

600 PSI Test Kits

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 240 °F
- Accuracy $\pm 2\%$ full scale
- Repeatability $\pm 1\%$
- Special scales available



SPECIFICATIONS:

MATERIALS:

2024 - T351 Anodized aluminum body, piston and cone

C360 Brass body, piston and cone

T303 Stainless body, 2024 - T351 Anodized aluminum piston and cone

COMMON PARTS:	Retaining Ring: T316 SS
Spider Plate: T316 SS	Retaining Spring: T316 SS
Spring: T302 SS	Indicator and Internal Magnet: PPS / Ceramic
Fasteners: T303 SS	Guard Seal / Bumper: Buna N
Pressure Seals: Viton®	Scale Support: 6063 - T6 Aluminum
Guard: Polycarbonate	End Caps: Nylon ST

THREADS: NPTF ANSI B2.2, BSPP ISO1179

TEMPERATURE RANGE: -20 to 240 °F (-29 to 116 °C)

PRESSURE RATING:

Aluminum / Brass Operating: 600 psi/41 bar max. with a 10:1 safety factor.

For High Cycle Applications: see page 7

Stainless Steel Operating: 600 psi/41 bar max. with a 10:1 safety factor.

For High Cycle Applications: see page 7

PRESSURE DROP: See Ordering Information Table, page 38.

For detailed differential pressure charts, see page 60.

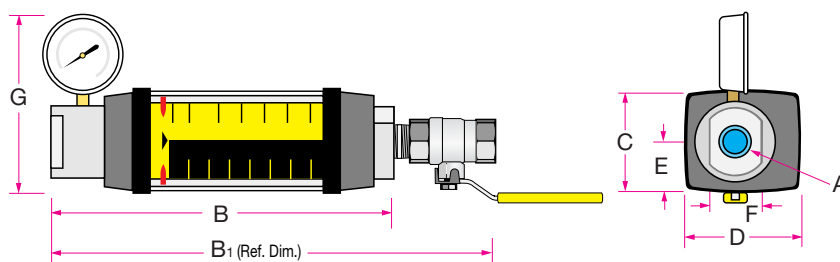
ACCURACY: $\pm 2\%$ of full scale

REPEATABILITY: $\pm 1\%$

PRESSURE GAUGE: Glycerin dampened, 0 - 160 psi / 0 - 10 bar pressure range available on all test kits.

LOAD VALVE: 1/2" to 1-1/2" nickel-plated brass ball valve with chrome-plated brass ball and Teflon® seals.

SILENCER (optional) : Brass body with 40 micron porous sintered bronze filter.



DIMENSIONS:

A	B	B ₁	C	D	E	F	G
NOMINAL PORT SIZE	LENGTH in (mm)	LENGTH in (mm)	WIDTH in (mm)	DEPTH in (mm)	OFFSET in (mm)	FLATS in (mm)	HEIGHT in (mm)
1/4	6.12 (155)	8.38 (213)	1.68 (43)	1.90 (48)	.84 (21)	.88 (22)	5.0 (127)
1/2	8.00 (203)	11.0 (279)	2.07 (53)	2.40 (61)	1.04 (26)	1.25 (32)	5.4 (137)
3/4	8.90 (226)	12.38 (315)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)	5.9 (150)
1	8.90 (226)	12.38 (315)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)	5.9 (150)
1-1/4	13.80 (351)	18.39 (465)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)	7.2 (183)
1-1/2	13.80 (351)	18.39 (465)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)	7.2 (183)

NOTE: Weights for all sizes can be found on page 72.

BSPP Test Kits include outlet adapter.

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Viton is a registered trademark of DuPont Dow Elastomers

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ORDERING INFORMATION:

NOMINAL PORT SIZE	FLOW RANGE		PRESSURE DROP		MODEL NUMBER <i>(see example below)</i>		MATERIAL		
	① SCFM	② L/SEC	50% FLOW PSI (BAR)	100% FLOW PSI (BAR)	NPTF	BSPP	ALUMINUM 600 PSI	BRASS 600 PSI	STAINLESS 600 PSI
1/4	0.5 - 5	0.2 - 2.2	3.38 (0.23)	5.32 (0.37)	H271 * - 005 - TK	H272 * - 005 - TK	A	B	S
	1 - 10	0.5 - 4.75	8.08 (0.56)	17.33 (1.19)	H271 * - 010 - TK	H272 * - 010 - TK			
	2 - 20	1 - 9	11.02 (0.76)	19.64 (1.35)	H271 * - 020 - TK	H272 * - 020 - TK			
	3 - 30	1.5 - 14	14.62 (1.01)	27.10 (1.87)	H271 * - 030 - TK	H272 * - 030 - TK			
1/2	3 - 25	2 - 12	4.60 (0.32)	6.97 (0.48)	H671 * - 025 - TK	H672 * - 025 - TK	A	B	S
	5 - 50	3 - 22	6.91 (0.48)	11.22 (0.77)	H671 * - 050 - TK	H672 * - 050 - TK			
	10 - 100	5 - 47	8.67 (0.60)	14.72 (1.01)	H671 * - 100 - TK	H672 * - 100 - TK			
	15 - 150	7 - 70	8.93 (0.62)	19.36 (1.33)	H671 * - 150 - TK	H672 * - 150 - TK			
3/4	3 - 25	1.5 - 11.5	3.86 (0.27)	6.77 (0.47)	H771 * - 025 - TK	H772 * - 025 - TK	A	B	S
	5 - 50	2 - 23	2.87 (0.20)	4.45 (0.31)	H771 * - 050 - TK	H772 * - 050 - TK			
	10 - 100	5 - 47.5	8.06 (0.56)	13.74 (0.95)	H771 * - 100 - TK	H772 * - 100 - TK			
	15 - 150	7 - 70	5.31 (0.37)	10.39 (0.72)	H771 * - 150 - TK	H772 * - 150 - TK			
1	3 - 25	1.5 - 15	3.86 (0.27)	6.77 (0.47)	H791 * - 025 - TK	H792 * - 025 - TK	A	B	S
	5 - 50	2 - 23	2.87 (0.20)	4.45 (0.31)	H791 * - 050 - TK	H792 * - 050 - TK			
	10 - 100	5 - 47.5	8.06 (0.56)	13.74 (0.95)	H791 * - 100 - TK	H792 * - 100 - TK			
	15 - 150	7 - 70	5.31 (0.37)	10.39 (0.72)	H791 * - 150 - TK	H792 * - 150 - TK			
1-1/4	20 - 200	10 - 95	2.76 (0.19)	4.03 (0.28)	H871 * - 200 - TK	H872 * - 200 - TK	A	B	S
	40 - 400	20 - 180	3.40 (0.23)	6.36 (0.44)	H871 * - 400 - TK	H872 * - 400 - TK			
	60 - 600	30 - 280	5.34 (0.37)	11.58 (0.80)	H871 * - 600 - TK	H872 * - 600 - TK			
	80 - 800	50 - 350	7.00 (0.48)	18.01 (1.24)	H871 * - 800 - TK	H872 * - 800 - TK			
1-1/2	20 - 200	10 - 95	2.76 (0.19)	4.03 (0.28)	H891 * - 200 - TK	H892 * - 200 - TK	A	B	S
	40 - 400	20 - 180	3.40 (0.23)	6.36 (0.44)	H891 * - 400 - TK	H892 * - 400 - TK			
	60 - 600	30 - 280	5.34 (0.37)	11.58 (0.80)	H891 * - 600 - TK	H892 * - 600 - TK			
	80 - 800	50 - 350	7.00 (0.48)	18.01 (1.24)	H891 * - 800 - TK	H892 * - 800 - TK			
100 - 1000	50 - 475	10.71 (0.74)	29.32 (2.02)	H891 * - 999 - TK	H892 * - 999 - TK				

NOTE: Consult factory for other options.

- ① SCFM/PSI multipressure scales are standard.
- ② L/sec-bar multipressure scales are available at no extra charge.

NOTE: When ordering a L/sec-bar scale add "S1" suffix to part number

(example) H771 A - 250 - TK - S1

(example) H 771 A - 250 - TK

AIR & CORROSIVE GASES

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AIR & COMPRESSED GASES

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FLOW-ALERT FLOW SWITCHES

PAGES 39 and 41



FLOW TRANSMITTERS

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