

# 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:

<b>Spider Plate:</b> T316 SS	<b>Retaining Ring:</b> T316 SS
<b>Spring:</b> T302 SS	<b>Retaining Spring:</b> T316 SS
<b>Fasteners:</b> T303 SS	<b>Indicator:</b> Nickel-plated Carbon Steel
<b>Seals:</b> Viton®	<b>Internal Magnet:</b> Teflon Coated Alnico 8
<b>Scale Support:</b> T316 SS	<b>Bumper:</b> 2011 - T3 Anodized Aluminum
<b>Scale:</b> Polyimide	<b>Guard:</b> Cylindrical Pyrex™ Glass
	<b>End Caps:</b> 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

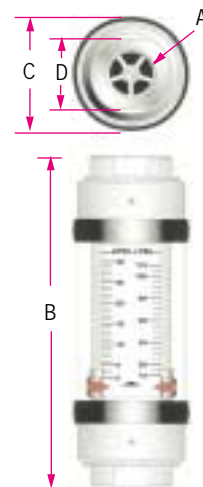
**REPEATABILITY:**  $\pm 1\%$



## 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.

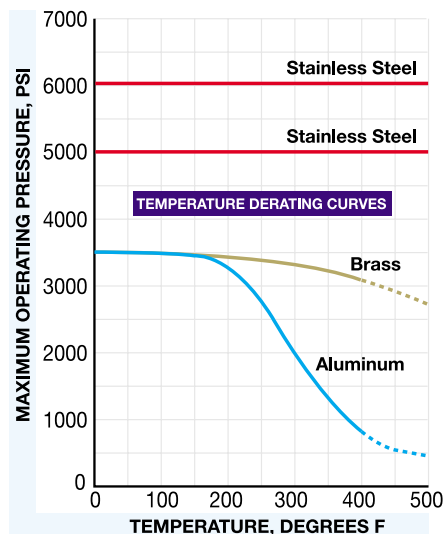


# 3500/6000 PSI High Temperature Flow Meters For Water and Other Liquids

## ORDERING INFORMATION:

NOMINAL PORT SIZE	FLOW RANGE		PRESSURE DROP		MODEL NUMBER <i>(see example below*)</i>			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 S
	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 S
	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 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	.25 - 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 (1.7)	H754 * - 040 - HT	H755 * - 040 - HT	H756 * - 040 - 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 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 (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 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		

(example) H 705 <sup>\*</sup>B - 030 - HT



NOTE: HT suffix represents standard high temperature configuration.