.1 kg) Approx.

FEATURES

- Certified to US 3A Standard 02-10
- Flow rate: Nominal 105 GPM (397 LPM) at 1750 rpm
- Clean-In-Place (CIP) or easy strip clean
- Handles viscosities up to 50,000 centiPoise
- Self-priming from dry up to 2.4m (7.8ft)
- Pressure up to 58 psi (4 bar)
- Handles soft solids - max. 18mm diameter

04 Flexible Impeller Pumps

STAINLESS STEEL SANITARY



22060 Bulkhead/Milk Tanker Pump



FOR INTERNATIONAL MARKETS



FEATURES

- Flow rate: Nominal 128 GPM (484 LPM) at 1450 rpm
- Self-priming from dry up to 2.4 m (7.8ft)
- Pressure up to 36.3 psi (2.5 bar)
- Handles soft solids - max. .7 in (18mm) diameter
- Certified to US 3A Standard 02-10
- Clean-In-Place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
22060-10-5205	Yes	N/A	Sanitary Neoprene	Flange Stainless

SPECIFICATIONS

BODY	316 Stainless steel
BEARING HOUSING	316 Stainless steel
IMPELLER	3A Food Grade Neoprene
SEAL	Carbon/Ceramic mechanical
SEAL ELASTOMER	Food grade Nitrile
BEARINGS	Twin single row, ball type
SHAFT	316 Stainless steel
	2 1/4" (63.5 mm) Tri-Clamp
	2 1/4" (63.5 mm) ID/FISS
	2 1/4" (63.5 mm) RJT to BS1864
	2 1/4" (63.5 mm) 3A Bevel Seat
	2.6 in (65mm) DIN 11851
	2 1/4" (63.5 mm) SMS 1145
WEIGHT	50 lb (23 kg)

23930 Bulkhead/Milk Tanker Pump



FOR INTERNATIONAL MARKETS



FEATURES

- Flow rate: Nominal 185 GPM (700 LPM) at 1750 rpm
- Self-priming from dry up to 2.4m (7.8ft)
- Pressure up to 21.7 psi (1.5 bar)
- Handles soft solids - max. .7 in (18mm) diameter
- Certified to US 3A Standard 02-10
- Clean-In-Place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
23930-5115	Yes	N/A	3A Neoprene	Flange Stainless

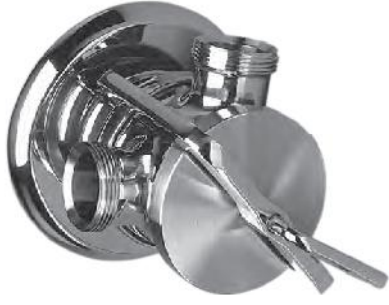
SPECIFICATIONS

BODY	316 Stainless steel
BEARING HOUSING	316 Stainless steel
IMPELLER	3A Food Grade Neoprene
SEAL	Carbon/Ceramic mechanical
SEAL ELASTOMER	Food Grade Nitrile
BEARINGS	Twin single row, ball/roller type
SHAFT	316 Stainless steel
	2 1/4" (63.5 mm) Tri-Clamp
	2 1/4" (63.5 mm) ID/FISS
	2 1/4" (63.5 mm) RJT to BS1864
	2 1/4" (63.5 mm) 3A Bevel Seat
	2.6 in (65mm) DIN 11851
	2 1/4" (63.5 mm) SMS 1145
WEIGHT	53 lb (24 kg)

15170 Bulkhead/Milk Tanker Pump



FOR INTERNATIONAL MARKETS



MODELS

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
15170-2365	Yes	N/A	Sanitary Neoprene	2" (50.8 mm) ACME Threads
15170-0015	Yes	N/A	Sanitary Neoprene	2" (50.8 mm) Clamp

SPECIFICATIONS

BODY	316 Stainless steel
BEARING HOUSING	316 Stainless steel
IMPELLER	3A Food Grade Neoprene
SEAL	Carbon/Ceramic mechanical type
SEAL ELASTOMER	Food grade Nitrile
BEARINGS	Twin single row, ball type
SHAFT	316 Stainless steel
PORT TYPE	2" (50.8 mm) ACME Threads or 2" (50.8 mm) Tri-Clamp
WEIGHT	3 1/4 lb 15.4 kg

FEATURES

- Flow rate: Up to 90 GPM (397 LPM)
- Self-priming from dry up to 2.4 m (7.8 ft)
- Pressure up to 21.7 psi (1.5 bar)
- Handles soft solids - max. .71 in (18 mm) diameter
- Certified to US 3A Standard 02-10
- Clean-In-Place (CIP) or easy strip clean
- Minimal shear to thixotropic fluids
- Easy to service and maintain

04 Flexible Impeller Pumps

MODEL VARIANTS



28250 SERIES EPOXY HEAD KIT & 28260 SERIES PEDESTAL PUMP

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	28250-2101	Yes	N/A	Neoprene	Pedestal
	28250-2103	Yes	N/A	Nitrile	Pedestal
	28250-2104	Yes	N/A	Viton	Pedestal
	28250-2201	Yes	N/A	Neoprene	Pedestal
	28250-2903	Yes	N/A	Neoprene	Pedestal
	28260-2101	Yes	N/A	Neoprene	Head Kit
	28260-2103	Yes	N/A	Nitrile	Head Kit
	28260-2104	Yes	N/A	Viton	Head Kit
	28260-2121	Yes	N/A	Neoprene	Head Kit
	28260-2201	Yes	N/A	Neoprene	Head Kit
	28260-2903	Yes	N/A	Nitrile	Head Kit

30510 SERIES EPOXY PLASTIC PEDESTAL & CLOSE-COUPLED FLEX PUMP

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	30510-1001	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30510-1003	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30510-1004	Yes	N/A	Viton	Plastic pump head Pedestal
	30510-1011	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30510-1013	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30510-1014	Yes	N/A	Viton	Plastic pump head Pedestal
	30510-1101	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30510-1103	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30510-1104	Yes	N/A	Viton	Plastic pump head Pedestal
	30510-1111	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30510-1113	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30510-1114	Yes	N/A	Viton	Plastic pump head Pedestal
	30510-5001	No	115 VAC	Neoprene	Plastic pump head MPU
	30510-5003	No	115 VAC	Nitrile	Plastic pump head MPU
	30510-5004	No	115 VAC	Viton	Plastic pump head MPU
	30510-3001	Yes	N/A	Neoprene	Plastic pump head
	30510-3003	Yes	N/A	Nitrile	Plastic pump head
	30510-3004	Yes	N/A	Viton	Plastic pump head
	30510-3101	Yes	N/A	Neoprene	Plastic pump head
	30510-3103	Yes	N/A	Nitrile	Plastic pump head
	30510-3104	Yes	N/A	Viton	Plastic pump head

30520 SERIES EPOXY PLASTIC PEDESTAL & CLOSE-COUPLED FLEX PUMP

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	30520-1001	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30520-1003	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30520-1004	Yes	N/A	Viton	Plastic pump head Pedestal
	30520-1011	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30520-1013	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30520-1014	Yes	N/A	Viton	Plastic pump head Pedestal
	30520-1101	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30520-1103	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30520-1104	Yes	N/A	Viton	Plastic pump head Pedestal
	30520-1111	Yes	N/A	Neoprene	Plastic pump head Pedestal
	30520-1113	Yes	N/A	Nitrile	Plastic pump head Pedestal
	30520-1114	Yes	N/A	Viton	Plastic pump head Pedestal
	30520-5001	No	115/230 VAC	Neoprene	Plastic pump head MPU
	30520-5103	No	115/230 VAC	Nitrile	Plastic pump head MPU
	30520-5104	No	115/230 VAC	Viton	Plastic pump head MPU
	30520-3001	Yes	N/A	Neoprene	Plastic pump head
	30520-3003	Yes	N/A	Nitrile	Plastic pump head
	30520-3004	Yes	N/A	Viton	Plastic pump head
	30520-3101	Yes	N/A	Neoprene	Plastic pump head
	30520-3103	Yes	N/A	Nitrile	Plastic pump head
	30520-3104	Yes	N/A	Viton	Plastic pump head

18610 BRONZE UTILITY PUMP

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	18610-0001	No	115 VAC	Neoprene	MPU ODP Motor
	18610-0003	No	115 VAC	Nitrile	MPU ODP Motor
	18610-0004	No	115 VAC	Viton	MPU ODP Motor
	18610-0271	No	115 VAC	Neoprene	MPU TEFC Motor
	18610-0273	No	115 VAC	Nitrile	MPU TEFC Motor
	18610-0274	No	115 VAC	Viton	MPU TEFC Motor

11810 BRONZE AC UTILITY PUMP

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	11810-0001	No	115 VAC	Neoprene	MPU ODP Motor
	11810-0011	No	115 VAC	Neoprene	MPU TEFC Motor
	11810-0003	No	115 VAC	Nitrile	MPU ODP Motor
	11810-0013	No	115 VAC	Nitrile	MPU TEFC Motor



28430 & 28440 SERIES

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	28430-2113	Yes	N/A	Nitrile	Pedestal
	28430-2115	Yes	N/A	Neoprene	Pedestal
	28430-2123	Yes	N/A	Nitrile	Pedestal
	28430-2124	Yes	N/A	Viton	Pedestal
	28430-2125	Yes	N/A	Sanitary Neoprene	Pedestal
	28430-2115	Yes	N/A	Neoprene	Pedestal
	28430-2115	Yes	N/A	Sanitary Neoprene	Pedestal
	28430-2115	Yes	N/A	Neoprene	Head Kit
	28440-2101	Yes	N/A	Neoprene	Head Kit
	28440-2112	Yes	N/A	EPDM	Head Kit
	28440-2113	Yes	N/A	Nitrile	Head Kit
	28440-2114	Yes	N/A	Viton	Head Kit
	28440-2115	Yes	N/A	Sanitary Neoprene	Head Kit
	28440-2915	Yes	N/A	Sanitary Neoprene	Head Kit

28530 & 28540 SERIES

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	28530-2115	Yes	N/A	Sanitary Neoprene	Pedestal
	28530-2125	Yes	N/A	Sanitary Neoprene	Pedestal
	28540-2101	Yes	N/A	Neoprene	Head Kit
	28540-2112	Yes	N/A	EPDM	Head Kit
	28540-2901	Yes	N/A	Neoprene	Head Kit

28230 SERIES & 28240 SERIES

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	28230-2101	Yes	N/A	Neoprene	Pedestal
	28230-2103	Yes	N/A	Nitrile	Pedestal
	28230-2104	Yes	N/A	Viton	Pedestal
	28230-2121	Yes	N/A	Neoprene	Pedestal
	28230-2124	Yes	N/A	Viton	Pedestal
	28240-2101	Yes	N/A	Neoprene	SS Pump Head
	28240-2102	Yes	N/A	3A EPDM	SS Pump Head
	28240-2103	Yes	N/A	Nitrile	SS Pump Head
	28240-2104	Yes	N/A	Viton	SS Pump Head
	28240-2121	Yes	N/A	Neoprene	SS Pump Head
	28240-2122	Yes	N/A	3A EPDM	SS Pump Head
	28240-2124	Yes	N/A	Viton	SS Pump Head
	28240-2703	Yes	N/A	Nitrile	SS Pump Head

28330 & 28340 SERIES

MODELS	MODEL #5	CE	VOLTAGE	IMPELLER	STYLE
	28330-2101	Yes	N/A	Neoprene	Pedestal
	28330-2102	Yes	N/A	3A EPDM	Pedestal
	28330-2103	Yes	N/A	Nitrile	Pedestal
	28330-2104	Yes	N/A	Viton	Pedestal
	28330-2121	Yes	N/A	Neoprene	Pedestal
	28330-2122	Yes	N/A	3A EPDM	Pedestal
	28330-2124	Yes	N/A	Viton	Pedestal
	28330-2201	Yes	N/A	Neoprene	Pedestal
	28340-2101	Yes	N/A	Neoprene	SS Pump Head
	28340-2102	Yes	N/A	3A EPDM	SS Pump Head
	28340-2103	Yes	N/A	Nitrile	SS Pump Head
	28340-2104	Yes	N/A	Viton	SS Pump Head

04 Flexible Impeller Pumps

MODEL VARIANTS



2760 BRONZE PEDESTAL PUMP

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
2760-0001	Yes	N/A	Neoprene	Pedestal
2760-0003	Yes	N/A	Nitrile	Pedestal

2620 BRONZE PEDESTAL PUMP

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
2620-1101	Yes	N/A	Neoprene	Pedestal
2620-1103	Yes	N/A	Nitrile	Pedestal

1673 BRONZE PEDESTAL FLEXIBLE IMPELLER PUMP

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
1673-1001	Yes	N/A	Neoprene	Pedestal
1673-1003	Yes	N/A	Nitrile	Pedestal

777 BRONZE PEDESTAL FLEXIBLE IMPELLER PUMP

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
777-0001	Yes	N/A	Neoprene	Pedestal
777-0003	Yes	N/A	Nitrile	Pedestal
777-9001	Yes	N/A	Neoprene	Pedestal
777-9003	Yes	N/A	Nitrile	Pedestal
777-9051	Yes	N/A	Neoprene	Pedestal

6400 BRONZE PEDESTAL PUMP

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
6400-0004	Yes	N/A	Neoprene	Pedestal
6400-0008	Yes	N/A	Natural Rubber	Pedestal
6400-0051	Yes	N/A	Neoprene	Pedestal

18370 BRONZE PEDESTAL PUMP & 52270 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
18370-0001	Yes	N/A	Neoprene	Pedestal
18370-0003	Yes	N/A	Nitrile	Pedestal
52270-2011	Yes	N/A	Neoprene	Pedestal
52270-2003	Yes	N/A	Nitrile	Pedestal
52270-0011	Yes	N/A	Neoprene	Pedestal
52270-0003	Yes	N/A	Nitrile	Pedestal

51510 & 51520 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
51510-2001	Yes	N/A	Neoprene	Pedestal
51510-9001	Yes	N/A	Neoprene	Pedestal
51520-2001	Yes	N/A	Neoprene	Pedestal
51520-9001	Yes	N/A	Neoprene	Pedestal

52040 & 52580 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
52040-2001	Yes	N/A	Neoprene	Pedestal
52040-9003	Yes	N/A	Neoprene	Pedestal
52040-2021	Yes	N/A	Neoprene	Pedestal
52580-2001	Yes	N/A	Neoprene	Pedestal
52580-2003	Yes	N/A	Nitrile	Pedestal
52580-2021	Yes	N/A	Neoprene	Pedestal
52580-9001	Yes	N/A	Neoprene	Pedestal
52580-9003	Yes	N/A	Nitrile	Pedestal
52580-9021	Yes	N/A	Neoprene	Pedestal

52200 & 52220 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
52200-2011	Yes	N/A	Neoprene	Pedestal
52200-2003	Yes	N/A	Nitrile	Pedestal
52200-2021	Yes	N/A	Neoprene	Pedestal
52220-2011	Yes	N/A	Neoprene	Pedestal
52220-2003	Yes	N/A	Nitrile	Pedestal
52220-2021	Yes	N/A	Neoprene	Pedestal

11860 & 11870 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
11860-0005	Yes	12 VDC	Neoprene	Pedestal
11860-0006	Yes	24 VDC	Neoprene	Pedestal
11860-0045	Yes	12 VDC	Neoprene	Pedestal
11860-0051	Yes	24 VDC	Neoprene	Pedestal
11870-0005	Yes	12 VDC	Neoprene	Pedestal
11870-0006	Yes	24 VDC	Neoprene	Pedestal
11870-0045	Yes	12 VDC	Neoprene	Pedestal
11870-0046	Yes	24 VDC	Neoprene	Pedestal



28200 SERIES STAINLESS STEEL PEDESTAL PUMP

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
28200-1105	Yes	N/A	Sanitary Neoprene	Pedestal
28200-1102	Yes	N/A	EPDM	Pedestal
28200-1125	Yes	N/A	Sanitary Neoprene	Pedestal
28200-1725	Yes	N/A	Sanitary Neoprene	Pedestal
28200-1902	Yes	N/A	EPDM	Pedestal
28200-1905	Yes	N/A	Sanitary Neoprene	Pedestal
28200-1925	Yes	N/A	Sanitary Neoprene	Pedestal
28200-3105	Yes	N/A	Sanitary Neoprene	Pedestal
28200-3125	Yes	N/A	Sanitary Neoprene	Pedestal
28200-4102	Yes	N/A	EPDM	Pedestal
28200-4105	Yes	N/A	Sanitary Neoprene	Pedestal
28200-4125	Yes	N/A	Sanitary Neoprene	Pedestal
28200-4205	Yes	N/A	Sanitary Neoprene	Pedestal
28200-4405	Yes	N/A	Sanitary Neoprene	Pedestal
28200-5105	Yes	N/A	Sanitary Neoprene	Pedestal
28200-6104	Yes	N/A	Viton	Pedestal
28200-6105	Yes	N/A	Sanitary Neoprene	Pedestal
28200-6125	Yes	N/A	Sanitary Neoprene	Pedestal
28200-6205	Yes	N/A	Sanitary Neoprene	Pedestal
28200-6225	Yes	N/A	Sanitary Neoprene	Pedestal
28200-6705	Yes	N/A	Sanitary Neoprene	Pedestal
28200-7025	Yes	N/A	Sanitary Neoprene	Pedestal
28200-7102	Yes	N/A	EPDM	Pedestal
28200-7104	Yes	N/A	Viton	Pedestal
28200-7105	Yes	N/A	Sanitary Neoprene	Pedestal
28200-7125	Yes	N/A	Sanitary Neoprene	Pedestal
28200-7725	Yes	N/A	Sanitary Neoprene	Pedestal

50580 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
50580-2001	Yes	12 VDC	Nitrile	Clutch
50580-2101	Yes	24 VDC	Nitrile	Clutch
50580-2201	Yes	12 VDC	Nitrile	Clutch
50580-2301	Yes	24 VDC	Nitrile	Clutch
50580-9001	Yes	12 VDC	Nitrile	Clutch
50580-9101	Yes	24 VDC	Nitrile	Clutch
50580-9201	Yes	12 VDC	Nitrile	Clutch
50580-9301	Yes	24 VDC	Nitrile	Clutch

50000 & 50220 SERIES

MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
50200-2011	Yes	12 VDC	Nitrile	Clutch
50200-2111	Yes	24 VDC	Nitrile	Clutch
50200-2211	Yes	12 VDC	Nitrile	Clutch
50200-2311	Yes	24 VDC	Nitrile	Clutch
50220-0011	Yes	12 VDC	Nitrile	Clutch
50220-0111	Yes	24 VDC	Nitrile	Clutch
50220-0211	Yes	12 VDC	Nitrile	Clutch
50220-0311	Yes	24 VDC	Nitrile	Clutch

18330 & 50270 SERIES

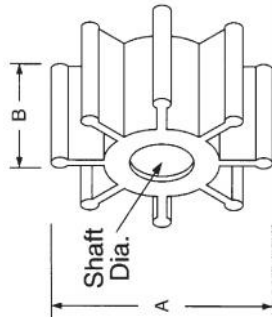
MODEL #S	CE	VOLTAGE	IMPELLER	STYLE
18330-0000	Yes	12 VDC	Nitrile	Clutch
18330-0001	Yes	24 VDC	Nitrile	Clutch
18330-0040	Yes	12 VDC	Nitrile	Clutch
18330-0041	Yes	24 VDC	Nitrile	Clutch
50270-0011	Yes	12 VDC	Nitrile	Clutch
50270-0311	Yes	24 VDC	Nitrile	Clutch
50270-0211	Yes	12 VDC	Nitrile	Clutch
50270-0031	Yes	24 VDC	Nitrile	Clutch
50270-2111	Yes	12 VDC	Nitrile	Clutch
50270-2211	Yes	24 VDC	Nitrile	Clutch
50270-2311	Yes	24 VDC	Nitrile	Clutch

04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



Flexible Impeller Compounds



- 1 SLOTTED SHAFT PIN DRIVE
- 2 THROUGH HOLE PIN DRIVE
- 3 KEY DRIVE
- 4 SINGLE FLAT DRIVE
- 5 DOUBLE FLAT DRIVE
- 6 CIRCULAR KEYWAY
- 7 SLIDE DRIVE
- 8 RIBBED SECURANT KEY

- JABSCO flexible impellers are available in the following materials:
1. NEOPRENE is the standard impeller material used in most flexible impeller pumps. It offers a wide range of chemical resistant properties. Temperature range: refer to page 117.
 2. NITRILE impellers offer compatibility with oil products; it handles a wide range of oils, oil and water emulsions, diesel fuel, lower fraction hydrocarbons, kerosene, lubricating and machine cutting oil. Lower temperatures affect priming ability and performance characteristics. Generally, nitrile performance is 10% below that of neoprene. Temperature range: 50°F (10°C) to 180°F (82.2°C).
 3. VITON impellers are recommended when pumping hydrocarbons, solvents and severely corrosive chemicals. Viton is not recommended for low temperature or high pressure applications. Temperature range: 60°F (15.6°C) to 180°F (82.2°C).

4. SANITARY NEOPRENE impellers are used in hygienic flexible impeller pumps for applications pumping food, beverage and pharmaceutical products. Temperature range: 45°F (7.2°C) to 165°F (73.9°C).
5. NATURAL RUBBER impellers are used in cold water applications. Temperature range: 22°F (-5.6°C) to 120°F (48.9°C).
6. SANITARY EPDM impellers are used for elevated temperature hygienic applications to 185°F (85°C). EPDM is compatible with some ketone solvents. Temperature range: 60°F (15.6°C) to 185°F (85°C).

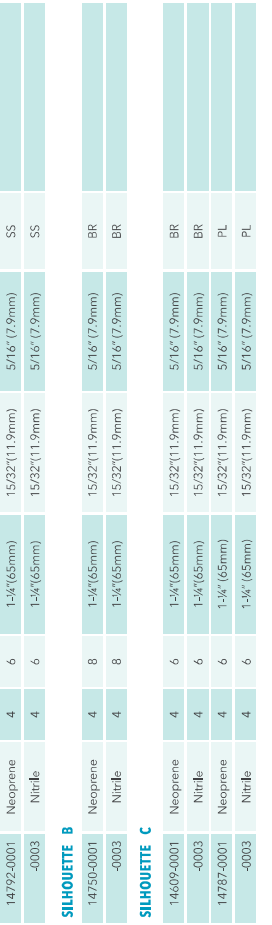
Flexible Impeller Cross-Reference

IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	
4527-0001	G	6760-0003	O	8989-0005	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE
-0003	G	7273-0001	G	8981-0002	-0004	M	17370-0001	Q
4528-0001	D	-0003	G	-0005	14346-0002	Q	17486-0001	H
-0003	D	-0004	G	8983-0002	-0003	Q	17935-0001	Q
4568-0001	K	7614-0002	K	-0004	-0004	Q	17936-0001	Q
-0003	K	-0005	K	-0004	17937-0001	Y	17937-0001	Y
4598-0001	M	8500-0005	AA	14609-0001	-0005	Q	17956-0001	Y
-0003	K	8600-0002	V	-0003	18018-0001	O	18018-0001	O
5606-0001	G	-0003	V	8984-0005	8673-0001	I	18673-0001	I
-0003	G	-0005	V	9200-0001	-0003	B	-0003	I
-0004	G	8713-0005	U	-0003	14759-0001	B	18786-0001	R
5616-0001	G	8840-0002	N	-0021	14787-0001	C	-0003	R
5915-0001	N	-0004	N	-0003	-0003	C	18815-0001	L
5929-0001	K	-0005	N	11979-0001	14792-0001	A	18838-0001	W
-0003	K	-0006	N	12104-0001	-0003	A	18948-0001	X
6056-0003	M	8963-0002	S	12326-0001	14868-0001	M	21899-0005	U
6174-0001	K	-0005	S	14281-0001	14874-0001	I	22120-0001	K
-0003	K	8980-0002	L	-0003	-0003	I		
6303-0001	H	-0003	L	-0004	17255-0003	D		
-0003	H	-0004	L	14282-0001	17273-0004	I		

04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE

Flexible Impeller Compounds



- JABSCO flexible impellers are available in the following materials:
1. NEOPRENE is the standard impeller material used in most flexible impeller pumps. It offers a wide range of chemical resistant properties. Temperature range: refer to page 117.
 2. NITRILE impellers offer compatibility with oil products; it handles a wide range of oils, oil and water emulsions, diesel fuel, lower fraction hydrocarbons, kerosene, lubricating and machine cutting oil. Lower temperatures affect priming ability and performance characteristics. Generally, nitrile performance is 10% below that of neoprene. Temperature range: 50°F (10°C) to 180°F (82.2°C).
 3. VITON impellers are recommended when pumping hydrocarbons, solvents and severely corrosive chemicals. Viton is not recommended for low temperature or high pressure applications. Temperature range: 60°F (15.6°C) to 180°F (82.2°C).

4. SANITARY NEOPRENE impellers are used in hygienic flexible impeller pumps for applications pumping food, beverage and pharmaceutical products. Temperature range: 45°F (7.2°C) to 165°F (73.9°C).
5. NATURAL RUBBER impellers are used in cold water applications. Temperature range: 22°F (-5.6°C) to 120°F (48.9°C).
6. SANITARY EPDM impellers are used for elevated temperature hygienic applications to 185°F (85°C). EPDM is compatible with some ketone solvents. Temperature range: 60°F (15.6°C) to 185°F (85°C).

Flexible Impeller Cross-Reference

IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE	
4527-0001	G	6760-0003	O	8989-0005	IMPELLER #S	SILHOUETTE	IMPELLER #S	SILHOUETTE
-0003	G	7273-0001	G	8981-0002	-0004	M	17370-0001	Q
4528-0001	D	-0003	G	-0005	14346-0002	Q	17486-0001	H
-0003	D	-0004	G	8983-0002	-0003	Q	17935-0001	Q
4568-0001	K	7614-0002	K	-0004	-0004	Q	17936-0001	Q
-0003	K	-0005	K	-0004	17937-0001	Y	17937-0001	Y
4598-0001	M	8500-0005	AA	14609-0001	-0005	Q	17956-0001	Y
-0003	K	8600-0002	V	-0003	18018-0001	O	18018-0001	O
5606-0001	G	-0003	V	8984-0005	8673-0001	I	18673-0001	I
-0003	G	-0005	V	9200-0001	-0003	B	-0003	I
-0004	G	8713-0005	U	-0003	14759-0001	B	18786-0001	R
5616-0001	G	8840-0002	N	-0021	14787-0001	C	-0003	R
5915-0001	N	-0004	N	-0003	-0003	C	18815-0001	L
5929-0001	K	-0005	N	11979-0001	14792-0001	A	18838-0001	W
-0003	K	-0006	N	12104-0001	-0003	A	18948-0001	X
6056-0003	M	8963-0002	S	12326-0001	14868-0001	M	21899-0005	U
6174-0001	K	-0005	S	14281-0001	14874-0001	I	22120-0001	K
-0003	K	8980-0002	L	-0003	-0003	I		
6303-0001	H	-0003	L	-0004	17255-0003	D		
-0003	H	-0004	L	14282-0001	17273-0004	I		

IMPELLER MATERIALS: BR = Bronze • SS = Stainless Steel • PL = Epoxy Plastic

04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE



IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE I								
14874-0001	Neoprene	5	10	2" (50.8 mm)	7/8" (22.2 mm)	5/8" (15.8 mm)	PL	
-0003	Nitrile	5	10	2" (50.8 mm)	7/8" (22.2 mm)	5/8" (15.8 mm)	PL	
-0004	Viton	5	10	2" (50.8 mm)	7/8" (22.2 mm)	5/8" (15.8 mm)	PL	
17273-0004	Viton	4	10	2" (50.8 mm)	7/8" (22.2 mm)	5/16" (12.7 mm)	PL	
18673-0001	Neoprene	1 or 2	10	2" (50.8 mm)	7/8" (22.2 mm)	5/8" (15.8 mm)	PL	Replaces 673-0001
-0003	Nitrile	1 or 2	10	2" (50.8 mm)	7/8" (22.2 mm)	5/8" (15.8 mm)	PL	Replaces 673-0001
SILHOUETTE K								
1210-0001	Neoprene	7	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	
-0003	Nitrile	7	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	
4568-0001	Neoprene	3	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	
-0003	Nitrile	3	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	
5929-0001	Neoprene	6	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	SS Drive Cup
-0003	Nitrile	6	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	SS Drive Cup
6174-0001	Nitrile	6	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	SS	SS Drive Cup
-0003	Nitrile	6	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	SS	SS Drive Cup
7614-0002	EPDM	5	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	Sanitary
-0005	Neoprene	5	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	Sanitary
14281-0001	Neoprene	5	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
0003	Nitrile	5	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
-0004	Viton	5	12	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
22120-0001	Neoprene	7	12	2-1/4" (57.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	
SILHOUETTE L								
3085-0001	Neoprene	7	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	
8980-0001	Neoprene	5	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
-0002	EPDM	5	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	Sanitary
-0003	Nitrile	5	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
0004	Viton	5	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
-0005	Neoprene	5	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	PL	
18815-0001	Neoprene	6	10	2-1/4" (57.1 mm)	1-1/4" (31.7 mm)	5/8" (15.8 mm)	BR	SS Drive Cup
SILHOUETTE M								
920-0001	Neoprene	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	
-0003	Nitrile	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	
-0008	Natural Rubber	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	For Low Temp. to 27° F (-2.8°C) Max. 120° F (48.9°C)
964-0001	Neoprene	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	
-0003	Nitrile	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	
4598-0001	Neoprene	3	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	
-0003	Nitrile	3	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	
6056-0003	Nitrile	6	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	BR	SS Drive Cup
8981-0002	EPDM	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	Sanitary
-0005	Neoprene	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	Sanitary
11979-0001	Neoprene	7	8	2-9/16" (65.1 mm)	1-7/16" (36.5 mm)	5/8" (15.8 mm)	BR	
12326-0001	Neoprene	6	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	SS	SS Drive Cup
-0003	Nitrile	6	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	SS	SS Drive Cup
14282-0001	Neoprene	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	
-0003	Nitrile	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	
-0004	Viton	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8 mm)	PL	

IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE N								
5915-0001	Neoprene	7	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9 mm)	BR	
8840-0002	EPDM	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9 mm)	PL	Sanitary
-0003	Nitrile	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9 mm)	PL	
-0004	Viton	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9 mm)	PL	
-0005	Neoprene	5	8	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.9 mm)	PL	Sanitary
SILHOUETTE O								
331-0001	Neoprene	7	9	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	
836-0001	Neoprene	7	9	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	BR	
-0003	Nitrile	7	9	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	BR	
-0008	Natural Rubber	7	9	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	BR	
6760-0003	Nitrile	7	9	3-1/4" (95.2 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	BR	
18018-0001	Neoprene	7	9	3-1/4" (95.2 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	SS	SS Inserted 331-0001
SILHOUETTE P								
8983-0003	Nitrile	5	10	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	
-0004	Viton	5	10	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	
-0005	Neoprene	5	10	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	Sanitary
SILHOUETTE Q								
14346-0002	EPDM	5	12	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	Sanitary
-0003	Nitrile	5	12	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	
-0004	Viton	5	12	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	
-0005	Neoprene	5	12	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	PL	Sanitary
17370-0001	Neoprene	5	12	3-1/4" (95.2 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	
17935-0001	Neoprene	7	12	3-1/4" (95.2 mm)	2-1/4" (63.5 mm)	1" (25.4 mm)	BR	
17984-0001	Neoprene	7	12	3-1/4" (95.2 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	BR	
SILHOUETTE R								
8984-0005	Neoprene	5	9	4-5/8" (117.5 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	Sanitary
18786-0001	Neoprene	5	9	4-5/8" (117.5 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	
-0003	Nitrile	5	9	4-5/8" (117.5 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	
-0004	Viton	5	9	4-5/8" (117.5 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	
SILHOUETTE S								
8963-0002	EPDM	5	9	4-5/8" (117.5 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	Sanitary
-0005	Neoprene	5	9	4-5/8" (117.5 mm)	3-1/4" (88.6 mm)	1" (25.4 mm)	PL	Sanitary
SILHOUETTE U								
2999-0001	Neoprene	7	13	5" (127.0 mm)	4" (101.6 mm)	1-1/4" (38.1 mm)	BR	
21899-0005	Neoprene	5	13	5" (127.0 mm)	4" (101.6 mm)	1-1/4" (38.1 mm)	PL	Sanitary
8713-0005	Neoprene	5	13	5" (127.0 mm)	5-1/4" (133.3 mm)	1-1/4" (38.1 mm)	PL	Sanitary

INSERT MATERIALS: BR = Bronze • SS = Stainless Steel • PL = Epoxy Plastic

04 Flexible Impeller Pumps

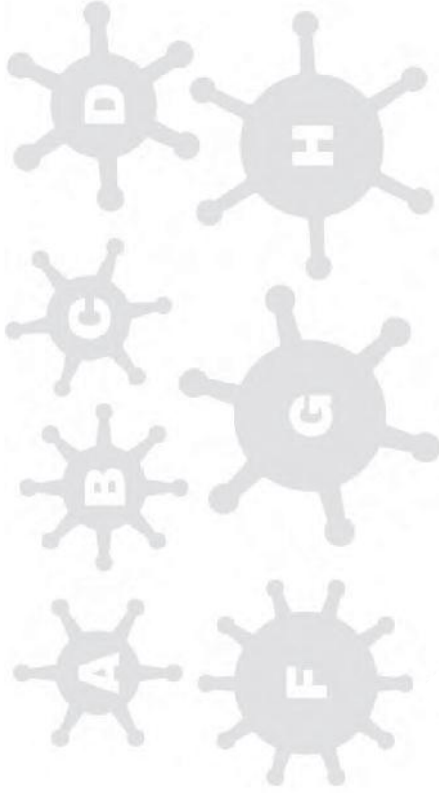
IMPELLER REPLACEMENT GUIDE



IMPELLER #	MATERIALS	DRIVE TYPE	# OF BLADES	DIMENSIONS		SHAFT DIA.	INSERT MATERIALS	REMARKS
				A	B			
SILHOUETTE V								
8600-0003	Nitrile	S	12	4-5/8" (117.5 mm)	3-3/4" (88.9mm)	1" (25.4mm)	PL	NEOPRENE
-0005	Neoprene	5	12	4-5/8" (117.5 mm)	3-3/4" (88.9mm)	1" (25.4mm)	PL	Sanitary
SILHOUETTE W								
18838-0001	Neoprene	3	12	2-7/16" (65.1 mm)	1-3/4" (31.7mm)	5/8" (15.8mm)	BR	
SILHOUETTE X								
18948-0001	Neoprene	3	12	2-9/16" (65.1 mm)	1-5/8" (41.3mm)	5/8" (15.8mm)	BR	
SILHOUETTE Y								
17937-0001	Neoprene	7	10	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	
17956-0001	Neoprene	6	10	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	BR	SS Drive Cup, Replaces 6056-0001
17981-0005	Neoprene	5	10	2-9/16" (65.1 mm)	2" (50.8 mm)	5/8" (15.8mm)	PL	Sanitary
SILHOUETTE AA								
8500-0005	Neoprene	5	12	5" (127.0 mm)	4" (101.6mm)	1-3/4" (38.1mm)	PL	Sanitary

INSERT MATERIALS: BR = Bronze • SS = Stainless Steel • PL = Epoxy/Plastic

Flexible Impeller Actual-size Reference



04 Flexible Impeller Pumps

IMPELLER REPLACEMENT GUIDE

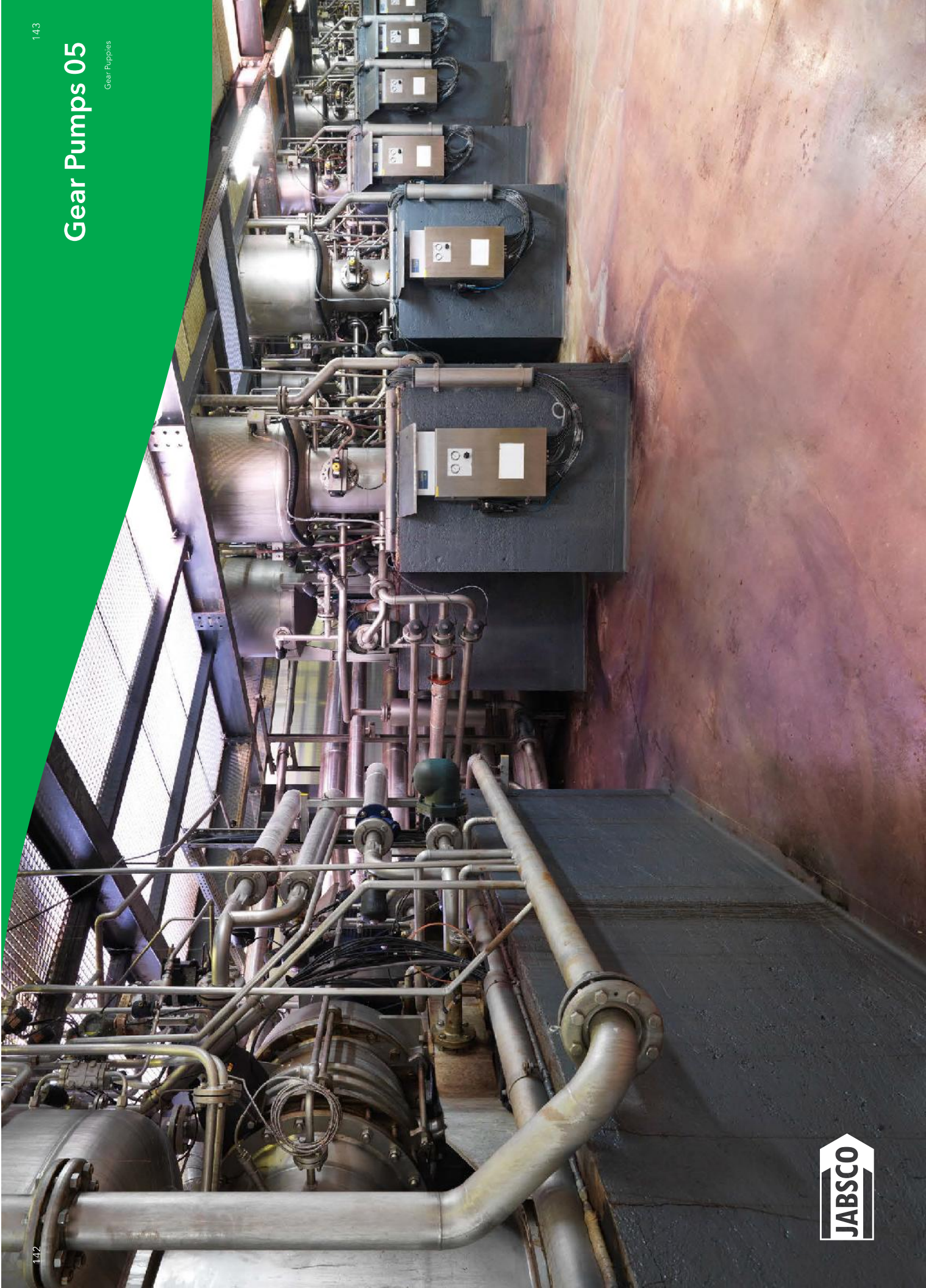


Flexible Impeller Actual-size Reference



Gear Pumps 05

Gear Pumps



05 Gear Pumps

GEAR PUPPIES



Junior Gear Puppy



FOR INDUSTRIAL MARKETS

Gear pumps are ideal for the transfer of hydraulic and light oils, water and Diesel fuel. They are 12 or 24VDC powered making them suitable in automotive, bus and truck applications.



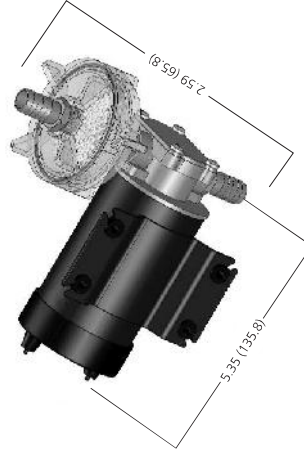
MODELS	CE	VOLTAGE
23220-2012	Yes	12Volts DC
23220-2024	Yes	24Volts DC

FEATURES

- Medium duty pumps for general purpose use.
- Maximum viscosity 150 Cs
- Inlet filter included
- Simple design means fewer wearing parts
- 3.6GPM (13.6 lpm) @ 16.4ft (5m).
- Self priming to 3 ft (1.0m)
- Ideal for water, oil and diesel transfer

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



Gear Puppy



FOR INDUSTRIAL MARKETS



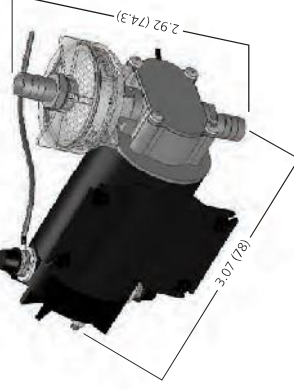
MODELS	CE	VOLTAGE
23230-2012	Yes	12Volts DC
23230-2024	Yes	24Volts DC

FEATURES

- Medium duty pumps for general purpose use.
- Maximum viscosity 150Cs
- Inlet filter Included.
- Simple design means fewer wearing parts.
- 6.9 gpm (26.1 lpm) @ 16.4ft (5m) head
- Ideal for water, oil and diesel transfer.
- Meets USCG 183.410

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



Hand Pumps 06

Portable Pumps
Manual Pumps



06 Hand Pumps

PORTABLE & MANUAL



Portable Pumps



FOR INDUSTRIAL MARKETS

Constructed of sturdy ABS plastic with comfort-grip handle providing smooth firm strokes. Available in 24" (610mm) with hose and 48" (1220mm) with hose.



MODELS

MODEL #S	CE	POWER	OPTIONS
165	Yes	8 GPM (30 LPM)	24" (610mm) hose
168	Yes	10 GPM (38 LPM)	48" (1219mm) hose

SPECIFICATIONS:

MODEL	CAPACITY GPH (LPH)	HOSE SIZE ID INCHES (MM)	SIZE
165	8 (30)	1-1/8" (29mm)	24" (610mm) With 2' (0.6m) of 1-1/8" (29mm) hose
168	10 (38)	1-1/8" (29mm)	36" (914mm) With 4' (1.2m) of 1-1/8" (29mm) hose



Amazon Warrior



FOR INDUSTRIAL MARKETS

FEATURES

- Robust, alloy body particularly suited for safety applications
- Double diaphragm design gives maximum efficiency and added safety, because each side of the pump operates independently

SPECIFICATIONS:

MODEL #	29280-0000
Body	Epoxy painted alloy
Elastomers	Nitrile
Port Type	38mm (1 1/2") Hose barb

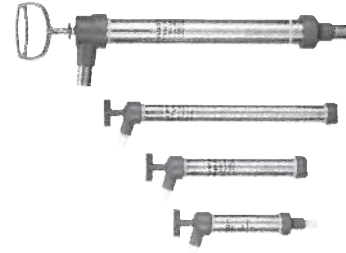


Manual Operated Hand Pumps



FOR INDUSTRIAL MARKETS

Ultimate heavy duty hand pump for utility and emergency uses. Made with long-life brass cylinders, high quality oil resistant plungers and impact absorbing end caps. Pumps never need coaxing and give full suction on the first stroke. Can be used in any position. Available in 5 sizes. Units are supplied with varying lengths of hose. Normal pumping capability is 30 strokes per minute.



SPECIFICATIONS:

MODEL #S	CE	WEIGHT LBS (KG)	CONNECTION SIZE INCHES (MM)	OVERALL LENGTH INCHES (MM)	CYLINDER DIAMETER INCHES (MM)	STROKES PER GALLON
34060-0010	Yes	1.0 (45)	.5" (12.7)	10.0" (254)	1.25" (31.75)	40
33799-0000	Yes	2.0 (90)	.5" (12.7)	12.0" (304.8)	1.25" (31.75)	26
33760-0000	Yes	2.5 (1.13)	.5" (12.7)	17.0" (431.8)	1.25" (31.75)	15
33745-0000	Yes	4.0 (1.81)	1" (25.4)	22.5" (571.5)	1.75" (44.45)	7

Rotary Lobe Pumps 07

Hygienic Pumps



07 Rotary Lobe Pumps

HYGIENIC PUMPS

Ultima/55 SERIES Ultra Hygienic Positive Displacement Pump



FOR ULTRA-HYGIENIC MARKETS

The ultimate hygienic rotary positive displacement pump designed without compromise to fulfill even the most critical customer demands in cleanliness, sterilize ability and bacterial tightness. This 316L stainless steel design uses bi-wing or 5-lobe rotor designs specifically utilized to achieve the very lowest shear rate and product degradation characteristics. The Ultima pump is an extension of Xylem Jabsco's world renowned 55 series pump, which was the first pump of its kind and a virtual industry standard in the Biopharm arena.



DESIGN FEATURES

ULTIMATE HYGIENIC STANDARDS

Tested and approved to the EHEDG (European Hygienic Equipment Design Group), CIP, SIP and Bacterial Tightness protocols. Full conformance to 3A Sanitary Standards 18403 and 02-10 and utilizing materials which meet the requirements of the FDA title 21, section 177.1550.

CLEANER BY DESIGN

External rotor retention together with gasket type joints in place of O-rings reduce the number of potential product entrapment areas. In addition to this, the shaft seals are pulled forward fully in the product zone, all of which adds up to the ultimate in cleanability every time!

LOW PRODUCT SHEARING

The bi-wing and 5-lobe rotor designs ensure high volumetric efficiency on low viscosity products, resulting in low shear rates and low product damage.

RUGGED DESIGN

This pump design utilizes extremely large shaft diameters mounted in high specification taper roller bearings. These give maximum shaft stiffness to ensure no galling, thus maintaining the pump's CIP and SIP capabilities.

OPTIONS

SEALS

Front loaded single mechanical face type seals of hygienic design. Materials include carbon and silicon carbide.

Low pressure flushed seals utilize the same single mechanical seal with an additional housing. A low pressure flush liquid washes away crystallizing products or liquids which 'skin over'.

Double mechanical seals utilizing all the components from single seals. Used for hazardous, toxic, highly abrasive or sterile products.

CERTIFICATION

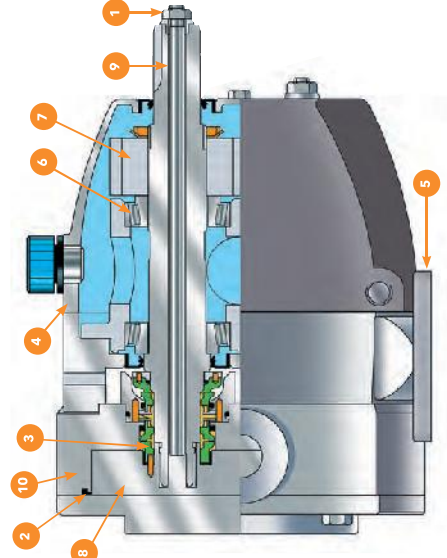
3-1B Material Certification package.

3A Variants with nitrile or EPDM elastomers and port options - tri-clamp, IDF, 3A, DIN11851



ULTIMA/55 SERIES ULTRA-HYGIENIC POSITIVE DISPLACEMENT PUMP

PUMP MODEL	55 SERIES				ULTIMA					
	55210	55320	55420		LU42	LU44	LU52	LU54	LU62	LU64
PORT SIZE (INCH)	1/2	3/4	1	1 or 1 1/2	1 or 1 1/2	1 1/2 or 2	1 1/2 or 2	2 or 3	2, 2 1/2 or 3	3 or 4
PORT SIZE (MM)	12.5	19	25	25 or 38	38 or 50	38 or 50	38 or 50	50 or 76	63 or 76	76 or 100
DISPLACEMENT (100 RVS)	0.26	0.77	1.77	3.25	5.39	7.00	12.02	16.90	25.10	25.10
DISPLACEMENT (US GAL)	1	2.9	6.7	12.3	20.4	26.5	45.5	64	95	95
MAX FLOW (PER MIN) (US GAL)	4.2	11.6	17.7	32.5	53.9	70.0	120.2	121.8	180.7	180.7
MAX FLOW (PER MIN) (LITER)	16	44	67	123	204	254	437	461	684	684
MAX PRESSURE (PSI)	203	290	290	217	116	217	116	217	217	116
MAX PRESSURE (BAR)	14	20	20	15	8	15	8	15	15	8
MAX SPEED (RPM)	1500	1500	1000	1000	1000	1000	1000	1000	720	720
SIZE LxBxH (INCH)	7.5x4.5 x5.25	10.5x5.75 x7.5	11.75x6.5 x7.5	10.75x8.75 x7.75	11.75x8.75 x7.75	15.25x9.75 x8.25	16.25x10.25 x8.25	18.25x13 x10	19.25x13 x10	19.25x13 x10
SIZE LxBxH (MM)	191x114 x135	264x145 x168	302x168 x191	285x223 x182	301x223 x182	386x249 x208	414x259 x213	463x328 x249	492x328 x254	492x328 x254
BAR SHAFT WEIGHT (LBS)	18	42	57	51	55	84	90	154	154	165
BAR SHAFT WEIGHT (KG)	8	19	26	23	25	38	41	70	70	75
TEMP (°C)	-30 to 140									
TEMP (°F)	-22 to 284									
VISCOSITY (CP)	1 to 1 million									



CONSTRUCTION DETAILS

1. External rotor retainers prevent build up of stagnant product, by removing the need for end cover recesses and O-ring crevices entirely.
2. Gasket type joints eliminate the uncertainty of O-rings in terms of cleanability.
3. Front mounted shaft seals allow for easy replacement and full accessibility of CIP liquids.
4. Rugged, stainless steel bearing pedestal and housing allow for maximum hygiene (epoxy coated cast iron with stainless steel option on 55 series).
5. Removable feet allow quick change for pump mounting in the ideal orientation.
6. High specification taper roller bearings give over one million hours life on a typical duty maintenance or replacement.
7. Precision cut gears yield high load capability and ease of interchangeability.
8. Fully interchangeable bi-wing rotors can be fitted without the need to re-time thus reducing downtime and allows pump to cope with a higher level of abuse and larger solids.
9. Heavy duty shafts for maximum rigidity and minimum galling due to low deflections.
10. Low carbon 316L pump head with welded ports for reduced carbide precipitation, increased corrosion resistance and minimal carbon 'pullout'.

07 Rotary Lobe Pumps

HYGIENIC PUMPS

Hy-Line Super Hygienic Positive Displacement Pump



FOR HYGIENIC MARKETS

Jabco's latest rotary positive displacement pump incorporates the very latest in hygienic design concepts in order to fulfill the ever increasing customer demands for improved cleanliness, hygiene and sterilize ability. This 316 Stainless Steel design uses a bi-wing rotor, which encompasses the very best features of tri-lobe rotor pumps and circumferential piston pumps. The pump is built upon Xylem Jabco's 40 year experience of producing and supplying their Flexible Impeller and 24 Series rotary lobe pumps to the world's most demanding markets.



DESIGN FEATURES

MOST STRINGENT HYGIENIC STANDARDS
Flush rotor fixing screws are sealed to prevent product ingress. Contoured rotor case internals for full drainability during SIP and shaft seals set up front where the pumping action is. Fully conforming to 3A 02-10 Hygienic Standards and utilizing materials which meet FDA requirements. Versions are available that have been tested and approved to the EHEDG (European Hygienic Equipment Design Group), CIP and SIP protocols and USDA 3A certification.

LOW MAINTENANCE COSTS

Front loaded single shaft seals are fully accessible from the front of the pump without disturbing the process pipework. Simple bearing assemblies easily pre-set using automotive technology. Bi-wing rotors require no timing adjustments. Even the pump casing is removable, a feature not normally associated with other bi-wing rotor pumps.

HIGH VOLUMETRIC EFFICIENCY

The bi-wing rotors incorporate the low viscosity efficiency associated with circumferential piston pumps with the viscous product handling capability of tri-quad and bi-lobe rotor pumps at an affordable price.

RUGGED DESIGN

Hy-Line design utilizes extremely large shaft diameters mounted in high specification taper roller bearings, fitted into an extremely rigid central roller made from a high grade alloy. This is all enclosed in an oil filled housing made from the same alloy. These, together with wide tipped rotor wings, which adds another dimension to security, avoid premature pump failure due to overpressure or other abuse.

OPTIONS

SEALS

Front loaded single mechanical face type seals of hygienic design. Materials include carbon, stainless steel and silicon carbide.

Low pressure flushed seals utilize the same single mechanical seal with an additional housing. A low pressure flush liquid washes away crystallizing products or liquids which skin over.

Double mechanical seals utilizing all the components from single seals. Used for hazardous, toxic, highly abrasive or sterile products.

Front loaded single O-Ring seals - a low cost seal option used primarily for self lubricating products and products which contain little or no abrasives.

Front loaded double O-Ring seals - suitable for pressurized grease or flushing with a suitable liquid to enable low cost sealing of high sugar confectionery and bakery products.

Multiple PTFE lip seal - complete with controlled release food grade grease injection system, the ideal sealing system for chocolate & other products sensitive to water flush.

CERTIFICATION

3-1B Material Certification package.

3A Variants with Nitrile or EPDM elastomers and port options - Tri-clamp, IDF, 3A, DINT11851

CONNECTIONS

All US and European standards including DIN, SMS, R, IT, IDF, Tri-Clamp & BSP. Most pumps available with 2 different sizes, all fully interchangeable. (Not on 3 & 7 size)

ELASTOMERS

Nitrile, Viton, EPDM and PTFE product contact joints available in compounds conforming to 3A Sanitary Standard 18-03 and FDA title 21 section 177.2600.

OTHER OPTIONS

- Pump Head temperature control jackets
- Integral pressure relief valve
- Enlarged suction port for viscous products
- All stainless steel bearing pedestal and cover
- Low Carbon 316L pump head
- Tanker pump version for direct hydraulic drive

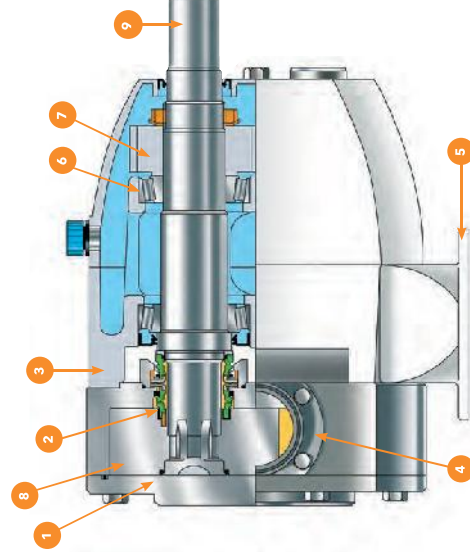


HY-LINE

PUMP MODEL	LH32	LH34	LH42	LH44	LH52	LH54	LH62	LH64	LH72	LH74	LH76
PORT SIZE (MM)	19 or 25	25 or 38	25 or 38	38 or 50	38 or 50	50 or 76	63 or 76	76 or 100	76 or 100	100 or 132	127 or 152
(INCH)	¾ or 1	1 or 1½	1 or 1½	1½ or 2	1½ or 2	2 or 3	2, 2½ or 3	3 or 4	3 or 4	4 or 6	5 or 6
DISPLACEMENT (LITRE) (100 REVS)	3.5	7	12.3	20.4	26.5	45.5	64	95	123	205	301.5
(US GAL)	0.92	1.85	3.25	5.39	7.00	12.02	16.90	25.10	32.50	54.15	79.65
MAX FLOW (PER MIN)	52	105	123	204	265	455	461	684	836	1230	1809
(US GAL)	13.7	27.7	32.5	53.9	70.0	120.2	121.8	180.7	220.8	324.9	477.9
MAX PRESSURE (BAR)	15	8	15	8	15	8	15	8	15	8	5
(PSI)	217	116	217	116	217	116	217	116	217	116	72
MAX SPEED (RPM)	1500	1000	1000	1000	1000	1000	720	720	480	600	600
SIZE LxBxH (MM)	213 x192 x166	274 x223 x166	274 x223 x196	390 x289 x196	396 x280 x208	414 x270 x213	460 x380 x311	464 x380 x311	686 x380 x363	576 x386 x363	573 x412 x363
(INCH)	8.25 x7.5 x6.5	10.75 x7.5 x6.5	10.75 x7.5 x7.75	11.5 x9.75 x7.75	15.25 x8.25 x8.25	16.25 x8.25 x8.25	18.25 x12.25 x12.25	18.25 x12.25 x12.25	19.25 x14.25 x14.25	20.75 x14.25 x14.25	22.5 x14.25 x14.25
BAR SHAFT WEIGHT (KG)	8	10	18	20	32	35	61	65	125	145	165
(LBS)	18	22	40	44	70	77	134	143	275	319	363
TEMP (°C)	-30 to 140										
(°F)	-22 to 284										
VISCOSITY (CP)	1 to 1 million										

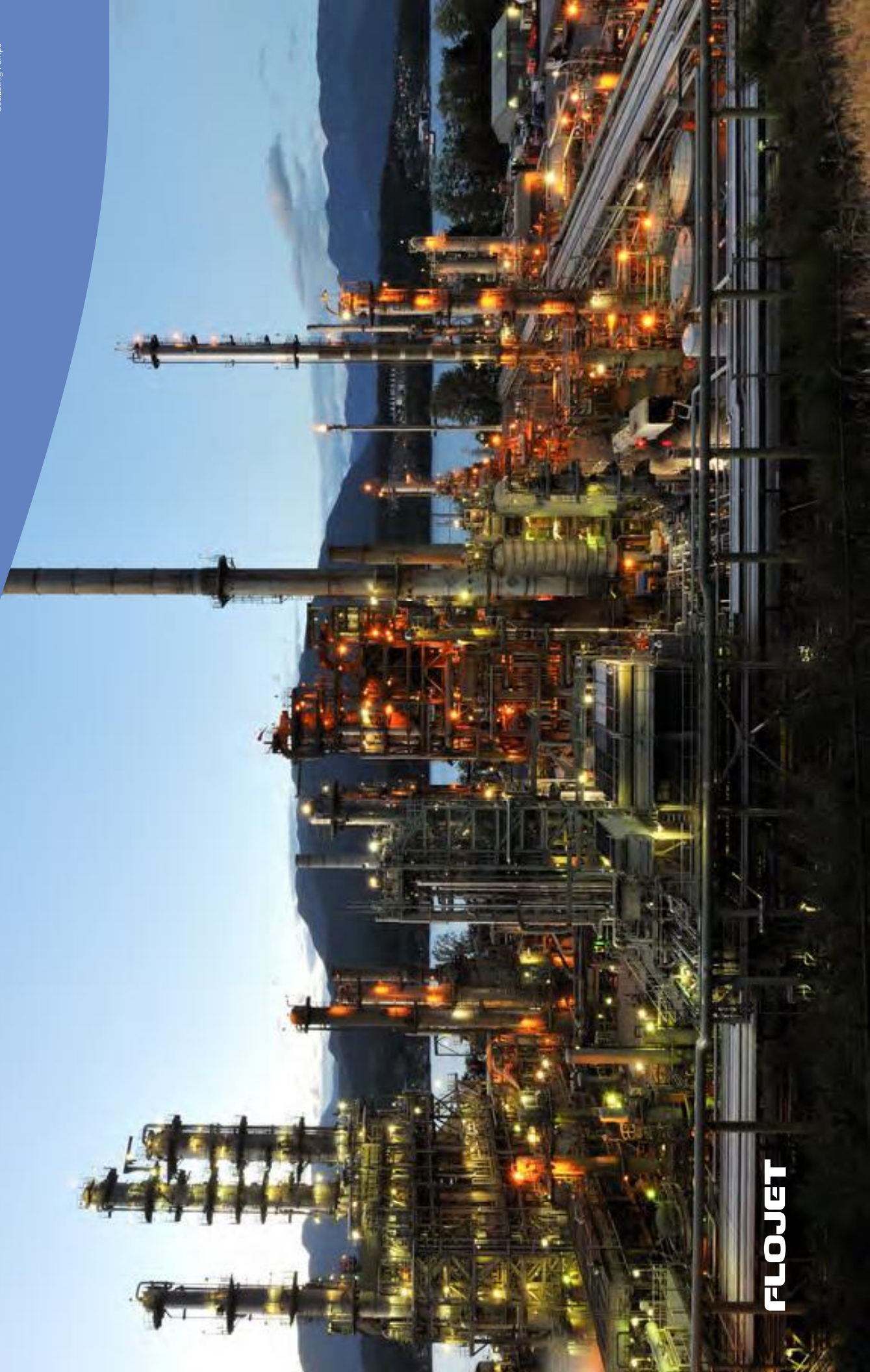
CONSTRUCTION DETAILS

1. Flush fitting, sealed rotor retaining screws avoid build up of stagnant product as no end cover recesses are required and no product can get into the rotor drive.
2. Front mounted shaft seals for easy replacement and full accessibility of CIP liquids.
3. Rugged, high grade alloy bearing pedestal and housing for low weight and high strength, completely encased in epoxy coating.
4. Detachable ports for maximum flexibility in connection type and size. (Not on 3 & 7 size).
5. Removable feet allow quick change for pump mounting in the ideal orientation. (Not on 3 & 7 size).
6. High specification taper roller bearings give over one million hours life on a typical duty.
7. Precision cur spur gears for high load capability and ease of maintenance.
8. Fully interchangeable bi-wing rotors can be fitted without the need to re-time thus reducing downtime and allows pump to cope with a higher level of abuse.
9. Heavy duty shafts for high pressure capability.



Oscillating Pumps 08

Oscillating Pumps



FLOJET

08 Oscillating Pumps

OSCILLATING PUMPS

OSCILLATING PUMPS



FOR COMMERCIAL & INDUSTRIAL MARKETS

Flojet oscillating pumps are designed for general consumer, commercial and industrial applications. All models are self-priming double insulated and built to draw low amps for cool operation and can run dry for extended periods of time without damage.



MODEL ET508 Series (HB)



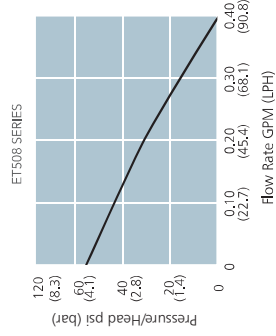
MODEL ET508 Series (FNPT)



MODEL ET200 Series

FLOJET

PERFORMANCE



MODELS

MODEL #S	CE	UL	VOLTAGE	CHECK VALVE INTL.	PORT TYPE
ET508-223	YES	NO	115VAC	EPDM	1/8" (3.2mm) FNPT
ET508-224	YES	NO	115VAC	VTON	1/8" (3.2mm) FNPT
ET508-244	YES	NO	230VAC	VTON	1/8" (3.2mm) FNPT

SPECIFICATIONS

TYPE OF PUMP	ET508-HB	ET508-FNPT	ET200
TEMPERATURE	Max. 160° F/71°C	Max. 160° F/71°C	Max. 176° F/80°C
OPEN FLOW RATE	.40 GPM/ 90 LPH	.40 GPM/ 90 LPH	3.8 GPM/ 240 cc/min.
LENGTH	5.54" (140.6mm)	4.53" (115.0mm)	2.75" (70mm)
WIDTH	2.25" (53.6mm)	2.25" (53.6mm)	.87" (22mm)
HEIGHT	2.11" (53.5mm)	2.11" (53.5mm)	1.55" (39.5mm)
MAXIMUM PRESSURE	55 PSI/3.8 Bar	55 PSI/3.8 Bar	20 PSI/1.4 Bar
SELF-PRIMING (UP TO)	6 (inHg)	6 (inHg)	1.3 (inHg)
STANDARD VOLTAGE	115V/60Hz and 230V/50Hz, other voltages available.		
POWER CONSUMPTION (NOMINAL)	46 Watts	46 Watts	18.5 Watts
INSULATION CLASS	F (155° C)	F (155° C)	H (180° C)
ELASTOMERS	EPDM and Viton		
PISTON AND SPRING	Stainless Steel for all models		
FILTERING	4/1000 Mesh		
APPROVALS	UL and CSA Recognized, CE Certified*		

* Approvals vary within the Product Line. Contact a Flojet Representative for specific model listings, recognitions and certifications.

Includes internal diode (except ET200 which requires an external diode).

Sliding Vane Pumps 09

Diesel Sliding Vane / Oil Transfer Pumps
High Pressure Low Flow Pumps



09 Sliding Vane Pumps

DIESEL SLIDING VANE / OIL TRANSFER PUMPS



DIESEL SLIDING VANE / OIL TRANSFER PUMPS



TF Retuelling Range



FOR INTERNATIONAL & US MARKETS

The TF range has been designed for use by OEM's that produce mobile and static pumped diesel tanks, and for end-users who are required to refuel their vehicles from a bulk store, often used in applications in truck depots, construction sites and the farming industry.



FEATURES

- Integral bypass valve to allow trigger nozzle operation
- B20 biodiesel compatibility as standard (60/min model)
- Plug and play wiring looms to suit different applications
- Full range of accessories to allow installation into a fixed tank
- Allows customization to suit customers' needs
- Backed by a worldwide support network
- Heritage of the JabSCO brand with over 30 years of supplying refuelling pumps into the construction industry

APPLICATIONS

- Fixed installation diesel tanks, mobile diesel refuelling fuel tanks

MODELS

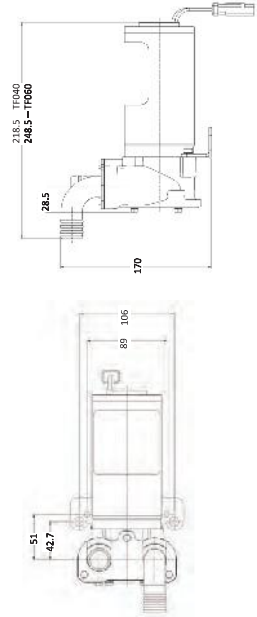
MODEL	FLOW	VOLTAGE	PORTS	POWER LEAD	ON/OFF SWITCH	B20 COMPATIBLE	RECOMMENDED FUSE
TF040-0012-1120	40	12	Straight Barb 19mm	1m Flying Leads	N	N	20A
TF040-0012-1130	40	12	Straight Barb 19mm	2.5m Croc Clip	N	N	20A
TF040-1012-1320	40	12	Barbed Elbow 25mm	1m Flying Leads	Y	N	20A
TF040-1012-1330	40	12	Barbed Elbow 25mm	2.5m Croc Clip	Y	N	20A
TF060-0024-1120	60	24	Barbed Elbow 25mm	1m Flying Leads	N	Y	25A
TF060-0024-1130	60	24	Barbed Elbow 25mm	2.5m Croc Clip	N	Y	25A
TF060-1024-1120	60	24	Barbed Elbow 25mm	1m Flying Leads	Y	Y	25A
TF060-1024-1130	60	24	Barbed Elbow 25mm	2.5m Croc Clip	Y	Y	25A

SPECIFICATIONS

PUMPED FLUIDS	Diesel fuel (B20 diesel fuel (TF060 only), Kerosene, Paraffin, hydraulic oils up to 150 centi-stokes viscosity)
TEMPERATURE LIMITS	-30 to +50 oC (-22 to + 122 oF)
SELF PRIMING (WET)	Minimum of 2.5m with strainer fitted
MAXIMUM HEAD	TF060, 10m max differential, TF040, 6m max differential
WEIGHT	5.0kgs
POWER SOURCE	12/24V Brushed DC motor
MATERIALS OF CONSTRUCTION (WETTED)	Cast Iron Body, Sintered Iron rotor, Brass or mild steel vanes, Nickel Plated mild Steel ports, Nitrile and Viton O-Rings

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



Fuel Master 40 & By-Pass 40



FOR INTERNATIONAL & US MARKETS

Flow rate: Nominal 9.3 gallons/min (35 Liters/min) at 1500rpm. Self-priming from dry up to 4.9ft (1.5m)



MODELS

FUEL MASTER 40		DESCRIPTIONS	
MODEL #S	CE	MODEL #S	DESCRIPTIONS
50140-0000	Yes	50140-0000	10.6 GPM (40 LPM) 12V DC diesel refuelling pump kit (inc hoses and leads)
50140-0100	Yes	50140-0100	10.6 GPM (40 LPM) 24V DC diesel refuelling pump kit (inc hoses and leads)
BY-PASS 40		DESCRIPTIONS	
MODEL #S	CE	MODEL #S	DESCRIPTIONS
50130-1000	Yes	50130-1000	10.6 GPM (40 LPM) 12V DC pump hose ports
50130-1100	Yes	50130-1100	10.6 GPM (40 LPM) 12V DC pump hose ports

SPECIFICATIONS

BODY	Aluminium
ROTOR	Vetra
VANES	PTFE filled Nylon
SEAL	Nitrile Lip Seal
VOLTAGE	12 or 24 Vdc

APPLICATIONS

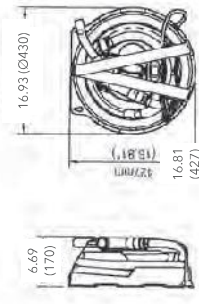
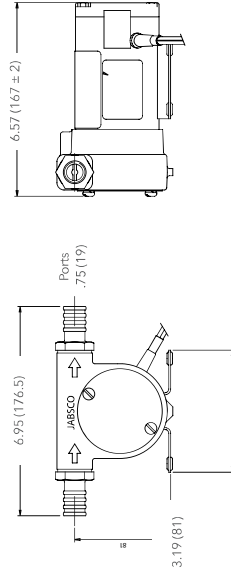
- Designed for refuelling large diesel powered vehicles (typical tank sizes 100 - 400 gallons (400 - 1500 litres)) from drums
- This pump can be used where high flow rates, heads and superior priming performance is required
- Suitable for mounting to the following equipment: excavators, cranes, road rollers (compactors), pavers, agricultural machines, generators, helicopters
- Suitable for diesel fuel, kerosene, paraffin, hydraulic oils.
- Oils up to 150 centi Stokes (750 Saybolt Universal) viscosity

FEATURES

- **By-Pass 40**
 - Includes integral bypass for use with a trigger nozzle
- **Fuelmaster 40**
 - Fully assembled diesel refuelling kit
 - Fits on a standard 40 gallon (205 liter) drum, or can be wall mounted
 - Kit includes pump, suction hose, discharge hose, strainer, trigger nozzle, battery leads & clips, and carrying frame
 - For rapid, efficient diesel fuel transfer
 - Safe and tidy storage when not in use

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



09 Sliding Vane Pumps

DIESEL SLIDING VANE / OIL TRANSFER PUMPS



Rotary Vane Pump



FOR INTERNATIONAL & US MARKETS

The JabSCO reversible rotary vane pump is ideal for transferring diesel fuel. It is self-priming to about three feet and can pump against a discharge head up to twenty feet. With its integral on-off reversing switch, it is ideal for moving fuel between port and starboard fuel tanks. Meets USCG 163.410 & ISO8846 Marine (Ignition Protection).



MODEL

MODEL #S	CE	DESCRIPTION
18680-0920	Yes	6.08 GPM (23 LPM) 12V DC pump 1/2" (12.7mm) NPT
18680-0940	Yes	6.08 GPM (23 LPM) 24V DC pump 1/2" (12.7mm) NPT
18680-1000	Yes	6.08 GPM (23 LPM) 12V DC pump 1/2" (12.7mm) NPT Reversible

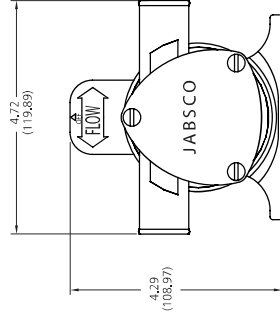
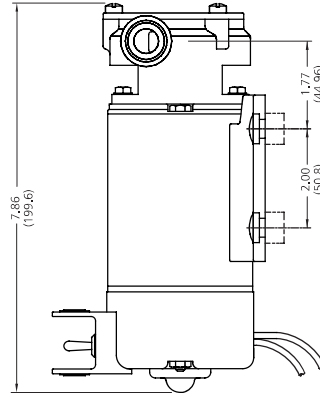
Note: 18680-1000 is reversible, the others are not.

SPECIFICATIONS

BODY	Bronze
ROTOR	Vectra
VANES	Ryton
SEAL	Lip Type, Nitrile
MOTOR	12V DC Permanent magnet Type, Intermittent Duty, Fully Enclosed, Stainless Steel Shaft
PORTS	1/2" (12.7mm) NPT Internal Pipe Threads, 1" (25mm) External Hose Barb
HEIGHT	3-3/8" (86mm)
LENGTH	8-5/8" (219mm)
WIDTH	4-3/4" (121mm)
WEIGHT	5-1/2 lbs (2.5 kg)

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



DIESEL SLIDING VANE / OIL TRANSFER PUMPS

Hydraulic Oil Transfer Pump



FOR INTERNATIONAL & US MARKETS



MODEL

MODEL #S	CE	DESCRIPTION
23590-2010	Yes	6.86 GPM (26 LPM) 12V DC pump
23590-2110	Yes	6.86 GPM (26 LPM) 24V DC pump

SPECIFICATIONS

BODY	Aluminium
ROTOR	Sintered Iron
VANES	PTFE Filled Nylon
SEAL	Nitrile Lip Seal
SHAFT	Stainless Steel
PORT TYPE	1/2" (12.7mm) BSP Note: 3/4" (19mm) hose minimum recommended size
VOLTAGE	12 or 24 Vdc
MOTOR	Permanent magnet, corrosion resistant IP44, protected
TEMPERATURE RANGE	-4 to +104°F (-20 to +40 °C) 30 mins @ +68°F (20°C) 7.3 psi (0.5 bar) differential pressure 15 mins @ +48°F (20°C) 14.5 psi (1.0 bar) differential pressure
DUTY	

APPLICATIONS

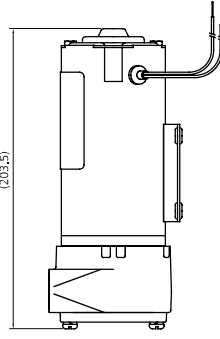
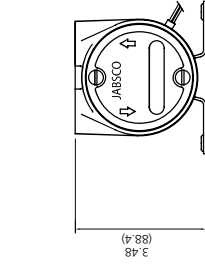
- General transfer duties
- Pumping of hydraulic systems on vehicles in construction and forestry industries

FEATURES

- Self priming up to 5.91 feet (1.8 meters)
- Maximum differential pressure 21.76 psi (1.5 bar)
- Maximum flow ~6.87 gpm (26 lpm) @ 7 psi (0.5 bar) differential pressure
- Suitable for hydraulic oil, etc up to 150 cSt
- Full range of installation accessories

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



09 Sliding Vane Pumps

DIESEL SLIDING VANE / OIL TRANSFER PUMPS



SLIDING VANE PUMP

FLOJET

100I Diesel Refuelling Pump



FOR INTERNATIONAL & US MARKETS

Flow rate: 28 gallons/min (105 liters/min) Self-priming from dry up to 7.8ft (2.4m)



MODELS	CE	DESCRIPTION
VR100-2120	Yes	26.4 gpm (100 lpm) 24V DC 1" (25.4 mm) BSP ports
VR100-2120V	Yes	26.4 gpm (100 lpm) 24V DC 1" (25.4 mm) BSP ports for Bio-Diesel
VR100-1120	Yes	26.4 gpm (100 lpm) 24V DC 1 1/4" (32mm) hose ports, 1 1/4" (32mm) hose ports, switch & circuit breaker
VR100-1122	Yes	26.4 gpm (100 lpm) 24V DC 1 1/4" (32mm) hose ports, auto shut off

SPECIFICATIONS

TEMPERATURE RANGE	-22°F to +122°F (-30°C to +50°C)
PUMP BODY	Cast Iron
ROTOR	Sintered Iron
VANES	Sintered Bronze
SHAFT	Stainless Steel
SEAL	Nitrile Lip Seal (Viton -2120V)
PORTS	Vertical 1" BSP or 1 1/4" (32mm) hose adaptors
MOTOR	24V DC permanent magnet, thermal overload & IP55 protected
DUTY	20 mins rated at 14.1 ft (4.3 m), total head of diesel fuel at 68°F (20°C)

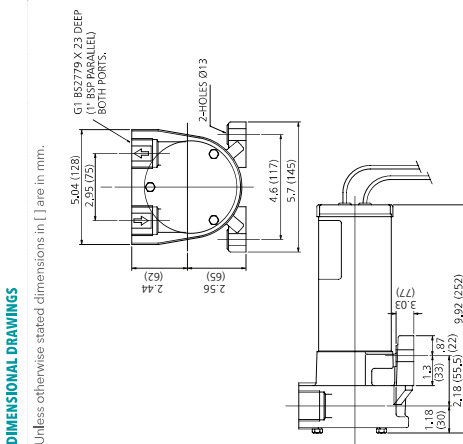
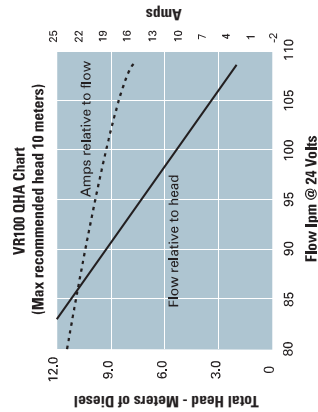
APPLICATIONS

- Designed for refuelling large diesel powered vehicles (typical tank sizes 100 -400 gallons (400 - 1500 liters)) from drums
- This pump can be used where high flow rates, heads and superior priming performance is required
- Suitable for mounting to the following equipment: excavators, cranes, road rollers (compactors), pavers, agricultural machines, generators, helicopters
- Suitable for diesel fuel, kerosene, paraffin, hydraulic oils, oils up to 150 centi Stokes (750 saybolt universal) viscosity

FEATURES

- Faster refuelling - 105 liters/minute (28GPM)
- High head capability - 10 metres (33 feet)
- Self priming up to 4 metres (12 feet)
- 45 min duty
- Thermal overload protected
- Vibration tested
- IP55 protected motor
- Full range of installation accessories
- Customized kits for OEM customers

PERFORMANCE



DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.

V-Jet Series

GENERAL INFORMATION

Flojet's extensive experience with the largest range of pump technologies offers the right solution for existing and future vane pump installations.

Coupling a novel plastic bodied pump head together with freshly engineered solutions for the main problems experienced with this type of pump will allow you to experience unrivalled reliability as well as lower lifetime expenditure. Our patented vane venting system replaces traditional technologies, allowing high pressure where needed but reducing wear when the supply feed is interrupted.

APPLICATIONS

- Car Wash, Coolant Recirculation Systems, Welding Cooling System, Reverse Osmosis, Desalination, Filtration, Chemical Spraying

SPECIAL FEATURES

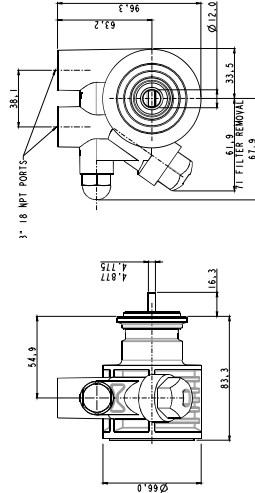
- Patented vane venting system
- High pressure capability
- Engineering plastic body allows reduction in SKUs
- Zero wetted brass content
- Adjustable bypass - high temperature if needed
- 50% of the weight of competitor pumps leading to reduced shipping costs
- Cost effective filter solution for recirculation scenarios
- Drop-in replacement for existing damp on rotary vane products

STANDARD MODEL NUMBERS

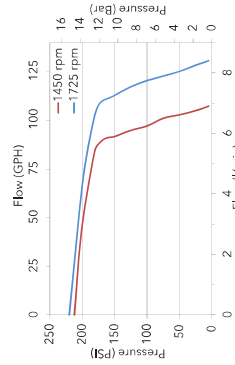
PART NUMBERS	GPH	ELASTOMERS
V125A-110011	125	EPDM
V125A-120011	125	Nitrile
V100A-110011	100	EPDM
V100A-120011	100	Nitrile
V080A-110011	80	EPDM
V080A-120011	80	Nitrile
V040A-110011	40	EPDM
V040A-120011	40	Nitrile

SPECIFICATIONS

PUMP DESIGN:	Low flow, high pressure positive displacement rotary vane pump head
POWER SOURCE:	Clamps on to 48VZ style motor (not supplied) recommended min. 250W (1/3 HP)
MATERIALS OF CONSTRUCTION	Carbon Graphite liner & vanes, Stainless Steel 303/316 metal, PPS (Glass Reinforced Polyethylene Sulphide) pump body, EPDM Elastomers, Carbon/Ceramic rotating seal, Acetyl Bypass valve
TEMPERATURE LIMITS:	1 - 85°C (34 - 185°F) high temperature model 150°C (302°F) available on request
WEIGHT:	0.6Kg (1.3 lbs)
SELF PRIMING (WET):	up to 2m (79")
MAX PRESSURE:	17 Bar (250 psi)
FLOW RATE*:	@ 1725 rpm - 7.2 l/min @ 10.3 Bar / 11.4 GPH @ 150 psi @ 1450 rpm - 5.9 l/min @ 10.3 Bar / 93.5 GPH @ 150 psi
WARRANTY:	1 year limited (non-wearing parts) for industrial applications
MOUNTING:	Clamp on - 0, 1P double flat
FILTER:	Built in, 100 mesh, removable for cleaning
BYPASS SETTING:	Built in, adjustable, pre-set to 11.7 Bar (170 psi).
BYPASS TEMPERATURE:	standard
APPROVALS:	CE - UL



* All dimensions in mm



Speciality Products 11

- Blowers
- Bottled Water Systems
- Appliance Controls
- Oil Changers



11 Speciality Products

BLOWERS

Flangemount Blower



FOR INTERNATIONAL & US MARKETS

Flangemount Blowers are generally mounted with discharge port fastened directly to a flat external surface to minimize required ducting. The inlet port can then be connected with duct hose to the area requiring ventilation. Standard models are rated for intermittent service, 15 minutes maximum. Commercial duty models are rated for continuous service.

- Race cars ventilation, race car driver helmet ventilation
- Blow up signs & mascots
- Bus ventilation (engine fumes, bathroom fumes)
- Tanning booths
- Prison van ventilation (cooling, air freshening)
- Building ventilation



MODEL SPECIFICATIONS

MODEL #S	CE	AIR FLOW		VOLTS	AMPS	FUSE SIZE	DIMENSIONS INCHES (MM)			LBS (KG)		
		CFM	CUCM/SEC				INLET IN. (MM)	OUTLET IN. (MM)	HEIGHT		WIDTH	LENGTH
34744-0000*	Yes	100	47,200	115VAC	0.7	0.8	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	7 (175)	5 (2.3)
35115-0020	Yes	105	49,600	12VDC	4.4	6	3 (76.2)	2.3 (4.70)	5.1 (2 (140)	4.3 (4 (121)	6.3 (4 (171)	4 (1.8)
34739-0010	Yes	150	70,800	12VDC	6.5	10	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	8 (203)	5 (2.3)
34739-0020	Yes	150	70,800	24VDC	3.3	5	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	8 (203)	5 (2.3)
34739-0031*	Yes	140	66,000	115VAC	1	1.3	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	8.3 (8 (213)	5 (2.3)
35400-0000	Yes	250	118,000	12VDC	10	15	4 (101.6)	3.5 (8 (91)	9 (229)	8.3 (4 (222)	8.3 (4 (222)	6 (2.7)
35400-0010	Yes	250	118,000	24VDC	5.3	7.5	4 (101.6)	3.5 (8 (91)	9 (229)	8.3 (4 (222)	8.3 (4 (222)	6 (2.7)
COMMERCIAL DUTY												
35760-0092	Yes	250	118,000	12VDC	11	15	4 (101.6)	3.5 (8 (91)	9 (229)	9.7 (8 (230)	8.3 (4 (222)	6 (2.7)
35760-0094	Yes	250	118,000	24VDC	6	10	4 (101.6)	3.5 (8 (91)	9 (229)	9.7 (8 (230)	8.3 (4 (222)	6 (2.7)
36760-0115*	Yes	250	118,000	115VAC	1.5	3	4 (101.6)	3.5 (8 (91)	9 (229)	9.7 (8 (230)	8.3 (4 (222)	9 (4.1)

Flexmount Blower



FOR INTERNATIONAL & US MARKETS

Flexmount blowers have both inlet and outlet ports designed for slip-on flexible duct connections. They are ideal when an in-line installation is preferred. The blower may be rotated in the mounting bracket to orient the discharge port in any direction. Standard duty blowers are rated for intermittent service, 15 minutes maximum. Commercial duty models are rated for continuous service.

- Race cars ventilation, race car driver helmet ventilation
- Blow up signs & mascots
- Bus ventilation (engine fumes, bathroom fumes)
- Tanning booths
- Prison van ventilation (cooling, air freshening)
- Building ventilation



MODEL SPECIFICATIONS

MODEL #S	CE	AIR FLOW		VOLTS	AMPS	FUSE SIZE	DIMENSIONS INCHES (MM)			LBS (KG)		
		CFM	CUCM/SEC				INLET IN. (MM)	OUTLET IN. (MM)	HEIGHT		WIDTH	LENGTH
34754-0000*	Yes	100	47,200	115VAC	0.7	0.8	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	7 (175)	5 (2.3)
35115-0010	Yes	105	49,600	12VDC	4.3	6	3 (76.2)	2.3 (4.70)	5.1 (2 (140)	4.3 (4 (121)	6.3 (4 (171)	4 (1.8)
36740-0010	Yes	150	70,800	12VDC	6.8	10	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	8 (203)	5 (2.3)
36740-0020	Yes	150	70,800	24VDC	3.3	5	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	8 (203)	5 (2.3)
36740-0031*	Yes	140	66,000	115VAC	1	1.3	3 (76.2)	2.3 (4.70)	7.5 (8 (193)	6.5 (8 (168)	8.3 (8 (213)	5 (2.3)
35400-0000	Yes	250	118,000	12VDC	10	15	4 (101.6)	3.5 (8 (91)	9 (229)	8.3 (4 (222)	8.3 (4 (222)	6 (2.7)
35400-0010	Yes	250	118,000	24VDC	5.3	7.5	4 (101.6)	3.5 (8 (91)	9 (229)	8.3 (4 (222)	8.3 (4 (222)	6 (2.7)
COMMERCIAL DUTY												
35770-0092	Yes	250	118,000	12VDC	11	15	4 (101.6)	3.5 (8 (91)	9 (229)	9.7 (8 (230)	8.3 (4 (222)	6 (2.7)
35770-0094	Yes	250	118,000	24VDC	6	10	4 (101.6)	3.5 (8 (91)	9 (229)	9.7 (8 (230)	8.3 (4 (222)	6 (2.7)
36770-0115*	Yes	250	118,000	115VAC	1.5	3	4 (101.6)	3.5 (8 (91)	9 (229)	9.7 (8 (230)	8.3 (4 (222)	9 (4.1)



Rule® In-Line Blowers



FOR INTERNATIONAL & US MARKETS

Designed for efficient, high output operation, these blowers feature our exclusive front and rear shaft seals and corrosion resistant motor housings for long life. Compact and easily installed on any flat surface, Rule® in-line blowers provide higher air flow, lower amp draw, and quieter operation than standard blowers.

APPLICATIONS

- Race cars ventilation, race car driver helmet ventilation
- Bus ventilation (engine fumes, bathroom fumes)
- Prison van ventilation (cooling, air freshening)
- Blow up signs & mascots
- Tanning booths
- Building ventilation

FEATURES

- Efficient high volume air flow
- Quiet operation
- Low amp draw
- Slip on inlet and outlet ducting connections
- Sealed motor shaft for moisture protection
- Corrosion resistant nickel plated motor housing
- IMV(ICE)
- USCG 183.410 Compliant: Ignition protected

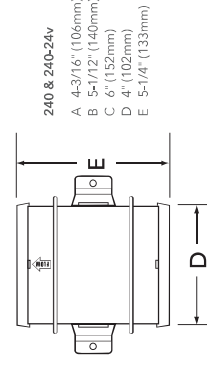
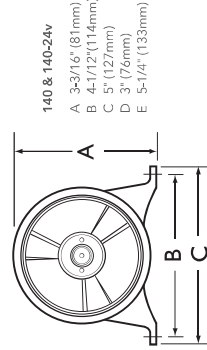


MODELS

MODEL #S	CE	DUCTING (INCHES/MM)	VOLTAGE	CFM@ OPEN FLOW	AMP DRAW	FUSE SIZE (AMPS)
140	Yes	3" (76mm)	13.6	135	2.9	4.0
140-24V	Yes	3" (76mm)	27.2	135	1.7	2.5
240	Yes	4" (102mm)	13.6	235	4.3	7.0
240-24V	Yes	4" (102mm)	27.2	235	2.4	4.0

DIMENSIONAL DRAWINGS

Unless otherwise stated dimensions in [] are in mm.



11 Speciality Products

BOTTLE WATER SYSTEMS

Bottled Water Solutions for Beverage Dispensing

There are many situations where portable potable water is needed for a variety of drink dispensers in locations where filtered water is not available. A good example is a portable coffee station. These are often moved into ideal locations for conferences, meetings, or other specific events, but those convenient locations often don't have plumbing for water. Even businesses that want a permanent installation may not want to incur the cost of installing plumbing to the desired location.

A common solution in these situations is to use purified bottled water as the water source for the drink dispenser with a pump to provide pressure. Using purified bottled water has the advantage that no plumbed water is required, and the pump provides constant pressure for beverage dispensers. The pump also eliminates the need to fit the forty-plus pound water bottle up high and flip it into a typical water dispenser.

Now that businesses and organizers can place beverage centers in the most convenient locations, one of the challenges is to ensure that the water bottles don't run out of water. In high demand situations five gallons of water, which translates to about 80 cups of coffee, can be consumed quickly. And if no one notices that the water bottle is empty, the appliance will run dry and may become damaged.

To handle these water requirements without the drawbacks, Xylem Flojet offers a Dual Inlet Bottled Water System, along with an Appliance Controller. Two five gallon water bottles can be connected to the system providing 10+ gallons of fresh water for use with coffee machines, water dispensers, or for any other application where portable potable water is needed. The appliance controller has the added benefit of turning off the attached appliance, such as a coffee machine, and sounding an audible alarm when the system is out of water. This eliminates the chance of the appliance running without water and being damaged. The appliance controller can also be daisy chained with other bottled water systems and additional controllers for integration flexibility. The complete system is designed for convenience - there is no need to worry about turning off the attached appliances, and because of the larger water capacity, bottle changes are required far less frequently.

The Dual Inlet Bottled Water System has two bottled water lines, each of which are easily connected to most standard 3-5 gallon (11.36 - 18.93 liter) bottles. It has a sealed vacuum keeping the water fresh and a built-in check valve preventing back flow. The pump operates quietly and automatically turns on and off when the faucet is opened and closed. The system is available for 115, 230, and 12V applications.

The Flojet Dual Inlet Bottled Water System with Appliance Controller brings fresh water where it is needed, all in a compact, affordable, and easy to install system.



FLOJET

BOTTLE WATER SYSTEMS

BevJet & BevJet Compact



New

APPLICATIONS

- Bag-in-Box Dispense System is designed for dispensing wine, juice, teas or liquor.
- BevJet Compact - In addition to the main features, the BevJet Compact includes an easily accessible switch to restart when the beverage runs out and is more compact to allow fitting in most locations.
- BevJet - In addition to the main features, the BevJet is in a completely enclosed unit lowering noise and making it easier to clean and maintain. The BevJet also automatically restarts when it is reconnected to the BB.

SPECIAL FEATURES

- Quick, simple and easy to install
- NSF Certification, ensures compliance in typical beverage applications
- Quick disconnect ports, allows hose replacement in seconds and a range of options
- Built-in shut-off, automatically shuts down the unit when the bag is empty run-dry technology and thermal protection, providing peace of mind & avoiding costly service calls
- Self Priming to allow mounting away from the beverage source

STANDARD MODEL NUMBERS

MODEL NUMBER	VOLTAGE	FLOW RATE	MAX PRESSURE	POWER ADAPTER TYPE	COMP. LIANCE
BBE1000A	115V	1.0 GPM (3.785 LPM)	40 PSI (2.76 BAR)	US Plug	NSF, UL
BBE2000A	230V	1.0 GPM (3.785 LPM)	40 PSI (2.76 BAR)	UK Plug	NSF CE, RoHS
BBE3000A	230V	1.0 GPM (3.785 LPM)	40 PSI (2.76 BAR)	EU Plug	NSF CE, RoHS
BBE4000A	230V	1.0 GPM (3.785 LPM)	50 PSI (3.44 BAR)	AU Plug	NSF CE, RoHS

BEVJET COMPACT BASE UNIT

MODEL NUMBER	VAC	PLUG
BLC101-000A	115 VAC	US PLUG
BLC201-000A	230 VAC	UK PLUG
BLC301-000A	230 VAC	EU PLUG
BLC401-000A	230 VAC	AU PLUG
BLC501-000A	100-240 VAC	NO PLUG



11 Speciality Products

BOTTLE WATER SYSTEMS

FLOJET

OIL CHANGERS

Bottled Water Plus Dual Inlet

APPLICATIONS

- Designed for dispensing bottled water to coffee machines, beverage dispensers, vending machines and cars. See diagrams below
- For remote locations where water supply is inaccessible

SPECIAL FEATURES

- Float switch for automatic shut-off when bottle is empty
- Built-in Check Valve to prevent back flow
- Universal seal cap
- Easy mounting and installation
- Upgrade kits are available
- 20' (6.1m) 0.250" (0.5cm) OD discharge hose included

KITS

- Float inlet suction kits (convert single inlet to dual inlet) PN# 21000633A
- Single inlet suction hose replacement kit PN# 21000006B
- Dual inlet suction kits (convert single inlet to dual inlet) PN# 21000633A
- Auxiliary suction tube (no float) replacement kit PN# 21000596C

STANDARD MODEL NUMBERS

MODEL #	VAC	PLUG
SINGLE INLET		
BW400-000A	115 VAC	US Plug
BW400-1-000A	100-240 VAC	No Plug
BW4002-000A	230 VAC	AUS Plug
BW4003-000A	230 VAC	UK Plug
BW4004-000A	230 VAC	SHUKO Plug
DUAL INLET		
BW4020-000A	115 VAC	US Plug
BW4022-000A	230 VAC	AUS Plug
BW4023-000A	230 VAC	No Plug
BW4024-000A	230 VAC	SHUKO Plug



New



JABSCO

Porta-Quick



FOR INTERNATIONAL & US MARKETS

The Porta-Quick Portable Oil Changer makes quick, clean and easy oil changes.

MODELS

MODEL #S	CE	VOLTAGE	AMP DRAW	FUSE SIZE
17800-2000	Yes	12VDC	7 AMP	10 AMP
17800-2024	Yes	24VDC	3.5 AMP	5 AMP

SPECIFICATIONS

BODY	Bronze
IMPELLER	Nitrile
SHAFT SEAL	Lip Type
VOLTAGE	12 or 24 Vdc
MOTOR	Reversible with integral reversing switch
CONTAINER	Plastic with 14 quart (13.25 liter) capacity
POWER CORD	8 feet with alligator clips
SUCTION HOSE	4 feet (1.21 meter) of neoprene hose with 40 inch (1.16 meter) Teflon dipstick probe
DIMENSIONS	13.5 in (800.10 mm) diameter, 13.625 in (346.08 mm) high
WEIGHT	9 lb (4.1 kg)



Permanent Oil Changer



FOR INTERNATIONAL & US MARKETS

The Jabasco Oil Change System's manifold is factory fitted with three ball valves to serve three different oil reservoirs and may be fitted with two additional ball valves to drain up to five oil reservoirs. The system can be used to remove old oil from an engine or transmission then reversed, with the integral reversing switch, to pump a measured amount of new oil back into the engine or transmission. Each connection to an engine is controlled by a dedicated full flow ball valve. The system's cover provides an attractive appearance, fully shrouding the entire pump and manifold system. It also provides added protection against accidental draining of an engine's oil supply because the valve cover protects the factory supplied valves from being accidentally bumped open. Additionally, at the end of an oil change, the cover will not close unless the factory supplied valves are in the fully closed position.

MODELS

MODEL #S	CE	VOLTAGE	AMP DRAW	FUSE SIZE
17820-0012	Yes	12VDC	10 AMP	15 AMP
17820-0024	Yes	12VDC	5 AMP	8 AMP

SPECIFICATIONS

BODY	Bronze
IMPELLER	Nitrile
SEAL	Nitrile Lip Type
VALVES	.5 in (12.7 mm) NPT Full Flow Ball Type
VOLTAGE	12 or 24 Vdc
MOTOR	Reversible Permanent Magnet With Integral Reversing Switch; Complies with US CO 163-110 and ISO 6846 Marine
DIMENSIONS	6.25 x 10.875 x 10.186 inches (159 mm x 276 mm x 259 mm)
WEIGHT	9 lb (4.1 kg)
DIMENSIONS	13.5 in (800 mm) diameter, 13.625 in (346 mm) high
WEIGHT	9 lb (4.1 kg)



Bottled Water Systems & Oil Changers

Speciality Products

11 Speciality Products

OIL CHANGERS

Economy Engine Oil Changer



FOR INTERNATIONAL & US MARKETS

The Economy Engine Oil Changer will extract up to 50 weight of oil at a temperature of 70°F (21°C) through the engine's dip stick tube, usually in less than 5 minutes.



MODELS

MODEL #S	CE	VOLTAGE	AMP DRAW	FUSE SIZE
17820-0012	Yes	12VDC	10 AMP	15 AMP
17820-0024	Yes	24VDC	5 AMP	8 AMP

SPECIFICATIONS

BODY	Polypropylene
DIAPHRAGM	Geolast
VALVES	Viton™
RECEIVER	Plastic with 10 quart (9.46 liters) capacity bucket
BATTERY LEADS	7 feet (2.13 meters) with alligator clips
SUCTION TUBE	8 feet (2.43 meters), oil & heat resistant
VOLTAGE	12 Vdc
AMP DRAW	4 amp
FUSE SIZE	5 amp
MOTOR	Includes integral power switch
DIMENSIONS	12.375 in (314 mm) diameter, 12.75 (324 mm) high
WEIGHT	3.5 lb (1.6 kg)

Flat Tank Economy Engine Oil Changer



FOR INTERNATIONAL & US MARKETS

The Flat Tank Economy Engine Oil Changer will extract up to 50 weight of oil at a temperature of 70°F (21°C) through the engine's dip stick tube, usually in less than 5 minutes.



MODELS

MODEL #S	CE	VOLTAGE	AMP DRAW	FUSE SIZE
17860-0012	Yes	12VDC	4 AMP	5 AMP

SPECIFICATIONS

BODY	Polypropylene
DIAPHRAGM	Geolast®
VALVES	Viton®
RECEIVER	Plastic with 14 quart (13.25 liters) (maximum) capacity tank
BATTERY LEADS	7 feet (2.13 meters) with alligator clips
SUCTION TUBE	8 feet (2.43 meters), oil & heat resistant
VOLTAGE	12 or 24 Vdc
MOTOR	Includes integral power switch
WEIGHT	3.5 lb (1.6 kg)
WEIGHT	9 lb (4.1 kg)

Chemical Resistance Guide 12

Introduction
Chemical Resistance Guide Tables



12 Chemical Resistance Guide

INTRODUCTION

Introduction

This Chemical Resistance Guide is offered to assist in selecting pump materials that are most resistant to the chemicals that may be used with a Xylem pump. The information is based on Xylem laboratory tests, field testing programs and general data from industry sources. It should be used only as a guide in the selection of pump materials. Suitability for the application should be determined by actual use and is the full responsibility of the customer. No warranty, expressed or implied, can be extended by Xylem where failure is caused by chemical attack on pump materials. Temperature, aeration, concentration and other factors may change the effect of the specific fluid on the pump materials. Data shown is based on results at ambient temperatures, unless otherwise noted.

RATING SYSTEM

The "A" rating indicates little effect on the physical properties of the material (Generally Satisfactory).

The "B" rating indicates minor to moderate effect (Generally Satisfactory But Should Be Qualified By Testing).

The "C" rating indicates a change in the physical properties in excess of acceptable tolerances could occur (Generally Not Satisfactory, Must Be Qualified by Testing).

The "D" rating indicates rapid physical deterioration, swelling of check valves, diaphragm or chemical attack on the pump housing material (Not Satisfactory).

Where no rating is shown data is not currently available, pump materials should be qualified by testing.

It is recommended that the pump be thoroughly flushed with water or other neutralizing agent after each use whenever possible.

Name	Properties	General Chemical Resistance	Attached by
Neoprene	Good Weathering Resistance. Flame retarding. Moderate resistance to petroleum-based fluids.	Moderate chemicals and acids, ozone, oils, fats, greases, many oils, and solvents.	Strong oxidizing acids, esters, ketones, chlorinated, aromatic and nitro hydrocarbons.
EPDM	Excellent ozone, chemical and aging resistance. Poor resistance to petroleum-based fluids.	Animal and vegetable oils, ozone, strong and oxidizing chemicals.	Mineral oils and solvents, aromatic hydrocarbons.
Buna-N	Excellent resistance to petroleum-based fluids. Good physical properties.	Many hydrocarbons, fats, oils, greases, hydraulic fluids, chemicals.	Ozone (except PVC blends), ketones, esters, aldehydes, chlorinated and nitro hydrocarbons.
Silicone	Excellent high and low temperature properties. Fair physical properties.	Moderate or oxidizing chemicals, ozone, concentrated sodium hydroxide.	Many solvents, oils, concentrated acids, nitrate sodium hydroxide.
Natural Rubber	Excellent physical properties including abrasion and low temperature resistance. Poor resistance to petroleum based fluids.	Most moderate chemicals, wet or dry, organic acids, alcohols, ketones, aldehydes and alkalis.	Ozone, strong acids, fats, oils, greases, most hydrocarbons including benzene, toluene, gasoline, and lubricating oils.
Urethane	Good aging and excellent abrasion, tear, and solvent resistance. Poor high temperature properties.	Ozone, hydrocarbons, moderate chemicals, ketones, esters, chlorinated and nitro hydrocarbons.	Concentrated acids, ketones, esters, chlorinated
Viton, Fluoro-elastomer	Excellent oil and air resistance both at low and high temperatures. Very good chemical resistance.	All aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils.	Ketones, low molecular weight esters and nitro containing compounds, and nitro hydrocarbons.
Kalrez	Excellent chemical resistance. Excellent high and low temperature properties.		
Fluoro-silicone	Moderate or oxidizing chemicals, ozone, aromatic chlorinated solvents, bases.	Brake fluids, hydrazine, ketones	
Sanitoprene	Resistant to a wide variety of solvents and chemicals. Excellent abrasion resistance and long mechanical life in hot and cold environments	High polar fluids such as alcohols, ketones, glycols, esters, and aqueous solutions of acids, salts, and bases	Most hydrocarbons and petroleum or oil based products

ELASTOMERS



GAS WARNING

No pump manufactured by Xylem should be used for gasoline or any fluid with a flash point below 100° F (38° C)

12 Chemical Resistance Guide

CHEMICAL RESISTANCE GUIDE TABLES

	PLASTICS					ELASTOMERS					ALLOYS		
	POLYPROPYLENE	NITLON	POLYETHYLENE	ACETAL COPOLYMER	KNAR	VITON	BUVA	SILICONE	EPDM	SANTOPRENE	KALREZ	316 STAINLESS STEEL	HASTELLOY
Potassium Carbosulfate	A	A	A	A	A	A	A	A	A	A	A	A	A
Potassium Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Chlorate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Chromate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Dichromate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Ferricyanide	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Hydroxide	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Iodide	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Peroxide	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Permanganate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	B
Potassium Thiocyanate	A	A	A	A	A	A	A	A	A	A	A	A	B
Propene	B	A	A	A	A	A	A	A	A	A	A	A	A
Propionol													
Propyl Alcohol	A	A	A	A	A	A	A	A	A	A	A	A	A
Propyl Acetate	A	A	A	A	A	A	A	A	A	A	A	A	A
Propylene	A	A	A	A	A	A	A	A	A	A	A	A	A
Propylene Dichloride	C	C	C	C	C	C	C	C	C	C	C	C	C
Propylene Glycol	A	A	A	A	A	A	A	A	A	A	A	A	A
Pyridine	A	A	A	A	A	A	A	A	A	A	A	A	A
Pyrosulfuric Acid	A	A	A	A	A	A	A	A	A	A	A	A	B
Ram	A	A	A	A	A	A	A	A	A	A	A	A	A
Rubber	A	A	A	A	A	A	A	A	A	A	A	A	A
Rubber Inhibitors	A	A	A	A	A	A	A	A	A	A	A	A	A
Sand Dressing	A	A	A	A	A	A	A	A	A	A	A	A	A
Sea Water	A	A	A	A	A	A	A	A	A	A	A	A	A
Seawater	A	A	A	A	A	A	A	A	A	A	A	A	A
Shellac (Blended)	A	A	A	A	A	A	A	A	A	A	A	A	A
Shellac (Original)	A	A	A	A	A	A	A	A	A	A	A	A	A
Silicic Acid	A	A	A	A	A	A	A	A	A	A	A	A	A
Silicone	A	A	A	A	A	A	A	A	A	A	A	A	A

	PLASTICS					ELASTOMERS					ALLOYS		
	POLYPROPYLENE	NITLON	POLYETHYLENE	ACETAL COPOLYMER	KNAR	VITON	BUVA	SILICONE	EPDM	SANTOPRENE	KALREZ	316 STAINLESS STEEL	HASTELLOY
Silver Bromide												A	B
Silver Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	A
Silver Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	B
Silver Salts	A	A	A	A	A	A	A	A	A	A	A	A	A
Silver Sulfide	A	A	A	A	A	A	A	A	A	A	A	A	B
Soap Solutions	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Acetate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Aluminate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Bicarbonate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Bisulfate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Bisulfide	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Borate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Bromide	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Carbonate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Chlorate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Chloride	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Chromate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Cyanide	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Oxide	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Hydroxide 20%	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Hydroxide 50%	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Hydroxide 80%	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Hypochlorite < 20%	B	D	A	D	A	A	B	B	A	C			
Sodium Hypochlorite 100%	B	D	B	D	A	A	B	B	B	A			
Sodium Hyposulfite													
Sodium Metaphosphate	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Metasilicate	A	A	A	A	A	A	A	A	A	A	A	A	A
Sodium Nitrate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Peroxide	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Peroxide Alkaline	B	A	A	D	A	A	B	D	A	B	A	A	C
Sodium Phosphate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Phosphate Neutral	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Phosphate Polyphosphate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Silicate	A	A	A	A	A	A	A	A	A	A	A	A	C
Sodium Sulfate	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Sulfite	A	A	A	A	A	A	A	A	A	A	A	A	B
Sodium Sulfite Thioallate	A	A	D	B								A	B

	PLASTICS					ELASTOMERS					ALLOYS		
	POLYPROPYLENE	NITLON	POLYETHYLENE	ACETAL COPOLYMER	KNAR	VITON	BUVA	SILICONE	EPDM	SANTOPRENE	KALREZ	316 STAINLESS STEEL	HASTELLOY
Triethylamine	D	A	C	A	A	A	A	A	A	A	A	A	A
Turpentine	B	A	C	A	A	A	A	D	D	D	A	A	B
Urine	A	A	C	A	A	A	A	A	A	A	A	A	A
Varnish	A	C	C	A	N/A	A	B	D	D	D	A	A	A
Vegetable Juice	A	C	B	B	A	C	A	A	A	A	A	A	C
Vinegar	A	C	B	B	A	B	A	A	A	A	A	A	B
Vinyl Chloride													
Water Acid Mine	A	B	A	A	A	A	A	D	C	A	A	A	A
Water Desiccant	A	A	N/A	A	A	A	A	A	A	A	A	A	B
Water Distilld	A	A	A	A	A	A	A	A	A	A	A	A	A
Water Fresh	A	A	A	A	A	A	A	A	A	A	A	A	A
Water Salt	A	A	A	A	A	A	A	A	A	A	A	A	A
Weed Killers	A	A	A	A	A	A	A	A	A	A	A	A	A
Whiskey & Vines	A	A	A	A	A	A	A	A	A	A	A	A	A
Xylene	C	A	C	A	A	B	D	D	D	A	A	A	B
Yield	D												
Yeast													
Zedite													
Zinc Acetate	A												
Zinc Chloride	A	C	A	A	A	A	D	A	A	A	A	C	B
Zinc Hydroxide	A	C	N/A										
Zinc Sulfate	A	C	B	C	A	A	A	A	A	A	A	A	B
Zinco	A	B	C	A	C	B	A	A	A	A	A	A	A

	PLASTICS					ELASTOMERS					ALLOYS		
	POLYPROPYLENE	NITLON	POLYETHYLENE	ACETAL COPOLYMER	KNAR	VITON	BUVA	SILICONE	EPDM	SANTOPRENE	KALREZ	316 STAINLESS STEEL	HASTELLOY
Sodium Bicarbonate	A	A	B	N/A	A	A	A	A	A	A	A	A	A
Sodium Bisulfate													
Sodium Thiosulfate	A	B	A	C	A	A	B	C	A	A	A	A	A
Sodium Sulfate	A	A	N/A	A	A	A	A	A	A	A	A	A	A
Soybean Oil	A												
Stannic Chloride	A	B	A	C	A	A	A	B	A	A	A	D	B
Stannic Chloride													
Stannous Chloride	A	C	B	N/A	A	A	A	B	B	A	A	A	B
Starch	A	A	B	A	N/A	A	C	A	A	A	A	A	A
Sulfuric Acid	A	A	C	A	A	A	A	A	A	A	A	A	C
Sulfuric Acid 10%	A	A	C	A	A	A	A	A	A	A	A	A	C
Sulfuric Acid (10-75%)	A	D	A	D	A	A	D	B	A	A	A	D	C
Sulfuric Acid (75-95%)	C	D	B	N/A	A	A	D	D	A	A	A	D	C
Sulfuric Acid 100%	C	D	B	N/A	A	A	D	D	B	A	A	D	A
Sulfuric Acid Syrup	A	D	B	C	A	A	B	D	B	A	C	C	
Sulfur Dioxide Dry	A	B	A	A	D	A	D	B	A	A	A	A	D
Sulfur Dioxide Wet	A	C	B	B	A	A	D	B	A	A	A	A	D
Sulfur Trioxide	D	A	C	N/A	N/A	A	D	B	C	D	A	A	A
Sulfuric Acid 10%	A	C	A	D	A	A	D	B	A	A	B	C	
Sulfuric Acid (10-75%)	A	D	A	D	A	A	D	B	A	A	A	D	C
Sulfuric Acid (75-95%)	C	D	B	N/A	A	A	D	D	A	A	A	D	C
Sulfuric Acid 100%	C	D	B	N/A	A	A	D	D	B	A	A	D	A
Sulfuric Acid Syrup	A	D	B	C	A	A	B	D	B	A	C	C	
Tallow	A	A	C	A	N/A	A	A	A	A	B	A	A	A
Tannic Acid	A	C	B	B	A	A	B	A	A	A	A	A	B
Tanning Liquors	A	A	A	N/A	A	A	A	A	A	B	A	A	B
Tartaric Acid	A	B	A	B	A	A	A	A	A	A	C	B	
Tetrahydrofuran	C	C	A	A	A	D	D	B	A	A	A	A	B
Tetrahydrofuran	C	C	A	A	B	D	B	D	B	A	A	A	B
Toluene, Toluol	C	A	C	A	A	D	B	D	B	A	A	A	A
Toronto Juice	C	C	A	A	B	A	A	D	A	D	A	A	A
Trichloroethane	C	C	A	A	A	A	D	D	D	A	A	A	A
Trichloroethylene	C	C	C	D	B	A	C	D	D	A	B	B	
Trichloropropane	A	A	N/A	A	A	A	A	A	A	D	A	A	A
Tris(methylphosphite)	A	A	B	C	D	B	D	C	A	A	A	A	A

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13 Additional Information

CONVERSION DATA

To Convert	To	Multiply By
BAR	PSI	4.5
CENTIMETERS	Inches	0.3937
Centimeters	Feet	0.03280
Centimeters	Meters	0.01
Centimeters	Millimeters	10
CUBIC CENTIMETERS	Cubic feet	3.53x10-5
Cubic Centimeters	Cubic inches	6.102x10-2
Cubic Centimeter	Cubic meters	10-6
Cubic Centimeters	Cubic yards	1.308x10-6
Cubic Centimeters	Gallons	2.642x10-4
Cubic Centimeters	Liters	10-3
Cubic Centimeters	Pints (liq.)	2.113x10-3
Cubic Centimeters	Quarts (liq.)	1.057x10-3
CUBIC FEET	Cubic centimeters	2.832x104
Cubic Feet	Cubic inches	1728
Cubic Feet	Cubic meters	0.02832
Cubic Feet	Cubic yards	0.03704
Cubic Feet	Gallons U.S.	7.48052
Cubic Feet	Imperial gallons	6.23
Cubic Fee	Liters	28.32
Cubic Feet	Pints (liq.)	59.84
Cubic Feet	Quarts (liq.)	29.92
CUBIC FOOT WATER	Pounds	62.4
Cubic Foot Water	Ounces	998.8
Cubic Foot Water	Kilograms	28.315
CUBIC INCHES	Cubic centimeters	16.39
Cubic inches	Cubic feet	5.787x10-4
Cubic inches	Cubic meters	1.639x10-5
Cubic inches	Cubic yards	2.143x10-5

To Convert	To	Multiply By
Cubic inches	Gallons	4.329x10-3
Cubic inches	Liters	1.639x10-2
Cubic inches	Pints (liq.)	0.03463
Cubic inches	Quarts (liq.)	0.01732
FEET	Centimeters	30.48
Feet	Inches	12
Feet	Meters	0.3048
Feet	Yards	1/3
FEET OF WATER	Atmospheres	0.02950
Feet of Water	Inches of Mercury	0.8826
Feet of Water	Kgs. sq. cm.	0.03048
Feet of Water	Lbs. sq. ft.	62.43
Feet of Water	Lbs. sq. inch	0.4335
GALLONS U.S.	Cubic centimeters	3785
Gallons U.S.	Cubic feet	0.1337
Gallons U.S.	Cubic inches	231
Gallons U.S.	Cubic meters	3.785x10-3
Gallons U.S.	Cubic yards	4.951x10-3
Gallons U.S.	Fluid ounces	128
Gallons U.S.	Liters	3.785
Gallons U.S.	Pints (liq.)	8
Gallons U.S.	Quarts (liq.)	4
Gallons U.S.	Imperial gallons	0.83267
GALLONS (IMP)	U.S. gallons	1.20095
GALLONS U.S.	Pounds of water	8.3453
Gallons U.S.	Kilograms	3.785
GALLONS/MIN	Cubic feet/sec.	2.228x10-3
Gallons/Min.	Liters/sec.	0.06308
Gallons/Min.	Liters/Min.	3.785
Gallons/Min.	Cu. ft. hr.	8.0208

To Convert	To	Multiply By
GRAMS	Dynes	980.7
Grams	Grains	15.43
Grams	Kilograms	10-3
Grams	Milligrams	103
Grams	Ounces	0.03527
Grams	Ounces (troy)	0.03215
Grams	Pounds	2.205x10-3
HORSE-POWER	B.T. Units/min.	42.44
Horse-power	Foot-lbs./min.	33.000
Horse-power	Foot-lbs./sec.	550
Horse-power	Horse-power (metric)	1.014
Horse-power	Kg.-calories/min.	10.70
Horse-power	Kilowatts	0.7457
Horse-power	Watts	745.7
INCHES	Centimeters	2.540
Inches	Millimeters	25.4
Inches	Meters	0.0254
Inches	Feet	0.0833
INCHES OF MERCURY	Kgs./sq. cm.	0.03453
Inches of Mercury	Lbs./sq. ft.	70.73
Inches of Mercury	Lbs./sq. inch	0.4912
INCHES OF WATER	Atmosphere	0.002458
Inches of Water	Inches of Mercury	0.07355
Inches of Water	Kgs./sq. cm.	0.002450
Inches of Water	Ounces/sq. inch	0.5781
Inches of Water	Lbs./sq. ft.	5.202
Inches of Water	Lbs./sq. inch	0.03613
KILOGRAMS	Pounds	2.205
Kilograms	Tons (short)	1.102x10-3
Kilograms	Grams	103
LITERS	Cubic centimeters	103
Liters	Cubic feet	0.03531

To Convert	To	Multiply By
Liters	Cubic inches	61.02
Liters	Cubic meters	10-2
Liters	Cubic yards	1.308x10-3
Liters	Gallons	0.2642
Liters/min.	Gallons/min.	0.264
Liters	Pints (liq.)	2.113
Liters	Quarts (liq.)	1.057
METERS	Centimeters	100
Meters	Feet	3.281
Meters	Inches	39.37
Meters	Kilometers	10-3
Meters	Millimeters	103
Meters	Yards	1.094
MILLIMETERS	Centimeters	0.1
Millimeters	Inches	0.03937
POUNDS (AVOIR.)	Ounces	16
Pounds (avoir.)	Drams	256
Pounds (avoir.)	Grains	7000
Pounds (avoir.)	Tons (short)	0.0005
Pounds (avoir.)	Grams	453.5924
Pounds (avoir.)	Pounds (troy)	1.21528
Pounds (avoir.)	Ounces (troy)	14.5833
Pounds (avoir.)	Kilograms	0.454
POUNDS OF WATER	Cubic feet	0.01602
Pounds of Water	Cubic inches	27.68
Pounds of Water	Gallons	0.1198
Pounds of Water	Imperial gallon	0.10
POUNDS/SQ. INCH	Atmospheres	0.06804
Pounds/Sq. Inch	Feet of Water	2.307
Pounds/Sq. Inch	Inches of Mercury	2.036
Pounds/Sq. Inch	Kgs. sq. cm.	0.07031
Pounds/Sq. Inch	Bars	0.06895

13 Additional Information

WARRANTY & RETURNS POLICY

Warranty

Xylem warrants that at the time of shipment the product manufactured by Xylem and sold hereunder ("the product") shall be in conformity with applicable written specifications and descriptions and will be free from defects in material and workmanship for a period of 1 year or period stated on the product packaging. The warranty will not extend to a product which becomes defective resulting from damage in the course of transportation or by storage operation, use, or maintenance in an environment not conforming to the instructions or specifications of Xylem, or if the product is altered or modified in any way.

Xylem's sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.

Warranty is only valid with proof of purchase from an authorized Xylem dealer.

Please note that the warranty on the product is with the place of purchase. For further information on Xylem warranties or to make a warranty claim, please contact your local Xylem dealer or visit our website at www.Xylem.com.

This warranty does not affect your statutory rights.



Returns Policy

If you, or your customer, need to return a product for warranty consideration, the following steps should be followed for the best possible service.

1. Contact your local customer service center for a return material authorization (RMA) number. They will, whenever possible, trouble-shoot the problem with you or your customer to resolve the claim; but if the product has to be returned, use the RMA number given to you by the customer service representative.
2. When it arrives at our facility, we will review the problem, determine whether it is warranty or not, estimate cost and time required to repair the product, then contact you with this information.
3. For problems covered under our one year limited warranty, repairs will be completed or a replacement product will be returned to you.
4. For problems deemed non-warranty, we will request a written authorization from you for the estimated repair costs, repair the product, and return it with a detailed parts and labor breakdown and invoice for the charges.

Xylem

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're 12,500 people unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com



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