

3500/6000 PSI High Temperature

Flow Meters For Water and Other 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 500 °F
- Accuracy $\pm 2\%$ full scale
- Repeatability $\pm 1\%$
- Special scales available
- Calibrated for 1.0 S.G.

SPECIFICATIONS:

MATERIALS:

C360 Brass body, piston and cone

T303 Stainless body, C360 Brass piston and cone

COMMON PARTS:

Spider Plate: T316 SS

Spring: T302 SS

Fasteners: T303 SS

Seals: Viton®

Scale Support: T316 SS

Scale: Polyimide

Retaining Ring: T316 SS

Retaining Spring: T316 SS

Indicator: Nickel-plated Carbon Steel

Internal Magnet: Teflon® Coated Alnico 8

Bumper: 2011 - T3 Anodized Aluminum

Guard: Cylindrical Pyrex® Glass

End Caps: 2011 - T3 Anodized Aluminum

THREADS: SAE J1926/1, NPTF ANSI B2.2, BSPP ISO1179

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 36.

PRESSURE RATING:

Brass Operating: 3,500 psi/241 bar max. with a 3:1 safety factor.

For High Cycle Applications: See page 7

Stainless Steel 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 7

PRESSURE DROP: See Ordering Information Table, page 36.

For detailed differential pressure charts, see page 64.

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

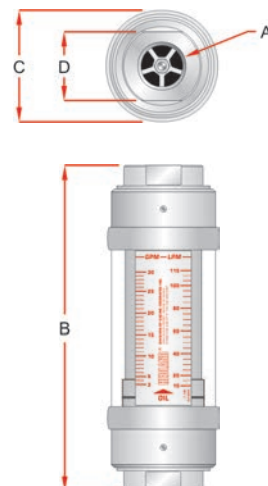
REPEATABILITY: $\pm 1\%$



DIMENSIONS:

A	B	C	D
NOMINAL PORT SIZE	LENGTH in (mm)	WIDTH in (mm)	FLATS in (mm)
¼ (SAE 6)	6.60 (168)	2.01 (53)	1.25 (32)
½ (SAE 10)	6.60 (168)	2.01 (53)	1.25 (32)
¾ (SAE 12)	7.20 (183)	2.48 (63)	1.50 (38)
1 (SAE 16)	7.20 (183)	2.48 (63)	1.75 (44)
1¼ (SAE 20)	12.20 (310)	4.20 (105)	2.75 (70)
1½ (SAE 24)	12.20 (310)	4.20 (105)	2.75 (70)

NOTE: Weights for all sizes can be found on page 79.



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Viton is a registered trademark of DuPont Dow Elastomers

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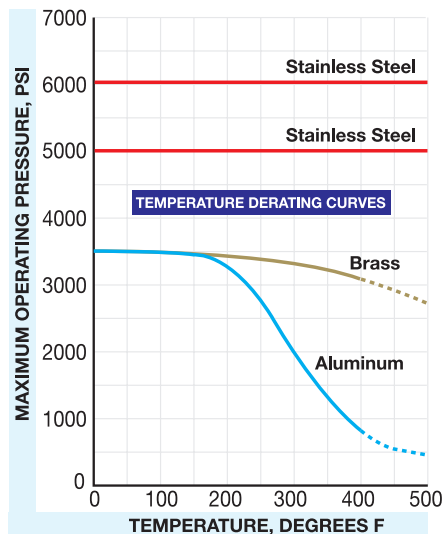
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ORDERING INFORMATION:

NOMINAL PORT SIZE ^②	FLOW RANGE		PRESSURE DROP		MODEL NUMBER (see example below)			MATERIAL	
	GPM	LPM	50% FLOW PSI (BAR)	100% FLOW PSI (BAR)	SAE	NPTF	BSPP ^③	BRASS 3500 PSI	STAINLESS
¼" SAE 6	0.1 - 1.0	0.5 - 3.75	4.0 (.28)	9.0 (.62)	H204 * - 010 - HT	H205 * - 010 - HT	H206 * - 010 - HT	B	6000 PSI S
	0.2 - 2.0	1 - 7.5	6.0 (.41)	13.0 (.90)	H204 * - 020 - HT	H205 * - 020 - HT	H206 * - 020 - HT		
½" SAE 10	0.1 - 1.0	0.5 - 3.75	2.0 (.14)	2.75 (.19)	H604 * - 001 - HT	H605 * - 001 - HT	H606 * - 001 - HT	B	6000 PSI S
	0.2 - 2.0	1 - 7.5	2.0 (.14)	3.0 (.21)	H604 * - 002 - HT	H605 * - 002 - HT	H606 * - 002 - HT		
	0.5 - 5.0	2 - 19	3.0 (.21)	6.0 (.41)	H604 * - 005 - HT	H605 * - 005 - HT	H606 * - 005 - HT		
	1 - 10	5 - 38	4.0 (.28)	9.5 (.66)	H604 * - 010 - HT	H605 * - 010 - HT	H606 * - 010 - HT		
	1 - 15	4 - 56	6.5 (.45)	18.5 (1.3)	H604 * - 015 - HT	H605 * - 015 - HT	H606 * - 015 - HT		
¾" SAE 12	0.2 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H704 * - 002 - HT	H705 * - 002 - HT	H706 * - 002 - HT	B	5000 PSI S
	0.5 - 5.0	2 - 19	2.5 (.17)	3.5 (.24)	H704 * - 005 - HT	H705 * - 005 - HT	H706 * - 005 - HT		
	1 - 10	5 - 38	3.5 (.24)	9.0 (.62)	H704 * - 010 - HT	H705 * - 010 - HT	H706 * - 010 - HT		
	2 - 20	10 - 76	4.0 (.28)	9.0 (.62)	H704 * - 020 - HT	H705 * - 020 - HT	H706 * - 020 - HT		
	3 - 30	10 - 115	7.0 (.48)	16.5 (1.1)	H704 * - 030 - HT	H705 * - 030 - HT	H706 * - 030 - HT		
1" SAE 16	0.2 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H754 * - 002 - HT	H755 * - 002 - HT	H756 * - 002 - HT	B	5000 PSI S
	0.5 - 5.0	2 - 19	2.5 (.17)	3.5 (.24)	H754 * - 005 - HT	H755 * - 005 - HT	H756 * - 005 - HT		
	1 - 10	5 - 38	3.5 (.24)	9.0 (.62)	H754 * - 010 - HT	H755 * - 010 - HT	H756 * - 010 - HT		
	2 - 20	10 - 76	4.0 (.28)	9.0 (.62)	H754 * - 020 - HT	H755 * - 020 - HT	H756 * - 020 - HT		
	3 - 30	10 - 115	7.0 (.48)	16.5 (1.1)	H754 * - 030 - HT	H755 * - 030 - HT	H756 * - 030 - HT		
	4 - 40	15 - 150	9.0 (.62)	24.0 (1.7)	H754 * - 040 - HT	H755 * - 040 - HT	H756 * - 040 - HT		
	5 - 50	20 - 190	12.5 (.86)	34.0 (2.3)	H754 * - 050 - HT	H755 * - 050 - HT	H756 * - 050 - HT		
1¼" SAE 20	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	H804 * - 030 - HT	H805 * - 030 - HT	H806 * - 030 - HT	B	5000 PSI S
	5 - 50	20 - 190	3.5 (.24)	7.0 (.48)	H804 * - 050 - HT	H805 * - 050 - HT	H806 * - 050 - HT		
	10 - 75	40 - 280	5.0 (.35)	10.5 (.72)	H804 * - 075 - HT	H805 * - 075 - HT	H806 * - 075 - HT		
	10 - 100	50 - 380	6.5 (.45)	15.0 (1.0)	H804 * - 100 - HT	H805 * - 100 - HT	H806 * - 100 - HT		
	10 - 150	50 - 560	10.5 (.72)	27.5 (1.9)	H804 * - 150 - HT	H805 * - 150 - HT	H806 * - 150 - HT		
1½" SAE 24	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	H854 * - 030 - HT	H855 * - 030 - HT	H856 * - 030 - HT	B	5000 PSI S
	5 - 50	20 - 190	3.5 (.24)	7.0 (.48)	H854 * - 050 - HT	H855 * - 050 - HT	H856 * - 050 - HT		
	10 - 75	40 - 280	5.0 (.35)	10.5 (.72)	H854 * - 075 - HT	H855 * - 075 - HT	H856 * - 075 - HT		
	10 - 100	50 - 380	6.5 (.45)	15.0 (1.0)	H854 * - 100 - HT	H855 * - 100 - HT	H856 * - 100 - HT		
	10 - 150	50 - 560	10.5 (.72)	27.5 (1.9)	H854 * - 150 - HT	H855 * - 150 - HT	H856 * - 150 - HT		

① Fractional sizes apply to NPTF and BSPP.

(example) H 705 **B** - 030 - HT



NOTE: HT suffix represents standard high temperature configuration.