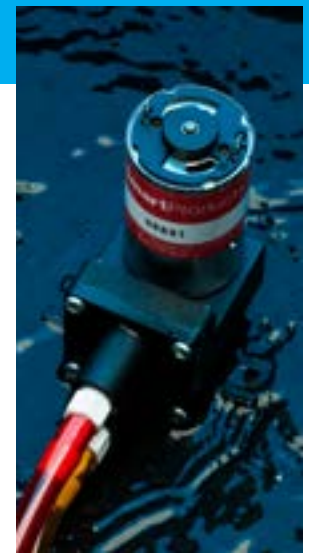


# SERIES 3000 LIQUID PUMPS • SPECIFICATIONS



## PUMP DESIGN

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

## SIZE

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

## WEIGHT

9.3 oz. (263 g)

## MAX START UP CONSUMPTION

1500 mA

## TEMPERATURE RANGE

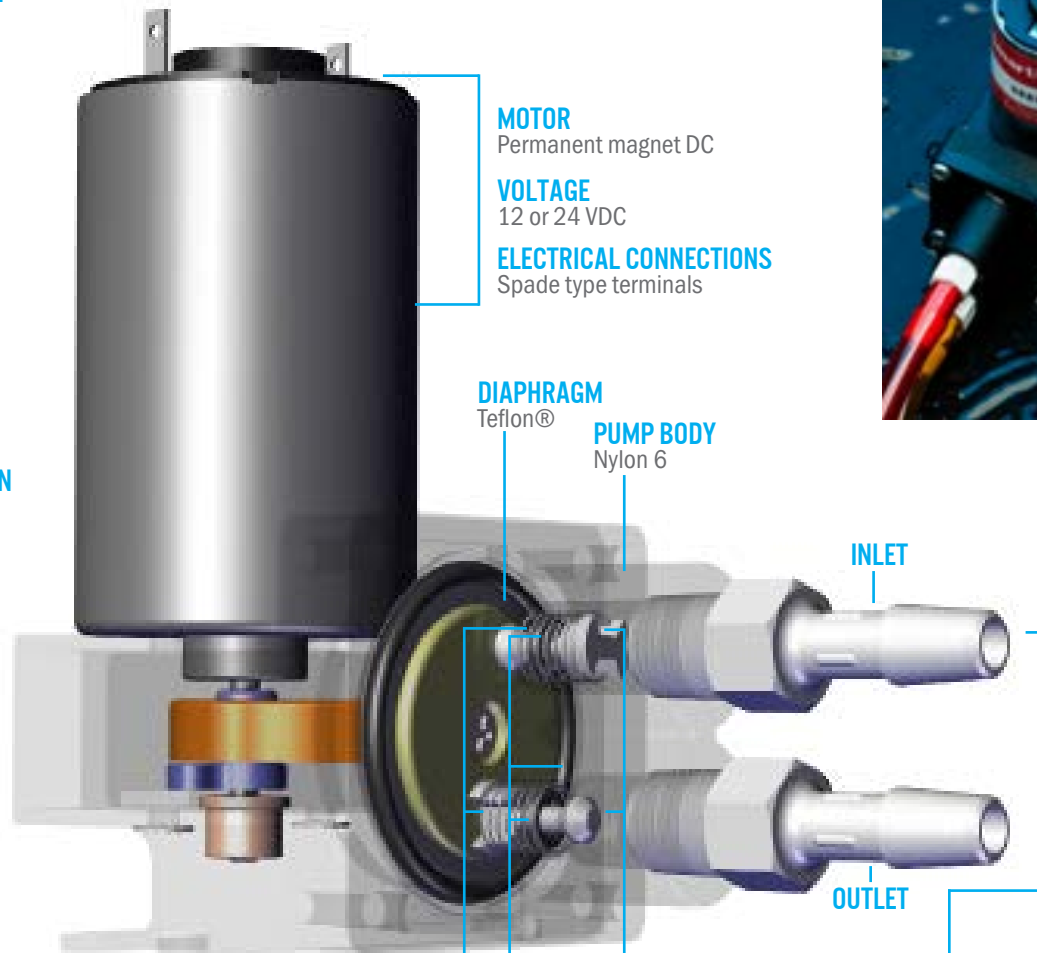
220°F (104°C) maximum

## DUTY CYCLE

1000 hours continuous duty @ 12 VDC\*

\*Lifetime will vary depending on usage

**ALL STANDARD MATERIALS ARE FDA COMPLIANT**



**MOTOR**  
Permanent magnet DC

**VOLTAGE**  
12 or 24 VDC

**ELECTRICAL CONNECTIONS**  
Spade type terminals

**DIAPHRAGM**  
Teflon®

**PUMP BODY**  
Nylon 6

**INLET**

**OUTLET**

**O-RING OPTIONS**  
Buna-N  
EPDM  
Viton®  
Silicone

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

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

**SmartProducts**  
*Engineered for success™*

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## SPRING OPTIONS

316 stainless steel or Hastelloy-C\*\*

\*\*Hastelloy-C only available with 1/4" FNPT ports

Note: Pumps are not pictured to actual size. Our products are subject to continuous improvement. To achieve this goal, Smart Products USA, Inc. 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.

## 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)
<b>POWER CONSUMPTION</b>	~300-500 mA	~300-600 mA	~300-700 mA
<b>MAX OUTPUT PRESSURE</b>	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)
<b>MAX FLOW RATE</b>	9.1 GPH @ 12 VDC (34.4 LPH)	12.7 GPH @ 12 VDC (48.1 LPH)	16.6 GPH @ 12 VDC (62.8 LPH)
<b>VACUUM</b>	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)