

EZ-View® Flow Meters

With Flow-Alert™ Flow Switch

- Reed switch and latching models
- Automatically signals alarm if flow is too high or too low
- Models available for AC or DC power supply
- Latching models include Hirschmann type electrical connector
- Easy to install
- Easy flow limit adjustment
- Operates in any position
- Relatively insensitive to shock and vibration
- Repeatability within $\pm 1\%$
- Low cost

SPECIFICATIONS:

MATERIALS:

Polysulfone plastic body, piston and cone
 T300-series stainless spring
 Buna N flow indicator ring and pressure seals
 C360 Brass, PVC, or T303 stainless fittings
 Polypropylene limit indicators
 Strontium Ferrite magnet
 PH15 – 7MO stainless retaining ring
 Optional: Teflon® coated spring and retaining ring, consult factory.

FITTINGS/ THREADS: NPT ANSI/ASME B1.20.1, BSPT ISOR7

See Ordering Information Table, page 66

TEMPERATURE RANGE: 32 °F to 250 °F (0 °C to 121 °C)

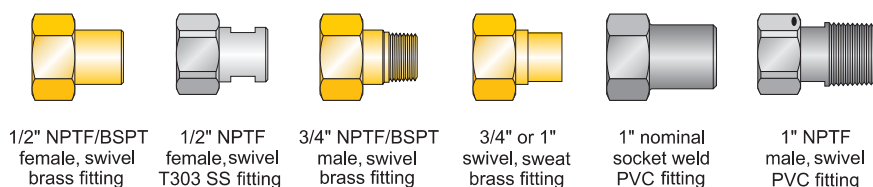
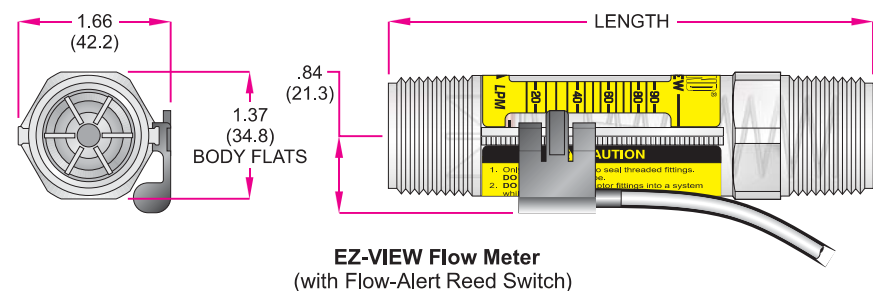
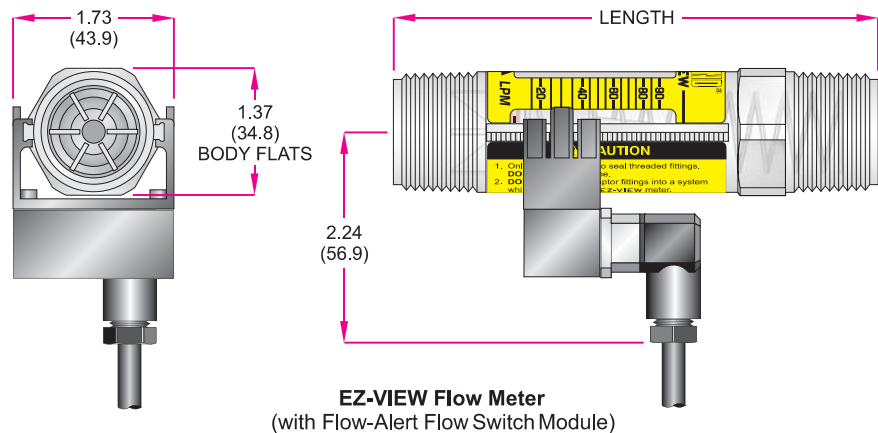
PRESSURE RATING: Liquid: 325 psi / 22.4 bar maximum;
 Air/Gases: 125 psi / 8.6 bar maximum

PRESSURE DROP: See Differential Pressure Charts, page 64

ACCURACY: $\pm 5\%$ of full scale

REPEATABILITY: $\pm 1\%$

DIMENSIONS: See Ordering Information Table, page 66



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Flow Switch Options and Specifications:

The AC and DC powered Flow-Alert Flow Switch modules consist of a latching relay circuit housed in a sealed polypropylene enclosure. The modules have a normally open dry relay contact that can be used to directly control alarms, warning lights, relays or be used to interface to a PLC. The relay will be latched on as the magnet inside the flow meter passes by the module, and remain latched on until the magnet passes in the other direction or power is interrupted. The set point is adjustable from 0 to 100% of full scale.

The Reed Switch Flow-Alert modules are housed in a sealed polypropylene enclosure. The reed switch module does not provide the latching function like the AC and DC powered units. When the magnet inside the flow meter comes within proximity of the module, the reed switch will change state. The set point is adjustable from 0 to 100% full scale. Two reed switches providing low flow and high flow set points may be installed on a single flow meter.

	AC Latching	DC Latching	Reed Switch Form-A Normally Open (NO)	Reed Switch Form-B Normally Closed (NC)	Reed Switch Form-C
Operating Voltage	115 VAC ±10%	10-30 VDC	–	–	–
Operating Current	25 mA maximum	25 mA maximum	–	–	–
Contact Rating	1A @ 30 VDC 0.5A @ 125 VAC Resistive Load	1A @ 30 VDC 0.5A @ 125 VAC Resistive Load	1A max 200 VDC max 15 Watts max Resistive Load	0.25A max 175 VDC max 5 Watts max Resistive Load	0.25A max 175 VDC max 5 Watts max Resistive Load
Operating Temperature	32 to 158 °F (0 to 70 °C)	32 to 158 °F (0 to 70 °C)	32 to 250 °F (0 to 121 °C)	32 to 250 °F (0 to 121 °C)	32 to 250° F (0 to 121 °C)
Connector	4-pin connector (Protection Class IP65)	4-pin connector (Protection Class IP65)	–	–	–
Cable	Not Included	Not Included	3 foot, 2-wire #24 AWG black PVC Jacketed pig-tail	3 foot, 2-wire #20 AWG grey PVC Jacketed pig-tail	3 foot, 3-wire #24 AWG grey PVC Jacketed pig-tail
Rating	NEMA 12 & 13 (IP65)	NEMA 12 & 13 (IP65)	NEMA 12 & 13 (IP65)	NEMA 12 & 13 (IP65)	NEMA 12 & 13 (IP65)
Certification	N/A	CE	CE	CE	CE
Model Number	H526-003	H526-005	H526-008-NO	H526-008-NC	H526-008

NOTE: Flow switches and flow meters sold separately

Ordering Information

Fluid Media	Flow Range		1/2" NPTF female, swivel brass fitting	1/2" NPTF female, swivel T303 SS fitting	1/2" BSPT female, swivel brass fitting	3/4" NPTF male, swivel brass fitting	3/4" BSPT male, swivel brass fitting	3/4 or 1 inch ^① nominal, swivel sweat brass fitting	1" NPTF ^② male, plastic polysulfone fitting	1" nominal ^③ socket weld PVC fitting	1" NPTF male, swivel PVC fitting
Oil 0.876 s.g.	0.5 – 4 GPM	2 – 15 LPM	H624-704	H626-704	H627-704	H625-704	H630-704		H621-704	H628-704	H629-704
	1.0 – 7 GPM	4 – 26 LPM	H624-707	H626-707	H627-707	H625-707	H630-707		H621-707	H628-707	H629-707
	1.0 – 10 GPM	4 – 35 LPM	H624-710	H626-710	H627-710	H625-710	H630-710		H621-710	H628-710	H629-710
	1.0 – 16 GPM	5 – 60 LPM	H624-716	H626-716	H627-716	H625-716	H630-716		H621-716	H628-716	H629-716
	3.0 – 18 GPM	15 – 65 LPM				H625-718	H630-718		H621-718	H628-718	H629-718
	4.0 – 28 GPM	20 – 100 LPM				H625-728	H630-728		H621-728	H628-728	H629-728
Water 1.0 s.g.	0.5 – 4 GPM	2 – 15 LPM	H624-604	H626-604	H627-604	H625-604	H630-604	H620-604	H621-604	H628-604	H629-604
	1.0 – 7 GPM	4 – 26 LPM	H624-607	H626-607	H627-607	H625-607	H630-607	H620-607	H621-607	H628-607	H629-607
	1.0 – 10 GPM	4 – 35 LPM	H624-610	H626-610	H627-610	H625-610	H630-610	H620-610	H621-610	H628-610	H629-610
	1.0 – 16 GPM	5 – 60 LPM	H624-616	H626-616	H627-616	H625-616	H630-616	H620-616	H621-616	H628-616	H629-616
	3.0 – 18 GPM	15 – 65 LPM				H625-618	H630-618	H620-618	H621-618	H628-618	H629-618
	4.0 – 28 GPM	20 – 100 LPM				H625-628	H630-628	H620-628	H621-628	H628-628	H629-628
Air 1.0 s.g.	10– 45 SCFM	5 – 20 LPS	H624-504	H626-504	H627-504	H625-504	H630-504		H621-504		H629-504
	20– 70 SCFM	10 – 30 LPS	H624-507	H626-507	H627-507	H625-507	H630-507		H621-507		H629-507
	25– 100 SCFM	15 – 45 LPS	H624-510	H626-510	H627-510	H625-510	H630-510		H621-510		H629-510
	30– 150 SCFM	20 – 70 LPS	H624-516	H626-516	H627-516	H625-516	H630-516		H621-516		H629-516
	55– 170 SCFM	30 – 80 LPS				H625-518	H630-518		H621-518		H629-518
	75– 250 SCFM	35 – 110 LPS				H625-528	H630-528		H621-528		H629-528
DIMENSIONS:											
	Length ^④ in (mm)		7.75 (196.8)	7.75 (196.8)	7.75 (196.8)	8.25 (209.5)	8.25 (209.5)	7.75 (196.8)	5.25 (133.3)	8.46 (214.9)	8.86 (225.0)
	Fitting Flats in (mm)		1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	N/A	1.54 (39.1)	1.50 (38.1)
	Weight lb (kg)		0.95 (0.43)	0.85 (0.39)	0.95 (0.43)	0.90 (0.41)	0.90 (0.41)	0.75 (0.34)	0.20 (0.09)	0.35 (0.16)	0.55 (0.25)

① Fits 3/4" copper tube types K, L, M; 1" copper tube type M only.
② DO NOT use pipe dope. Use Teflon® tape only.
Use with plastic pipe fittings only.

③ Fits 1" Sch 40/80 PVC, CPVC pipe. Requires 1" pipe coupling.
④ Length includes end fittings.

NOTE: Flow switches and flow meters sold separately