

## FEATURES

### PUMP DESIGN

Self-priming, single diaphragm positive displacement, runs wet or dry

### PORTS

Choice of 1/8" or 1/4" FNPT

### VOLTAGE

12-24 VDC

### MAX START UP CONSUMPTION

1500 mA

### ELECTRICAL CONNECTIONS

Spade type terminals

### SIZE

1.66"W x 3.0"L x 3.7"H  
(42.16 x 76.20 x 93.98 mm)

### MOTOR

Permanent magnet DC

### WEIGHT

9.3 oz. (263 g)

### TEMPERATURE RANGE

220°F (104°C) maximum

### DUTY CYCLE

1000 hours continuous duty @ 12 VDC\*

### PUMP BODY

Nylon 6

### O-RINGS

Buna-N, EPDM, Viton®, Silicone

### DIAPHRAGMS

Teflon®

### SPRINGS

316 stainless steel or Hastelloy-C\*\*

### VALVES

Spring-loaded poppet design, molded as part of the body

All standard materials are FDA compliant

\*Lifetime will vary depending on usage \ \*\*Hastelloy-C only available with 1/4" FNPT ports

## OPTIONS BY MODEL

MODEL	#SP3210 (1/8" FNPT PORT) #SP3410 (1/4" FNPT PORT)	#SP3215 (1/8" FNPT PORT) #SP3415 (1/4" FNPT PORT)	#SP3220 (1/8" FNPT PORT) #SP3420 (1/4" FNPT PORT)
POWER CONSUMPTION	~300-500 mA	~300-600 mA	~300-700 mA
MAX OUTPUT PRESSURE	40 PSI @ 12 VDC (2.8 Bar) 60 PSI @ 24 VDC (4.1 Bar)	26 PSI @ 12 VDC (1.8 Bar) 60 PSI @ 24 VDC (4.1 Bar)	19 PSI @ 12 VDC (1.3 Bar) 45 PSI @ 24 VDC (3.1 Bar)
MAX FLOW RATE	9.1 GPH @ 12 VDC (34.4 LPH)	12.7 GPH @ 12 VDC (48.1 LPH)	16.6 GPH @ 12 VDC (62.8 LPH)
VACUUM	18 inHg wet, 3.6 inHg dry @12 VDC (457 mmHg wet, 91 mmHg dry)	21 inHg wet, 5.3 inHg dry @12 VDC (533 mmHg wet, 135 mmHg dry)	22 inHg wet, 8.6 inHg dry @12 VDC (559 mmHg wet, 218 mmHg dry)

# Series 3000 Liquid Pumps

## Energy-efficient, Durable, & Dependable

Looking for a **high-capacity, self-priming liquid pump**? Smart Products Series 3000 liquid pumps are the ideal solution, even for applications using high viscosity fluids. With a **single diaphragm, positive displacement** design, Series 3000 Liquid Pumps are available in six different options including a choice of 1/8" or 1/4" FNPT ports.

Our durable pumps deliver **1,000 hours of continuous duty, can run wet or dry, and transfer fluids approaching the viscosity of 90 wt gear oil**. Recent design changes make the Series 3000 pump more robust with significantly reduced vibration and noise. Smart Products can customize pump performance based on your needs.

*Note: Our products are subject to continuous improvement. To achieve this goal, Smart Products reserves the right to change features, processes, materials, testing and other specifications as necessary. All plastic body material recommendations are based on standard corrosion resistant and compatibility guides. Smart Products strongly recommends that customers test products for each application-specific use.*

*Buyer is urged to test and investigate the compatibility of any substance used with our products prior to actual use. Seller will not be responsible for the failure of Buyer to thoroughly test and investigate the compatibility of the substances used with our products and the fitness of the products for its particular use or application.*

ONE DESIGN WITH SIX  
LIQUID PUMP OPTIONS



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