

3500/6000 PSI 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 240 °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

Pressure Seals: Viton[®]

Guard: Polycarbonate

Retaining Ring: T316 SS

Retaining Spring: T316 SS

Indicator and Internal Magnet: PPS / Ceramic

Guard Seal / Bumper: Buna N

Scale Support: 6063 - T6 Aluminum

End Caps: Nylon ST

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

TEMPERATURE RANGE: -20 to +240 °F (-29 to +116 °C) for higher temp. meters, see page 35.

PRESSURE RATING:

Brass Operating: 3,500 psi/241 bar max. (800 psi/55 bar max. for 3" series) 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 34.

For detailed differential pressure charts, see page 64.

ACCURACY: $\pm 2\%$ of full scale, $\pm 7\%$ of full scale for ¼" meters **REPEATABILITY:** $\pm 1\%$

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 (SAE 6)	4.8 (122)	1.68 (43)	1.90 (48)	.84 (21)	.88 (22)
½ (SAE 10)	6.6 (168)	2.07 (53)	2.40 (61)	1.04 (26)	1.25 (32)
¾ (SAE 12)	7.2 (183)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)
1 (SAE 16)	7.2 (183)	2.48 (63)	2.85 (72)	1.24 (32)	1.75 (44)
1¼ (SAE 20)	12.2 (310)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)
1½ (SAE 24)	12.2 (310)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)

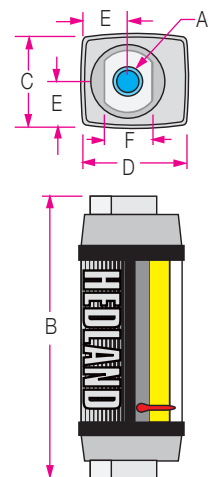
NOTE: Dimensions for 3" can be found on page 78.

Weights for all sizes can be found on page 79.

[Ⓟ]3 inch models have Celcon[®] piston/piston ring

Celcon is a registered trademark of Hoechst Celanese Corp.

Viton is a registered trademark of DuPont Dow Elastomers



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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	.02 - 0.2	0.1 - 0.75	3.5 (.24)	4.0 (.28)	H204 * - 002	H205 * - 002	H206 * - 002	B	6000 PSI S
	.05 - 0.5	0.2 - 1.9	3.0 (.21)	5.0 (.35)	H204 * - 005	H205 * - 005	H206 * - 005		
	0.1 - 1.0	0.5 - 3.75	4.0 (.28)	9.0 (.62)	H204 * - 010	H205 * - 010	H206 * - 010		
	0.2 - 2.0	1 - 7.5	6.0 (.41)	13 (.90)	H204 * - 020	H205 * - 020	H206 * - 020		
½" SAE 10	0.1 - 1.0	0.5 - 3.75	2.0 (.14)	2.75 (.19)	H604 * - 001	H605 * - 001	H606 * - 001	B	6000 PSI S
	0.2 - 2.0	1 - 7.5	2.0 (.14)	3.0 (.21)	H604 * - 002	H605 * - 002	H606 * - 002		
	0.5 - 5.0	2 - 19	3.0 (.21)	6.0 (.41)	H604 * - 005	H605 * - 005	H606 * - 005		
	1 - 10	5 - 38	4.0 (.28)	9.5 (.66)	H604 * - 010	H605 * - 010	H606 * - 010		
	1 - 15	4 - 56	6.5 (.45)	18.5 (1.3)	H604 * - 015	H605 * - 015	H606 * - 015		
¾" SAE 12	0.2 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H704 * - 002	H705 * - 002	H706 * - 002	B	5000 PSI S
	0.5 - 5.0	2 - 19	2.5 (.17)	3.5 (.24)	H704 * - 005	H705 * - 005	H706 * - 005		
	1 - 10	5 - 38	3.5 (.24)	9.0 (.62)	H704 * - 010	H705 * - 010	H706 * - 010		
	2 - 20	10 - 76	4.0 (.28)	9.0 (.62)	H704 * - 020	H705 * - 020	H706 * - 020		
	3 - 30	10 - 115	7.0 (.48)	16.5 (1.1)	H704 * - 030	H705 * - 030	H706 * - 030		
1" SAE 16	0.2 - 2.0	1 - 7.5	1.0 (.07)	2.0 (.14)	H754 * - 002	H755 * - 002	H756 * - 002	B	5000 PSI S
	0.5 - 5.0	2 - 19	2.5 (.17)	3.5 (.24)	H754 * - 005	H755 * - 005	H756 * - 005		
	1 - 10	5 - 38	3.5 (.24)	9.0 (.62)	H754 * - 010	H755 * - 010	H756 * - 010		
	2 - 20	10 - 76	4.0 (.28)	9.0 (.62)	H754 * - 020	H755 * - 020	H756 * - 020		
	3 - 30	10 - 115	7.0 (.48)	16.5 (1.1)	H754 * - 030	H755 * - 030	H756 * - 030		
	4 - 40	15 - 150	9.0 (.62)	24 (1.7)	H754 * - 040	H755 * - 040	H756 * - 040		
1¼" SAE 20	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	H804 * - 030	H805 * - 030	H806 * - 030	B	5000 PSI S
	5 - 50	20 - 190	3.5 (.24)	7.0 (.48)	H804 * - 050	H805 * - 050	H806 * - 050		
	10 - 75	40 - 280	5.0 (.35)	10.5 (.72)	H804 * - 075	H805 * - 075	H806 * - 075		
	10 - 100	50 - 380	6.5 (.45)	15.0 (1.0)	H804 * - 100	H805 * - 100	H806 * - 100		
	10 - 150	50 - 560	10.5 (.72)	27.5 (1.9)	H804 * - 150	H805 * - 150	H806 * - 150		
1½" SAE 24	3 - 30	10 - 110	3.0 (.21)	4.0 (.28)	H854 * - 030	H855 * - 030	H856 * - 030	B	5000 PSI S
	5 - 50	20 - 190	3.5 (.24)	7.0 (.48)	H854 * - 050	H855 * - 050	H856 * - 050		
	10 - 75	40 - 280	5.0 (.35)	10.5 (.72)	H854 * - 075	H855 * - 075	H856 * - 075		
	10 - 100	50 - 380	6.5 (.45)	15.0 (1.0)	H854 * - 100	H855 * - 100	H856 * - 100		
	10 - 150	50 - 560	10.5 (.72)	27.5 (1.9)	H854 * - 150	H855 * - 150	H856 * - 150		
3"	5 - 50	20 - 190	.50 (.03)	.75 (.05)	Not Available	H905 * - 050	H906 * - 050	B	800 PSI Not Available
	10 - 100	40 - 360	1.40 (.10)	2.25 (1.6)		H905 * - 100	H906 * - 100		
	30 - 150	125 - 575	3.25 (.22)	5.25 (.36)		H905 * - 150	H906 * - 150		
	20 - 275	100 - 1000	11.0 (.76)	18 (1.2)		H905 * - 275	H906 * - 275		

②Fractional sizes apply to NPTF and BSPP.

③3 inch models have BSPT (BS21) threads

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