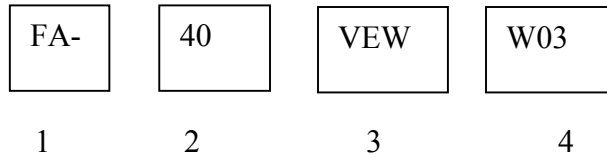




FA-40 Specifications

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:

