

# DUPLEX DIAPHRAGM DEMAND PUMP



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- Flojet 2100 Delivers Flows up to 2.0 GPM (7.6 L/min) and Operating Pressures up to 50 PSI (3.5 bar)
  - Built-in Pressure Switch Automatically Starts and Stops Pump Instantaneously
  - Can Run Dry Without Damage
  - Excellent Self-Priming Capability
  - Powerful Permanent Magnet Motor with Low Current Draw
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**FLOJET**

## SPECIAL FEATURES

FLOJET 2100 delivers up to 54 PSI (3.5 bar) working pressure. See model 2130 or 2135 for applications up to 100 PSI (6.9 bar). Built-in pressure switch automatically starts and stops pump instantaneously when discharge valve is opened and closed. Can run dry without damage and handle liquids up to 160°F (71°C).

Duplex Diaphragm Design eliminates troublesome shaft seal. 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.

U.L. recognized (115 Volt AC only).

Available in 12 to 230 Volts.

## PUMP PERFORMANCE

CAPACITY, Gallons Per Minute (Liters/Minute)						
115 & 230 Volt						
Model No. 115 V/(230 V)	Max. Flow	10 psi (.7 bar)	20 psi (1.4 bar)	30 psi (2.1 bar)	40 psi (2.8 bar)	50 psi (3.5 bar)
2100-030 (2100-230)	1.65 (6.3)	1.38 (5.2)	1.16 (4.4)	1.0 (3.8)	.89 (3.3)	.79 (3.0)
2100-031 (2100-231)	1.35 (5.1)	1.06 (4.0)	.91 (3.4)	.78 (2.9)	.68 (2.6)	.62 (2.3)
2100-032 (2100-232)	1.85 (7.0)	1.51 (5.7)	1.34 (5.0)	1.19 (4.5)	1.05 (4.0)	.94 (3.6)
2100-034* (2100-234)	1.01 (3.8)	.81 (3.0)	.68 (2.5)	.58 (2.2)	.49 (1.8)	.41 (1.5)
2100-035 (2100-235)	1.94 (7.3)	1.75 (6.6)	1.55 (5.8)	1.37 (5.1)	1.23 (4.6)	1.13 (4.3)
12 & 24 Volt						
Model No. 12 V/(24 V)	Max. Flow	10 psi (.7 bar)	20 psi (1.4 bar)	30 psi (2.1 bar)	40 psi (2.8 bar)	50 psi (3.5 bar)
2100-130 (2100-330)	1.87 (7.0)	1.53 (5.8)	1.43 (5.4)	1.27 (4.8)	1.15 (4.3)	1.03 (3.9)
2100-131 (2100-331)	1.66 (6.2)	1.45 (5.5)	1.24 (4.6)	1.10 (4.1)	.98 (3.7)	.87 (3.3)
2100-132 (2100-332)	2.15 (8.1)	1.90 (7.2)	1.70 (6.4)	1.64 (6.2)	1.50 (5.7)	1.39 (5.2)
2100-134* (2100-334)	1.15 (5.8)	.97 (3.6)	.86 (3.2)	.74 (2.8)	.67 (2.5)	.57 (2.1)
2100-135 (2100-335)	2.35 (8.9)	2.10 (7.9)	1.95 (7.3)	1.80 (6.8)	1.65 (6.3)	1.53 (5.8)

NOTE: Last digit in the model indicates the cam number

\* These models have lower priming capabilities. Consult factory with your requirements.

## SPECIFICATIONS

Flow Rate	1.0 to 2.0 GPM (3.7 to 7.6 L/min) Nominal
Pump Design	Duplex Diaphragm
Shaft Seal	None
Motor	Permanent Magnet Motor
Standard	TENV (non-ventilated)
Optional	TEFC (fan-cooled)
Voltage	12 & 24 Volt DC, 115 & 230 Volt AC
Cycle	50/60 hertz for AC Models
Current	
12 Volt	8.0 amp max.
24 Volt	3.5 amp max.
115 Volt	0.55 amp max.
230 Volt	0.25 amp max.
Pressure Switch Setting	40 - 60 PSI (2.1 - 4.2 bar)
Maximum Operating Pressure	50 PSI (3.5 bar)
Maximum Fluid Temperature	160°F (71°C)
Self-Priming	Up to 8 ft. (2.4 m) Vertical Height
Ports	3/8" NPT, May be rotated in 90° increments
Wetted Parts	
Housing	Reinforced Polypropylene - Standard Nylon - Optional
Elastomers	Santoprene® - Standard Viton® and Buna - Optional
Net Weight	3.8 lbs. (1.7 kg)

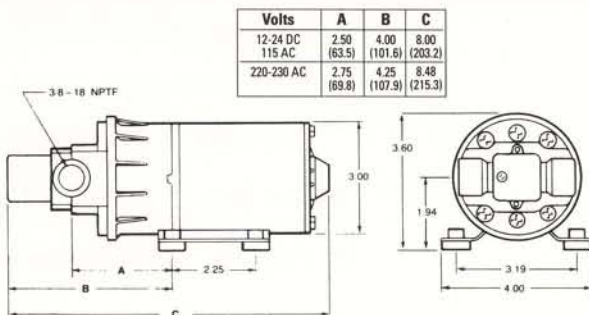
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## STANDARD MODEL NUMBER REFERENCE (2 CAM, 60 PSI SWITCH)

MODEL	DESCRIPTION	MODEL	DESCRIPTION
2100-012	115 V, Buna N	2100-112	12 V, Buna N
2100-022	115 V, Viton	2100-122	12 V, Viton
2100-032	115 V, Santo	2100-132	12 V, Santo

The standard numbering system is used for models up to ~500 which have standard parts and assemblies. Numbers ~500 and over are used for variations from standard assemblies such as internal bypass, special motor, etc. Consult the factory for special variations to meet specific requirements.

## DIMENSIONS (Inches/mm)



# FLOJET

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