DUPLEX II

DUPLEX II SERIES PUMPS

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.

SPECIAL FEATURES

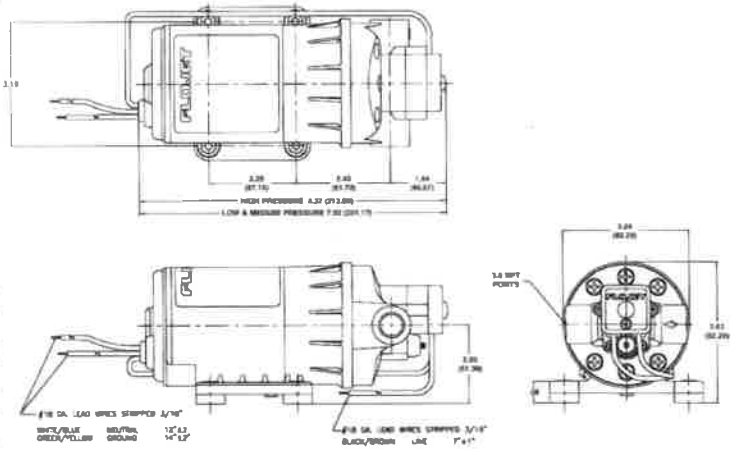
- Self priming up to 8 feet (2.4 m).
- Can run dry without damage.
- Chemical resistant material.
- Internal bypass standard.
- Built-in back flow preventer.
- Heavy duty ball bearing drive system.
- UL, CSA and CE models available.

SPECIFICATIONS

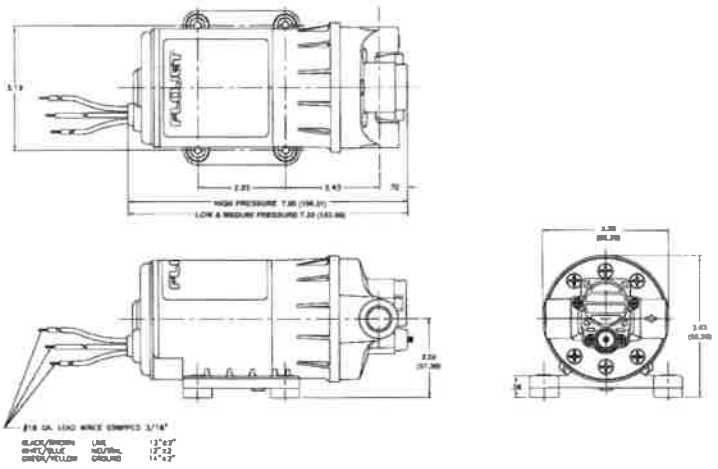
Pump: Positive Displacement two piston design
Flow Rate: 2.2 GPM (8.32 L/min) for high pressure models
1.6 GPM (6.05 L/min) for medium and low pressure models
Pressures: Up to 100 PSI (6.89 bar)
Ports: 3/8" NPT female
Motor: Permanent Magnet with solid state rectifier
Voltages: 12 & 24 V DC, 115 & 230 V AC
Cycle: 50/60 hertz for AC models
Ref. Flow Curves for amps at 115V AC
Dry Vacuum: Up to 8 feet
Pressure Switch Setting: 15, 30, 45, 60, 80, and 100 PSI
Maximum Operating Pressure: 100 PSI (6.8 bar)
Maximum Fluid Temperature: 140° F
Wetted Parts: Plolypropylene, Viton®, Buna or EPDM
Net Weight: 4 to 5 lbs. (2.28 kgs)

DIMENSIONS inches (mm)

Demand Pump



Bypass Pump



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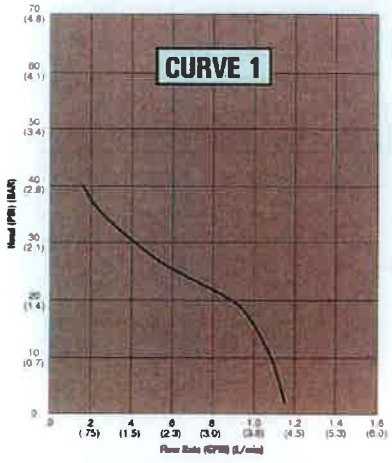
To choose a pump model number, fill in the desired voltage code for 'x' and the compatible elastomers code for 'y'. Hence for a medium pressure demand pump where a 115 V AC motor is required and Viton is chosen, the model number becomes D3631V5011.

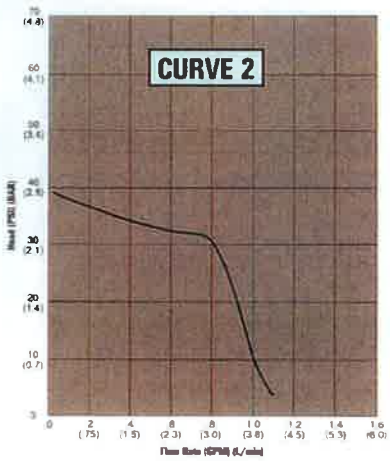
Duplex II Standard Models			
Low Pressure	Demand Pump	D3 ____ (x) 21 ____ (y) 3011	(Reference Curve #1)
	Bypass Pump	D3 ____ (x) 21 ____ (y) 1211	(Reference Curve #2)
Medium Pressure	Demand Pump	D3 ____ (x) 31 ____ (y) 5011	(Reference Curve #3)
	Bypass Pump	D3 ____ (x) 31 ____ (y) 1311	(Reference Curve #4)
High Pressure	Demand Pump	D3 ____ (x) 35 ____ (y) 7011	(Reference Curve #5)
	Bypass Pump	D3 ____ (x) 35 ____ (y) 1411	(Reference Curve #6)

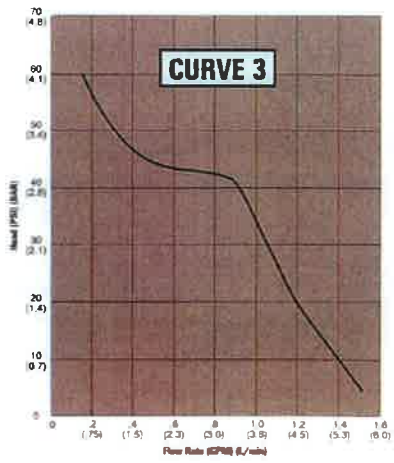
x ____ 1 for 12 VDC
6 for 115 VAC, 50/60 HZ
7 for 230 VAC, 50/60 HZ

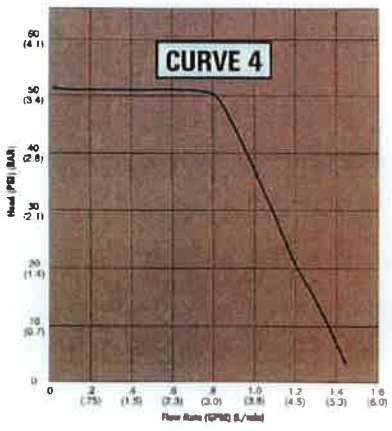
y ____ V for Viton® Check Valves and Viton® Diaphragm
B for Buna Check Valves and Buna Diaphragm
E for EPDM Check Valves and EPDM Diaphragm

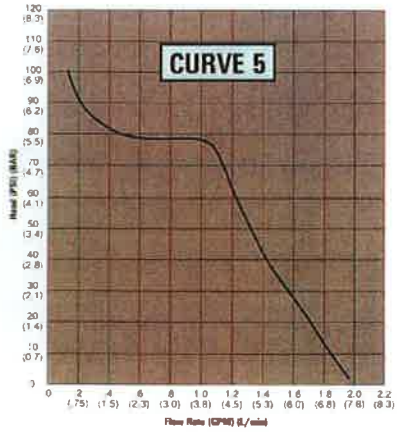
Note: All 230 V motors are available with partial suppression. Contact Flojet for full suppression availability.

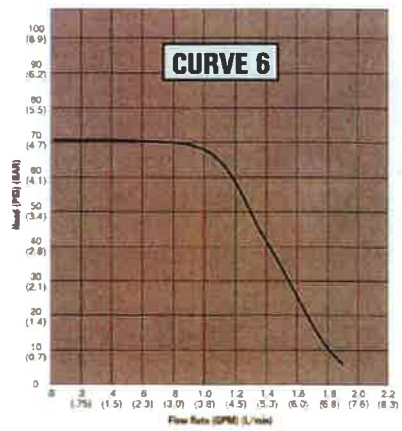












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