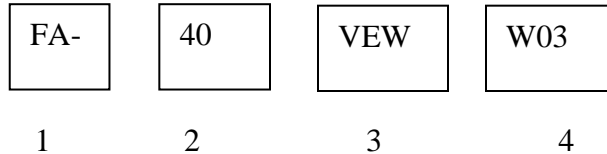




FA-40 Specifications

Model Code:



1. Series Code: FA Series – Non-metallic pump for medium temperature liquid
2. Maximum discharge volume: 10.6 Gal/min (40 L/min)
3. Pump orientation: VEW - Vertical
4. Special specifications: W03: 1” suction & discharge port tubing connections
Proximity sensor & leak detection covers

FA-40VEW-W03 Pump Specifications:

Max discharge volume ¹	10.6 Gal/min (40 L/min)
Max stroke speed	80 spm
Self-priming ability ²	6.56 ft (2m)
Liquid temp range	68-212°F (20 –100°C)
Max supply air pressure	57 psi (4 kg/cm ²)
Liquid contacting material	PFA/PTFE
Liquid piping connection port ³	PFA 1” tubing (N 25 x N 22)
Supply air connection port	3/8” PT
Max air consumption	50-200 NL/min
Ambient temperature	32-104°F (0-40°C)

Notes:

1. The maximum discharge volume is based on pure water at 38°F (20°C).
2. The self-priming value is based on the maximum stroke rate with pure water at room temperature.
3. In screw type connections, the connection tube and nut are attached.

Sensor Specifications (for FA-40VEW-W03 pumps):

Sensing range	4 mm
Normally open	E (NPN) or E2 (PNP)
Normally closed	---
Flush mounted, shielded	No
LED	Metal Housing only
Short circuit & overload protection	Yes
Protection	Cable: Crastin IP68, S.S. IP67/Receptacle IP65
Reduction factor	
Stainless steel	.85
Aluminum	.45
Repeatability	≤ 0.1 mm
Hysteresis	About 3%
Standard target	12 x 12 x 1mm Ferrous
Voltage range	10 –30 VDC
Leakage current	---
Current consumption	≤ 15 mA
Load current (current range) max	200 mA
Inrush current	---
Voltage drop (across sensor)	≤ 3 V
Switching frequency (max)	400 Hz
Ambient temperature	-14°F to +158°F
UL listed	Yes
Certified	Only receptacle versions

Connection:

