

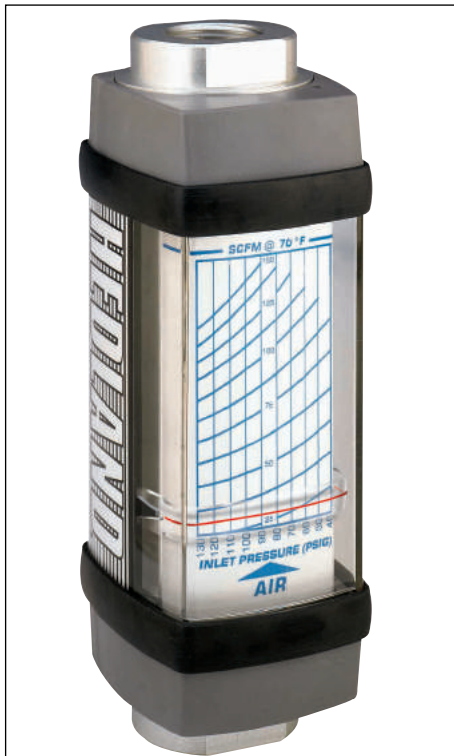
1000/1500 PSI flow meters

For air and other compressed gases

- 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
- Temperature up to 116°C (240 °F)
- Accuracy ±2% full scale
- Repeatability ±1%
- Special scales available
- Calibrated for 1.0 S.G.

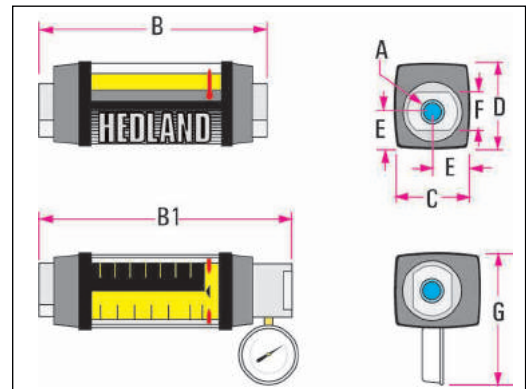
Technical data

Materials	2024 - T351 anodized aluminum body, piston and cone C360 brass body piston and cone ^① , T303 stainless body, 2024 - T351 anodized aluminum 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	-29 to +116 °C (-20 to +240 °F) For higher temperatures, consult factory.
Pressure rating	
Aluminum / brass operating	1,000 psi/69 bar max. (250 psi/17 bar max. for 3" series) with a 10:1 safety factor. For high cycle applications see page conversion information.
Stainless steel operating	1,500 psi/103 bar max. with a 10:1 safety factor. For high cycle applications, see page conversion information.
Pressure drop	See ordering information table next page. For detailed differential pressure charts, see page 62.
Accuracy	±2% of full scale, ±7% of full scale for ¼" meters
Repeatability	±1%



Standard product

Standard product with EP & EG option



Dimensions

	A	B	B1	C	D	E	F	G
Nominal port size	Length in (mm)	Length in (mm)	Length in (mm)	Width in (mm)	Depth in (mm)	Offset in (mm)	Flats in (mm)	Height in (mm)
¼ (SAE 6)	4.8 (122)	6.12 (155)	1.68 (43)	1.90 (48)	.84 (21)	.88 (22)	5.0 (127)	
½ (SAE 10)	6.6 (168)	8.00 (203)	2.07 (53)	2.40 (61)	1.04 (26)	1.25 (32)	5.4 (137)	
¾ (SAE 12)	7.2 (183)	8.9 (226)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)	5.9 (150)	
1 (SAE 16)	7.2 (183)	8.9 (226)	2.48 (63)	2.85 (72)	1.24 (32)	1.75 (44)	5.9 (150)	
1½ (SAE 20)	12.2 (310)	13.8 (351)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)	7.2 (183)	
2 (SAE 24)	12.2 (310)	13.8 (351)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)	7.2 (183)	

Note: Dimensions for 3" meters can be found on page 79.

Weights for all sizes can be found on page 80.

^① 3 inch models have Celcon[®] piston/piston ring

1000/1500 PSI flow meters

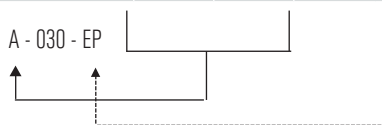
For air and other compressed gases

Ordering information

Nominal port size ^②	Flow range		Pressure drop		Model number (see example below)			Material [⌘]			Options [◆]	
	③ SCFM	④ l/sec	50% flow psi (bar)	100% flow psi (bar)	SAE	NPTF	BSPP ^⑤	Aluminium 1000 psi	Brass 1000 psi	Stainless 1500 psi	Ex-tended cap plugged ^⑥	Extended cap with gauge ^⑥
¼" SAE 6	0.5 - 5	0.2 - 2.2	2.51 (0.17)	4.45 (0.31)	H270 ⌘ - 005 - ◆	H271 ⌘ - 005 - ◆	H272 ⌘ - 005 - ◆	A	B	S	EP	EG
	1 - 10	0.5 - 4.75	9.29 (0.64)	16.46 (1.13)	H270 ⌘ - 010 - ◆	H271 ⌘ - 010 - ◆	H272 ⌘ - 010 - ◆					
	2 - 20	1 - 9	10.15 (0.70)	18.71 (1.29)	H270 ⌘ - 020 - ◆	H271 ⌘ - 020 - ◆	H272 ⌘ - 020 - ◆					
	3 - 30	1.5 - 14	13.75 (0.95)	26.23 (1.81)	H270 ⌘ - 030 - ◆	H271 ⌘ - 030 - ◆	H272 ⌘ - 030 - ◆					
½" SAE 10	3 - 25	2 - 12	3.73 (0.26)	6.10 (0.42)	H670 ⌘ - 025 - ◆	H671 ⌘ - 025 - ◆	H672 ⌘ - 025 - ◆	A	B	S	EP	EG
	5 - 50	3 - 22	6.04 (0.42)	10.35 (0.71)	H670 ⌘ - 050 - ◆	H671 ⌘ - 050 - ◆	H672 ⌘ - 050 - ◆					
	10 - 100	5 - 47	7.18 (0.50)	13.85 (0.95)	H670 ⌘ - 100 - ◆	H671 ⌘ - 100 - ◆	H672 ⌘ - 100 - ◆					
	15 - 150	7 - 70	8.06 (0.56)	18.49 (1.27)	H670 ⌘ - 150 - ◆	H671 ⌘ - 150 - ◆	H672 ⌘ - 150 - ◆					
¾" SAE 12	3 - 25	1.5 - 11.5	2.99 (0.21)	5.90 (0.41)	H770 ⌘ - 025 - ◆	H771 ⌘ - 025 - ◆	H772 ⌘ - 025 - ◆	A	B	S	EP	EG
	5 - 50	2 - 23	2.00 (0.14)	3.58 (0.25)	H770 ⌘ - 050 - ◆	H771 ⌘ - 050 - ◆	H772 ⌘ - 050 - ◆					
	10 - 100	5 - 47.5	7.19 (0.50)	12.87 (0.89)	H770 ⌘ - 100 - ◆	H771 ⌘ - 100 - ◆	H772 ⌘ - 100 - ◆					
	15 - 150	7 - 70	4.44 (0.31)	9.52 (0.66)	H770 ⌘ - 150 - ◆	H771 ⌘ - 150 - ◆	H772 ⌘ - 150 - ◆					
	25 - 250	10 - 118	6.27 (0.43)	15.38 (1.06)	H770 ⌘ - 250 - ◆	H771 ⌘ - 250 - ◆	H772 ⌘ - 250 - ◆					
1" SAE 16	3 - 25	1.5 - 11.5	2.99 (0.21)	5.90 (0.41)	H790 ⌘ - 025 - ◆	H791 ⌘ - 025 - ◆	H792 ⌘ - 025 - ◆	A	B	S	EP	EG
	5 - 50	2 - 23	2.00 (0.14)	3.58 (0.25)	H790 ⌘ - 050 - ◆	H791 ⌘ - 050 - ◆	H792 ⌘ - 050 - ◆					
	10 - 100	5 - 47.5	7.19 (0.50)	12.87 (0.89)	H790 ⌘ - 100 - ◆	H791 ⌘ - 100 - ◆	H792 ⌘ - 100 - ◆					
	15 - 150	7 - 70	4.44 (0.31)	9.52 (0.66)	H790 ⌘ - 150 - ◆	H791 ⌘ - 150 - ◆	H792 ⌘ - 150 - ◆					
	25 - 250	10 - 118	6.27 (0.43)	15.38 (1.06)	H790 ⌘ - 250 - ◆	H791 ⌘ - 250 - ◆	H792 ⌘ - 250 - ◆					
1¼" SAE 20	20 - 200	10 - 95	1.89 (0.13)	3.16 (0.22)	H870 ⌘ - 200 - ◆	H871 ⌘ - 200 - ◆	H872 ⌘ - 200 - ◆	A	B	S	EP	EG
	40 - 400	20 - 180	2.53 (0.17)	5.49 (0.38)	H870 ⌘ - 400 - ◆	H871 ⌘ - 400 - ◆	H872 ⌘ - 400 - ◆					
	60 - 600	30 - 280	4.47 (0.31)	10.71 (0.74)	H870 ⌘ - 600 - ◆	H871 ⌘ - 600 - ◆	H872 ⌘ - 600 - ◆					
	80 - 800	50 - 350	6.13 (0.42)	17.14 (1.18)	H870 ⌘ - 800 - ◆	H871 ⌘ - 800 - ◆	H872 ⌘ - 800 - ◆					
	100 - 1000	50 - 475	9.84 (0.68)	28.45 (1.96)	H870 ⌘ - 999 - ◆	H871 ⌘ - 999 - ◆	H872 ⌘ - 999 - ◆					
1½" SAE 24	20 - 200	10 - 95	1.89 (0.13)	3.16 (0.22)	H890 ⌘ - 200 - ◆	H891 ⌘ - 200 - ◆	H892 ⌘ - 200 - ◆	A	B	S	EP	EG
	40 - 400	20 - 180	2.53 (0.17)	5.49 (0.38)	H890 ⌘ - 400 - ◆	H891 ⌘ - 400 - ◆	H892 ⌘ - 400 - ◆					
	60 - 600	30 - 280	4.47 (0.31)	10.71 (0.74)	H890 ⌘ - 600 - ◆	H891 ⌘ - 600 - ◆	H892 ⌘ - 600 - ◆					
	80 - 800	50 - 350	6.13 (0.42)	17.14 (1.18)	H890 ⌘ - 800 - ◆	H891 ⌘ - 800 - ◆	H892 ⌘ - 800 - ◆					
	100 - 1000	50 - 475	9.84 (0.68)	28.45 (1.96)	H890 ⌘ - 999 - ◆	H891 ⌘ - 999 - ◆	H892 ⌘ - 999 - ◆					
3"	100 - 1400	75 - 750	10.0 (0.69)	16.0 (1.10)	Not available	H971 ⌘ - 140 - ◆	H972 ⌘ - 140 - ◆	250 psi		Not available		
	200 - 2200	75 - 1130	10.0 (0.69)	16.0 (1.10)		H971 ⌘ - 220 - ◆	H972 ⌘ - 220 - ◆	A	B			

- ② Fractional sizes apply to NPTF and BSPP.
- ③ SCFM/psi multipressure scales are standard.
- ④ l/sec/bar multipressure
- ⑤ Scales are available at no extra charge.
- ⑥ 3 inch models have BSPT (BS21) threads
EP and EG options are only available with NPTF and BSPP models.

Example: H 771 A - 030 - EP



Note: When ordering a l/sec/bar scale, add "S1" suffix to part number.

Example: H771 A - 250 - S1 or H771 A - 250 - EG - S1

ООО "РусАвтоматизация"

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