

6000 PSI Flow Meters

For A.P.I. Oil / Caustic and Corrosive Liquids

- Direct reading
- Install in any position
- 360° Rotatable Guard/Scale
- Easier to Read Linear Scale
- No Flow Straighteners or Special Piping Required
- Insensitive to Shock and Vibration
- Good Viscosity Stability
- Temperature up to 240°F
- Accuracy $\pm 2\%$ Full Scale
- Repeatability $\pm 1\%$
- Special Scales Available



SPECIFICATIONS:

MATERIALS:

T316 Stainless body, piston and cone

COMMON PARTS:	Retaining Ring: T316 SS
Spider Plate: T316 SS	Retaining Spring: T316 SS
Spring: T316 SS	Indicator and Internal Magnet: PPS / Ceramic
Fasteners: T316 SS	Guard Seal / Bumper: Buna N
Pressure Seals: Viton®	Scale Support: 6063 - T6 Aluminum
Guard: Polycarbonate	End Caps: Nylon ST

THREADS: NPTF ANSI B2.2, BSPP ISO1179

TEMPERATURE RANGE: -20 to 240°F (-29 to 116°C) for higher temperatures consult factory

PRESSURE RATING:

Oil / Liquids Operating: 6,000 psi/414 bar max., (5,000 psi/345 bar max. for 3/4 to 1-1/2" Series) with a 3:1 safety factor.

Fatigue Rating: per NFPA T2.6.1R1-1991, (for details see page 7)

PRESSURE DROP: See Ordering Information Table, page 32. For detailed differential pressure charts, see page 51 for API Oil, and page 54 for Liquids.

ACCURACY: $\pm 2\%$ of full scale reading

REPEATABILITY: $\pm 1\%$

HOSTILE ENVIRONMENT OPTION SPECIFICATIONS:

MATERIALS:

T316 Stainless body, piston and cone

COMMON PARTS:	Retaining Ring: T316 SS
Spider Plate: T316 SS	Retaining Spring: T316 SS
Spring: T316 SS	Indicator: T416 SS
Fasteners: T316 SS	Bumper: T316 SS
Seals: Viton	Scale Support: T316 SS
End Caps: T316 SS	Guard: Cylindrical Pyrex™ glass
Internal Magnet: Teflon Coated Alnico 8	

TEMPERATURE RANGE: -20 to 400°F (-29 to 205°C) Continuous
400 to 500°F (205 to 260°C) Intermittent

For detailed "Pressure vs. Temperature" correlation information, see page 32.

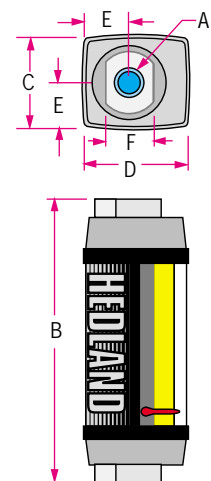
NOTE: See page 29 for dimensions and similar photo illustration.



DIMENSIONS:

A	B	C	D	E	F
NOMINAL PORT SIZE	LENGTH in (mm)	WIDTH in (mm)	DEPTH in (mm)	OFFSET in (mm)	FLATS in (mm)
1/4	4.8 (122)	1.68 (43)	1.90 (48)	.84 (21)	.88 (22)
1/2	6.6 (168)	2.07 (53)	2.40 (61)	1.04 (26)	1.25 (32)
3/4	7.2 (183)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)
1	7.2 (183)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)
1-1/4	12.2 (310)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)
1-1/2	12.2 (310)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)

NOTE: Weights for all sizes can be found on page 57.



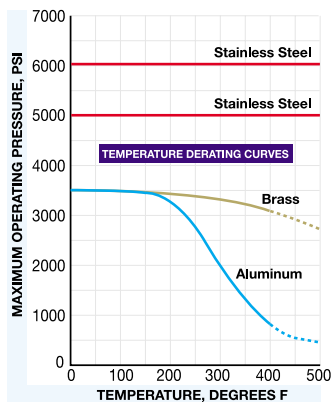
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ORDERING INFORMATION:

NOMINAL PORT SIZE	FLOW RANGE		PRESSURE DROP		MODEL NUMBER <i>(see example below*)</i>				HOSTILE ENVIRONMENT OPTION								
					API - OIL .876 (S.G.)		LIQUIDS 1.0 (S.G.)										
					NPTF	BSPP	NPTF	BSPP									
1/4	0.1 - 1.0 0.2 - 2.0	0.5 - 3.75 1 - 7.5	4.0 (.28) 6.0 (.41)	9.0 (.62) 13 (.90)	6000 PSI		6000 PSI		HE								
					H231X - 010 - † H231X - 020 - †	H232X - 010 - † H232X - 020 - †	H234X - 010 - † H234X - 020 - †	H235X - 010 - † H235X - 020 - †									
1/2	0.2 - 2.0 0.5 - 5.0 1 - 10 1 - 15	1 - 7.5 2 - 19 5 - 38 4 - 56	2.0 (.14) 3.0 (.21) 4.0 (.28) 6.0 (.45)	3.0 (.21) 6.0 (.41) 9.5 (.66) 18.5 (1.3)	6000 PSI		6000 PSI		HE								
					H631X - 002 - † H631X - 005 - † H631X - 010 - † H631X - 015 - †	H632X - 002 - † H632X - 005 - † H632X - 010 - † H632X - 015 - †	H634X - 002 - † H634X - 005 - † H634X - 010 - † H634X - 015 - †	H635X - 002 - † H635X - 005 - † H635X - 010 - † H635X - 015 - †									
					5000 PSI		5000 PSI			HE							
					H731X - 002 - † H731X - 005 - † H731X - 010 - † H731X - 020 - † H731X - 030 - †	H732X - 002 - † H732X - 005 - † H732X - 010 - † H732X - 020 - † H732X - 030 - †	H734X - 002 - † H734X - 005 - † H734X - 010 - † H734X - 020 - † H734X - 030 - †	H735X - 002 - † H735X - 005 - † H735X - 010 - † H735X - 020 - † H735X - 030 - †									
1	0.2 - 2.0 0.5 - 5.0 1 - 10 2 - 20 3 - 30 4 - 40	1 - 7.5 2 - 19 5 - 38 10 - 76 10 - 115 15 - 150	1.0 (.07) 2.5 (.17) 3.5 (.24) 4.0 (.28) 7.0 (.48) 9.0 (.62)	2.0 (.14) 3.5 (.24) 9.0 (.62) 9.0 (.62) 16.5 (1.1) 24 (1.7)	5000 PSI		SEE NOTE	5000 PSI		HE							
					H741X - 002 - † H741X - 005 - † H741X - 010 - † H741X - 020 - † H741X - 030 - † H741X - 040 - †	SEE NOTE		H744X - 002 - † H744X - 005 - † H744X - 010 - † H744X - 020 - † H744X - 030 - † H744X - 040 - †									
					5000 PSI			5000 PSI			HE						
					H831X - 030 - † H831X - 050 - † H831X - 075 - † H831X - 100 - †	H832X - 030 - † H832X - 050 - † H832X - 075 - † H832X - 100 - †		H834X - 030 - † H834X - 050 - † H834X - 075 - † H834X - 100 - †	H835X - 030 - † H835X - 050 - † H835X - 075 - † H835X - 100 - †								
					1-1/4	3 - 30 5 - 50 10 - 75 10 - 100		10 - 110 20 - 190 40 - 280 50 - 380	3.0 (.21) 3.5 (.24) 5.0 (.35) 6.5 (.45)		4.0 (.28) 7.0 (.48) 10.5 (.72) 15 (1.0)	5000 PSI		SEE NOTE	5000 PSI		HE
												H841X - 030 - † H841X - 050 - † H841X - 075 - † H841X - 100 - †	SEE NOTE		H844X - 030 - † H844X - 050 - † H844X - 075 - † H844X - 100 - †		
5000 PSI		5000 PSI		HE													
H881X - 030 - † H881X - 050 - † H881X - 075 - † H881X - 100 - †	SEE NOTE		H884X - 030 - † H884X - 050 - † H884X - 075 - † H884X - 100 - †														

Note: Consult factory for availability.



(example) H731X - 030 - HE

PETROLEUM FLUIDS
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WATER AND OTHER LIQUIDS
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FLOW ALERT FLOW SWITCHES
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FLOW TRANSMITTERS
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