

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
- 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: Vitor®

Scale Support: T316 SS

Scale: Polymide

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 30.

PRESSURE RATING:

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

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

Stainless Steel 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 30. For detailed

differential pressure charts, see page 54.

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

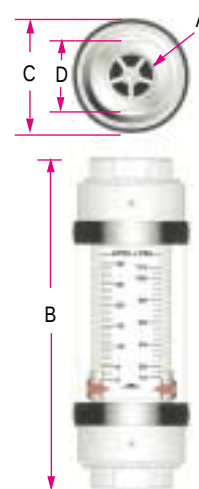
REPEATABILITY: $\pm 1\%$



DIMENSIONS:

A	B	C	D
NOMINAL PORT SIZE	LENGTH in (mm)	WIDTH in (mm)	FLATS in (mm)
1/4 (SAE 6)	6.60 (168)	2.01 (53)	1.25 (32)
1/2 (SAE10)	6.60 (168)	2.01 (53)	1.25 (32)
3/4 (SAE 12)	7.20 (183)	2.48 (63)	1.50 (38)
1 (SAE 16)	7.20 (183)	2.48 (63)	1.50 (38)
1-1/4 (SAE 20)	12.20 (310)	4.20 (105)	2.75 (70)
1-1/2 (SAE 24)	12.20 (310)	4.20 (105)	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 (see example below*)			MATERIAL	
	GPM	LPM	50% FLOW PSI (BAR)	100% FLOW PSI (BAR)	SAE	NPTF	BSPP	BRASS 3500 PSI	STAINLESS
1/4 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
	0.2 - 2.0	1.0 - 7.5	6.0 (.41)	13 (.90)	H204 * - 020 - HT	H205 * - 020 - HT	H206 * - 020 - HT		
1/2 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
	0.2 - 2.0	1.0 - 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		
3/4 SAE 12	.25 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H704 * - 002 - HT	H705 * - 002 - HT	H706 * - 002 - HT	B	5000 PSI
	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	.25 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H754 * - 002 - HT	H755 * - 002 - HT	H756 * - 002 - HT	B	5000 PSI
	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 (1.7)	H754 * - 040 - HT	H755 * - 040 - HT	H756 * - 040 - HT		
	5 - 50	20 - 190	12.5 (.86)	34 (2.3)	H754 * - 050 - HT	H755 * - 050 - HT	H756 * - 050 - HT		
1-1/4 SAE 20	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	H804 * - 030 - HT	H805 * - 030 - HT	H806 * - 030 - HT	B	5000 PSI
	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 (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		
1-1/2 SAE 24	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	H854 * - 030 - HT	H855 * - 030 - HT	H856 * - 030 - HT	B	5000 PSI
	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		

(example) H 705 * B - 030 - HT

NOTE: HT suffix represents standard high temperature configuration.

