



FXM2-S Metering Pump



IIoT
ready

Technical Data

Weight/Shipping weight	28.6 lb / 30.8 lb
Maximum flow	46.5 GPH
Maximum working pressure	125 psi
Maximum suction lift	30 ft. water, 1.5 psi (Abs)
Maximum viscosity	12 000 centipoise
Motor installed power	0.25 hp
Remote adjustment	4-20 mA, 0-10 VDC or pulse
Inputs	2 remote inputs, 1 assignable input
Feedbacks	4-20 mA, pulse and 4 alarm contacts
Voltage (max amp)	Automatic identification: 96-264 VAC 50/60 Hz (2 amp)
Min. & max. ambient temp.	14° to 131° F
Accuracy	± 0.5 %
Repeatability	± 0.5 %
Maximum fluid temperature	115° F
Output speed control range	1-100 % in 0.1 % increment 0.02-1 % in 0.01 % increment. 5000:1 turndown.
Enclosure	NEMA 4X / IP66
Plug type	125V AC, NEMA 5/15 (US)
	230V AC, NEMA 6/15 (US)
	230V AC, CEE7/VII (Europe)
	230V, BS 1363 (UK)
	230V AC, AS/NZS3112 (AUS)

Features

- Only the tube is in contact with the process medium
- Self-priming (up to 90 % of full vacuum)
- Fully reversible operation
- Dry run capability
- Accurate metering throughout the whole operating range
- Remote start/stop
- Basic logic control
- Ready for online access through Flowrox Malibu™ platform (IIoT)
- Serviceable rotor construction for ease of maintenance
- Automatic identification of supply voltage
- Field switchable power cord - no need to open pump housing
- Available with flow verification switch
- Digital touchpad adjustment - precise and reliable
- 3,5" backlit high resolution display
- Display languages: English, German, Spanish, French, Finnish
- Security: programmable 4-digit password

Materials of Construction

Primary pump wetted components:

Pump tube elements	Norprene® (for chemicals) or Tygothane® (for oils and fats) or Tygon lined Norprene® (acids). Adapter fittings: PVDF
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Accessories wetted components:

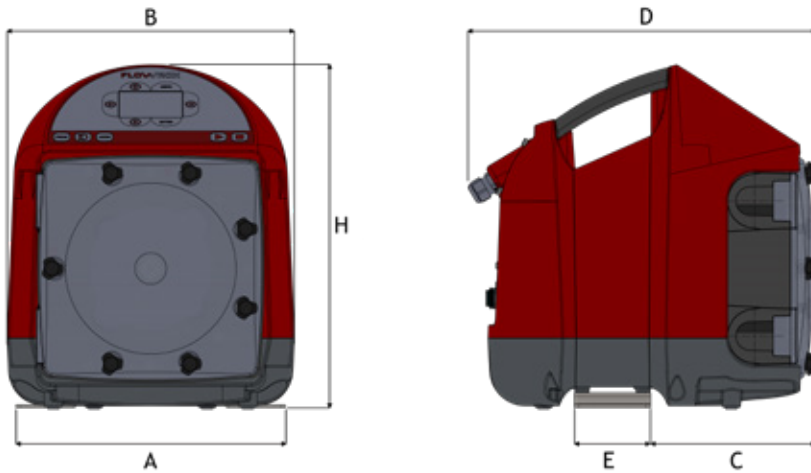
Suction tubing	Clear PVC
Suction strainer	Natural polypropylene
Discharge tubing	Natural polyethylene (LLDPE)
Injection fitting with check valve	Body & insert: PVDF

Non-wetted components:

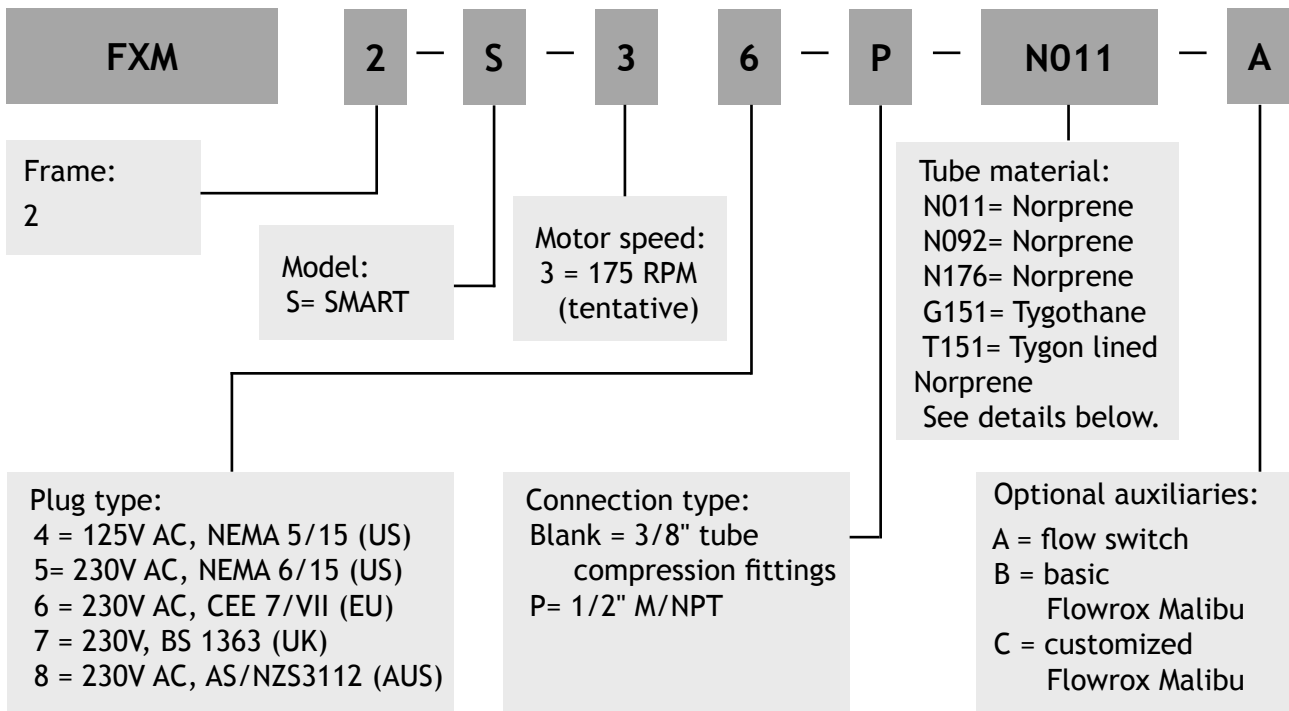
Pump head	PBT GF30
Housing	Powder coated aluminium
Pump head cover	Clear acrylic
Cover screws	300 SS, polypropylene caps
Roller assembly	Rotor: PBT GF30 Rollers: POM Roller bearings: ball bearing
Motor shaft	Chrome plated steel
Leak detection	Capacitive non-contact

Dimensions in inches

	B	H	A	D	E	C
FXM2	9.3	12.1	11.8	12.9	3.3	6.1



FXM Model Matrix:



Maximum Flow Rate and Pressure Capabilities:

Tube Number	Tubing Material	PSI	Gallons per Hour
N011	Norprene	125	2.9
N092	Norprene	125	24.3
N176	Norprene	30	46.5
G151	Tygothane	65	39.9
T151	Tygon lined Norprene	50	39.9



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