

# EZ-VIEW FLOW METERS

## For Oil, Water & Other Fluids

- AVAILABLE IN 1/2", 3/4", & 1" NPT OR 3/4" & 1" SWEAT FITTINGS
- EZ TO INSTALL, IN ANY POSITION
- NO SPECIAL PIPING OR FLOW STRAIGHTENERS NEEDED
- NO ELECTRICAL CONNECTIONS
- DIRECT READING INDICATION
- ACCURACY WITHIN  $\pm 7\%$  F.S.
- RELATIVELY INSENSITIVE TO SHOCK AND VIBRATION
- RIBBED PISTON MODELS ACCOMMODATE SUSPENDED PARTICULATE, UP TO 400 MICRONS



### The Standard EZ-View Flow Meter

Featuring the unique Hedland variable-area metering design, with a spring-retained movable piston, the direct-reading EZ-View Flow Meter can be installed quickly, operating within  $\pm 7\%$  accuracy, in any position from vertical to horizontal, without costly flow straighteners or other special plumbing requirements.

Available in two different piston designs, the EZ-View offers a standard cylindrical walled piston for maximum visibility with opaque liquids, or a ribbed piston design to accommodate liquids containing suspended particulate, up to 400 microns.

Constructed of polysulfone and stainless steel for greater tolerance to pressure and temperature as well as chemical compatibility, this rugged flow meter is ideal for a wide range of liquid flow monitoring applications, including: oil lubrication, solar systems, process control, chemical processing, hydraulics and many more.

#### Specifications:

**Material** — Polysulfone Body and Piston with Stainless Steel Spring and #PH15-7MO Stainless Steel Retaining Rings.

**Pressure Rating** — 3:1 Safety Factor — See "Pressure vs. Temperature" Chart, below.

**Pressure Drop** — See  $\Delta P$  Chart, page 5.

**Temperature Rating** — See "Pressure vs. Temperature" Chart, below.

**Standard Scales** — Calibrated in graduated GPM and LPM or PPM @ .876 Specific Gravity (Oil) and @ 1.0 Specific Gravity (Water) at 70° F. Scales can be calibrated in other specific gravities and/or units of measurement, at a modest additional cost.

**Connections** — Standard 1" NPT Threaded Port is recommended for use with plastic pipe.

The 1" Nominal PVC Sweat Fitting, with Buna-N O-Ring, is for use with Schedule 40, 80 or 120 PVC Pipe Fittings.

The Swivel-type Brass Fittings, with Buna-N O-Rings, are available with 1/2" NPTF Female and 3/4" NPTF Male Threads, or 3/4" and 1" Nominal Sweat Fittings, and are offered to facilitate easy flow meter removal for routine maintenance.

### ORDERING INFORMATION

Media (Piston Type)	Flow Range	Model Number				
		3/4" or 1" ① Nominal Brass Sweat Fitting	1" Nominal PVC Sweat Fitting ②	1" ③ Male NPT Polysulfone	3/4" Male NPTF Brass	1/2" Female NPTF Brass
Oil (Standard Piston)	0.5 - 4 GPM	—	628-104	621-104	625-104	624-104
	1.0 - 7 GPM	—	628-107	621-107	625-107	624-107
	1.0 - 10 GPM	—	628-110	621-110	625-110	624-110
	.876 Sp. Gr.	—	628-116	621-116	625-116	624-116
	3.0 - 18 GPM	—	628-118	621-118	625-118	—
Water (Standard Piston)	0.5 - 4 GPM	620-004	628-004	621-004	625-004	624-004
	1.0 - 7 GPM	620-007	628-007	621-007	625-007	624-007
	1.0 - 10 GPM	620-010	628-010	621-010	625-010	624-010
	1.0 - 16 GPM	620-016	628-016	621-016	625-016	624-016
	4.0 - 18 GPM	620-018	628-018	621-018	625-018	—
1.0 Sp. Gr.	4.0 - 28 GPM	620-028	628-028	621-028	625-028	—
	4.0 - 28 GPM	620-028	628-028	621-028	625-028	—
Water (Ribbed Piston)	1.5 - 7 GPM	620-307	628-307	621-307	625-307	624-307
	3.0 - 10 GPM	620-310	628-310	621-310	625-310	624-310
	3.0 - 17 GPM	620-317	628-317	621-317	625-317	624-317
	1.0 Sp. Gr.	620-324	628-324	621-324	625-324	—
Hex	—	1.5"	1.5"	1.125"	1.5"	1.5"
Length in (mm)	—	7.8" (198 mm)	8.5" (216 mm)	5.3" (135 mm)	8.3" (211 mm)	7.8" (198 mm)
Weight	—	13 oz.	5 oz.	3 oz.	1 lb.	1 lb.

① Fits 3/4" Nominal (7/8" OD) or 1" Nominal (1-1/8" OD) Type M Copper Tubing.

② 1.315 OD and 0.935 ID for use with Schedule 40, 80 & 120 PVC Pipe Fittings.

③ DO NOT use pipe dope. Use Teflon tape only.

PRESSURE VS. TEMPERATURE  
EZ-VIEW

