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
- Relatively insensitive to shock and vibration
- Good viscosity stability
- Temperature up to 240 °F
- Accuracy ±2% full scale
- Repeatability ±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.

For High Cycle Applications: See page 7

PRESSURE DROP: See Ordering Information Table, page 32.

For detailed differential pressure charts, see page 59 for API Oil,

and page 58 for Liquids.

ACCURACY: ±2% of full scale REPEATABILITY: ±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.

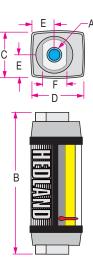
NOTE: See page 29 for dimensions and similar photo illustration.

DIMENSIONS:

Α	В	С	D	Е	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)	1.75 (44)
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 73.

Pyrex is a registered trademark of Corning, Inc. Teflon is a registered trademark of E.I. DuPont de Nemours & Co. Viton is a registered trademark of DuPont Dow Elastomers





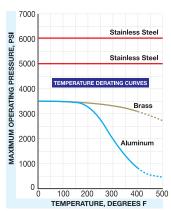
6000 PSI Flow Meters

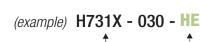
For A.P.I. Oil / Caustic and Corrosive Liquids

ORDERING INFORMATION:

NOMINAL	FL0W	V RANGE PRESSU		RESSURE DROP MODEL NUMBER		MODEL NUMBER	(see example below)		HOSTILE
PORT	GPM	LPM	50% FLOW	100% FLOW	API - OIL .876 (S.G.)		LIQUIDS 1.0 (S.G.)		ENVIRONMENT
SIZE	urivi	LFIVI	PSI (BAR)	PSI (BAR)	NPTF	BSPP	NPTF	BSPP	OPTION
					6000 PSI	6000 PSI	6000 PSI	6000 PSI	
1/4"	0.1 - 1.0	0.5 - 3.75	` '	9.0 (.62)	H231X - 010 - †	H232X - 010 - †	H234X - 010 - †	H235X - 010 - †	HE
	0.2 - 2.0	1 - 7.5	6.0 (.41)	13.0 (.90)	H231X - 020 - †	H232X - 020 - †	H234X - 020 - †	H235X - 020 - †	
			00/44	0.0 (04)	6000 PSI	6000 PSI	6000 PSI	6000 PSI	
	0.2 - 2.0	1 - 7.5	2.0 (.14)	3.0 (.21)	H631X - 002 - †	H632X - 002 - †	H634X - 002 - †	H635X - 002 - †	1.05
1/2"	0.5 - 5.0	2-19	3.0 (.21)	6.0 (.41)	H631X - 005 - †	H632X - 005 - †	H634X - 005 - †	H635X - 005 - †	HE
	1 - 10	5 - 38	4.0 (.28)	9.5 (.66)	H631X - 010 - †	H632X - 010 - †	H634X - 010 - †	H635X - 010 - †	
	1 - 15	4 - 56	6.0 (.41)	18.5 (1.3)	H631X - 015 - †	H632X - 015 - †	H634X - 015 - †	H635X - 015 - †	
			4 0 (0 7)	00(10)	5000 PSI	5000 PSI	5000 PSI	5000 PSI	
	0.2 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H731X - 002 - †	H732X - 002 - †	H734X - 002 - †	H735X - 002 - †	
3/4"	0.5 - 5.0	2-19	2.5 (.17)	3.5 (.24)	H731X - 005 - †	H732X - 005 - †	H734X - 005 - †	H735X - 005 - †	HE
0,1	1 - 10	5-38	3.5 (.24)	9.0 (.62)	H731X - 010 - †	H732X - 010 - †	H734X - 010 - †	H735X - 010 - †	
	2 - 20	10 - 76	4.0 (.28)	9.0 (.62)	H731X - 020 - †	H732X - 020 - †	H734X - 020 - †	H735X - 020 - †	
	3 - 30	10 - 115	7.0 (.48)	16.5 (1.1)	H731X - 030 - †	H732X - 030 - †	H734X - 030 - †	H735X - 030 - †	
					5000 PSI	5000 PSI	5000 PSI	5000 PSI	
	0.2 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H741X - 002 - †	H742X - 002 - †	H744X - 002 - †	H745X - 002 - 🕇	
	0.5 - 5.0	2 - 19	2.5 (.17)	3.5 (.24)	H741X - 005 - †	H742X - 005 - 🕇	H744X - 005 - 🕇	H745X - 005 - 🕇	1.00
1"	1 - 10	5 - 38	3.5 (.24)	9.0 (.62)	H741X - 010 - †	H742X - 010 - 🕇	H744X - 010 - †	H745X - 010 - 🕇	HE
	2 - 20	10 - 76	4.0 (.28)	9.0 (.62)	H741X - 020 - †	H742X - 020 - 🕇	H744X - 020 - †	H745X - 020 - 🕇	
	3 - 30	10 - 115	7.0 (.48)	16.5 (1.1)	H741X - 030 - †	H742X - 030 - 🕇	H744X - 030 - †	H745X - 030 - 🕇	
	4 - 40	15 - 150	9.0 (.62)	24.0 (1.7)	H741X - 040 - †	H742X - 040 - †	H744X - 040 - †	H745X - 040 - †	
	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	5000 PSI H831X - 030 - †	5000 PSI H832X - 030 - †	5000 PSI H834X - 030 - †	5000 PSI H835X - 030 - †	
4 4 / 4 / 1	5 - 50	20 - 190	3.5 (.24)	7.0 (.48)	H831X - 050 - †	H832X - 050 - †	H834X - 050 - †	H835X - 050 - †	UE.
1-1/4"	10 - 75	40 - 280	5.0 (.24)	10.5 (.72)	H831X - 075 - †	H832X - 075 - †	H834X - 050 - T	H835X - 075 - †	HE
	10 - 73	50 - 380	6.5 (.45)	15.0 (1.0)	H831X - 100 - †	H832X - 100 - †	H834X - 100 - †	H835X - 100 - †	
	10 - 100	30 - 300	0.5 (.45)	13.0 (1.0)	-	5000 PSI		-	
	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	5000 PSI H841X - 030 - †	H842X - 030 - †	5000 PSI H844X - 030 - †	5000 PSI H845X - 030 - †	
1-1/2"	5 - 50	20 - 190	3.5 (.24)	7.0 (.48)	H841X - 050 - †	H842X - 050 - †	H844X - 050 - †	H845X - 050 - †	HE
1-1/2	10 - 75	40 - 280	5.0 (.35)	10.5 (.72)	H841X - 075 - †	H842X - 075 - †	H844X - 075 - †	H845X - 075 - †	1112
	10 - 100	50 - 380	6.5 (.45)	15.0 (1.0)	H841X - 100 - †	H842X - 100 - †	H844X - 100 - †	H845X - 100 - †	
		1	()	()				113 10/1 100	

NOTE: Consult factory for availability.





CONTINUOUS TEMPERATURE

INTERMITTENT TEMPERATURE









