

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 116°C (240 °F)
- Accuracy ±2% full scale
- Repeatability ±1%
- Special scales available



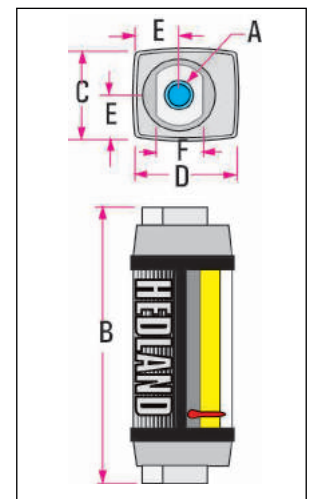
Technical data

Materials	T316 Stainless body, piston and cone
Common parts	
Spider plate: T316 SS Spring: T316 SS Fasteners: T316 SS Guard seal / Bumper: Buna N Guard: Polycarbonate End caps: Nylon ST	Retaining ring: T316 SS Retaining spring: T316 SS Indicator and internal magnet: PPS / ceramic pressure Seals: Viton® Scale support: 6063 - T6 aluminum
Threads	NPTF ANSI B2.2, BSPP ISO1179
Temperature range	-29 to +116 °C (-20 to +240 °F) for higher temperatures, consult factory
Pressure rating	
Oil / liquids operating	6,000 psi/414 bar max. (5,000 psi/345 bar max for ¾" to 1½" series) with a 3:1 safety factor. For high cycle applications, see page conversion information.
Pressure drop	See ordering information table next page. Detailed differential pressure charts, see page 62.
Accuracy	±2% of full scale, ±7% of full scale for ¼" meters
Repeatability	±1%
Hostile environment option specifications	
Materials	T316 stainless body, piston and cone
Comon parts	
Spider plate: T316 SS Spring: T316 SS Fasteners: T316 SS Bumper: T316 SS Seals: Viton® End caps: T316 SS	Retaining ring: T316 SS Retaining spring: T316 SS Indicator: T416 SS Scale support: T316 SS Guard: Cylindrical Pyrex® glass Internal magnet: Teflon® Coated Alnico 8
Temperature range	-29 to +205 °C (-20 to +400 °F) continuous +205 to +260 °C (+400 to +500 °F) intermittent For detailed "Pressure vs. temperature" correlation information, see next page.



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)
¼	4.8 (122)	1.68 (43)	1.90 (48)	.84 (21)	.88 (22)
½	6.6 (168)	2.07 (53)	2.40 (61)	1.04 (26)	1.25 (32)
¾	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)
1¼	12.2 (310)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)
1½	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 80.

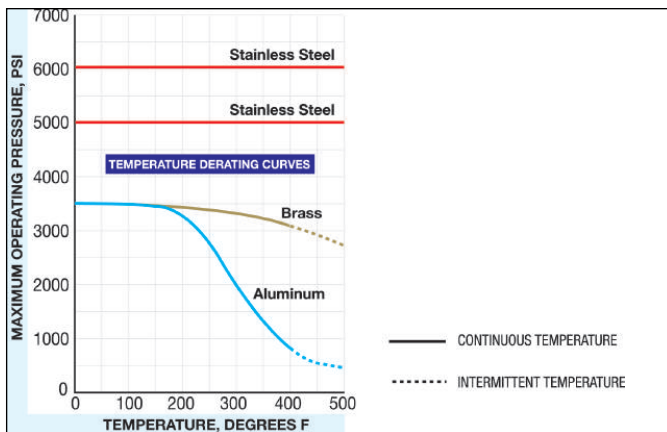
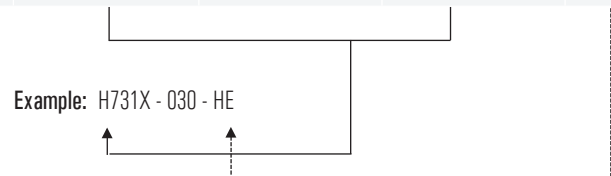
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Ordering information

Nominal port size	Flow range		Pressure drop		Model number (see example below)				Hostile environment option ♦		
	gal/min	l/min	50% flow psi (bar)	100% flow psi (bar)	API - oil .876 (S.G.)		Liquids 1.0 (S.G.)				
					NPTF	BSPP	NPSF	BSPP			
¼"	0.1 - 1.0 0.2 - 2.0	0.5 - 3.75 1 - 7.5	4.0 (.28) 6.0 (.41)	9.0 (.62) 13.0 (.90)	6000 psi		6000 psi		HE		
					H231X - 010 - ♦ H231X - 020 - ♦	H232X - 010 - ♦ H232X - 020 - ♦	H234X - 010 - ♦ H234X - 020 - ♦	H235X - 010 - ♦ H235X - 020 - ♦			
½"	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) 6.5 (.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 - ♦			
¾"	0.2 - 2.0 0.5 - 5.0 1 - 10 2 - 20 3 - 30	1 - 7.5 2 - 19 5 - 38 10 - 76 10 - 115	1.0 (.07) 2.5 (.17) 3.5 (.24) 4.0 (.28) 7.0 (.48)	2.0 (.14) 3.5 (.24) 9.0 (.62) 9.0 (.62) 16.5 (1.1)	5000 psi		5000 psi		HE		
					H741X - 002 - ♦ H741X - 005 - ♦ H741X - 010 - ♦ H741X - 020 - ♦ H741X - 030 - ♦ H741X - 040 - ♦	H742X - 002 - ♦ H742X - 005 - ♦ H742X - 010 - ♦ H742X - 020 - ♦ H742X - 030 - ♦ H742X - 040 - ♦	H744X - 002 - ♦ H744X - 005 - ♦ H744X - 010 - ♦ H744X - 020 - ♦ H744X - 030 - ♦ H744X - 040 - ♦	H745X - 002 - ♦ H745X - 005 - ♦ H745X - 010 - ♦ H745X - 020 - ♦ H745X - 030 - ♦ H745X - 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 - ♦			
					5000 psi		5000 psi				HE
					H841X - 030 - ♦ H841X - 050 - ♦ H841X - 075 - ♦ H841X - 100 - ♦	H842X - 030 - ♦ H842X - 050 - ♦ H842X - 075 - ♦ H842X - 100 - ♦	H844X - 030 - ♦ H844X - 050 - ♦ H844X - 075 - ♦ H844X - 100 - ♦	H845X - 030 - ♦ H845X - 050 - ♦ H845X - 075 - ♦ H845X - 100 - ♦			

Note: Consult factory for availability.



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