

# 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
- Insensitive to Shock and Vibration
- Temperature up to 240°F
- Accuracy  $\pm 2\%$  Full Scale
- Repeatability  $\pm 1\%$
- Special Scales Available
- Calibrated for 1.0 S.G.



### 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

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

**THREADS:** SAE J1926/1, 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.

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

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

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

**PRESSURE DROP:** See Ordering Information Table, page 38. For detailed differential pressure charts, see page 56.

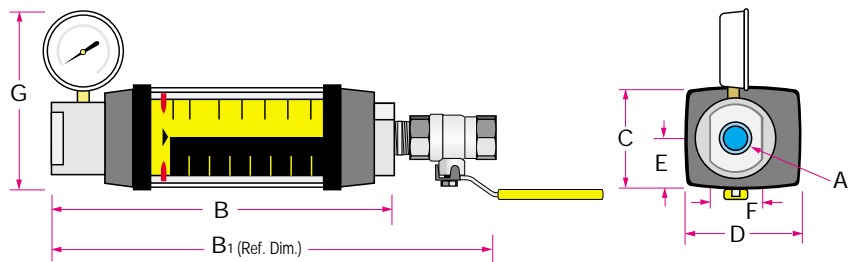
**ACCURACY:**  $\pm 2\%$  of full scale reading

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

**PRESSURE GAUGE:** Glycerin dampened, 0 - 160 psi / 0 - 10 bar pressure range. Available in 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 <sub>1</sub>	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 (SAE 6)	6.12 (155)	8.38 (213)	1.68 (43)	1.90 (48)	.84 (21)	.88 (22)	5.0 (127)
1/2 (SAE10)	8.00 (203)	11.0 (279)	2.07 (53)	2.40 (61)	1.04 (26)	1.25 (32)	5.4 (137)
3/4 (SAE 12)	8.90 (226)	12.38 (315)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)	5.9 (150)
1 (SAE 16)	8.90 (226)	12.38 (315)	2.48 (63)	2.85 (72)	1.24 (32)	1.50 (38)	5.9 (150)
1-1/4 (SAE 20)	13.80 (351)	18.39 (465)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)	7.2 (183)
1-1/2 (SAE 24)	13.80 (351)	18.39 (465)	4.12 (105)	4.72 (120)	2.06 (52)	2.75 (70)	7.2 (183)

**NOTE:** Dimensions for 1-1/2" Code 62, 3" and 3" Code 61 can be found on page 50.

Weights for all sizes can be found on page 57.

BSPP Test Kits include outlet adapter.

# 600 PSI Test Kits

## For Air and Other Compressed Gases

### ORDERING INFORMATION:

NOMINAL PORT SIZE	FLOW RANGE		PRESSURE DROP		MODEL NUMBER (see ex. below*)		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 SAE 6	0.5 - 5	0.2 - 2.2	5.25 (.36)	8.37 (.58)	H271 * - 005 - TK	H272 * 005 - TK	A	B	S
	1 - 10	0.5 - 4.75	7.12 (.49)	11.50 (.79)	H271 * - 010 - TK	H272 * 010 - TK			
	2 - 20	1 - 9	7.37 (.51)	13.37 (.92)	H271 * - 020 - TK	H272 * 020 - TK			
	3 - 30	1.5 - 14	11.62 (.80)	22.12 (1.53)	H271 * - 030 - TK	H272 * 030 - TK			
1/2 SAE 10	3 - 25	2 - 12	6.50 (.45)	10.25 (.71)	H671 * - 025 - TK	H672 * 025 - TK	A	B	S
	5 - 50	3 - 22	5.25 (.36)	8.37 (.58)	H671 * - 050 - TK	H672 * 050 - TK			
	10 - 100	5 - 47	3.87 (.27)	7.75 (.53)	H671 * - 100 - TK	H672 * 100 - TK			
	15 - 150	7 - 70	9.00 (.62)	19.62 (1.35)	H671 * - 150 - TK	H672 * 150 - TK			
3/4 SAE 12	3 - 25	1.5 - 11.5	3.37 (.23)	4.87 (.34)	H771 * - 025 - TK	H772 * 025 - TK	A	B	S
	5 - 50	2 - 23	2.75 (.19)	4.00 (.28)	H771 * - 050 - TK	H772 * 050 - TK			
	10 - 100	5 - 47.5	3.37 (.23)	5.62 (.39)	H771 * - 100 - TK	H772 * 100 - TK			
	15 - 150	7 - 70	6.50 (.45)	11.81 (.81)	H771 * - 150 - TK	H772 * 150 - TK			
	25 - 250	10 - 118	8.37 (.58)	17.75 (1.22)	H771 * - 250 - TK	H772 * 250 - TK			
1 SAE 16	3 - 25	1.5 - 15	3.37 (.23)	4.87 (.34)	H791 * - 025 - TK	H792 * 025 - TK	A	B	S
	5 - 50	2 - 23	2.75 (.19)	4.00 (.28)	H791 * - 050 - TK	H792 * 050 - TK			
	10 - 100	5 - 47.5	3.37 (.23)	5.62 (.39)	H791 * - 100 - TK	H792 * 100 - TK			
	15 - 150	7 - 70	6.50 (.45)	11.81 (.81)	H791 * - 150 - TK	H792 * 150 - TK			
	25 - 250	10 - 118	8.37 (.58)	17.75 (1.22)	H791 * - 250 - TK	H792 * 250 - TK			
1-1/4 SAE 20	20 - 200	10 - 95	2.87 (.20)	4.00 (.28)	H871 * - 200 - TK	H872 * 200 - TK	A	B	S
	40 - 400	20 - 180	4.00 (.28)	6.47 (.45)	H871 * - 400 - TK	H872 * 400 - TK			
	60 - 600	30 - 280	5.25 (.36)	9.62 (.66)	H871 * - 600 - TK	H872 * 600 - TK			
	80 - 800	50 - 350	6.47 (.45)	12.87 (.89)	H871 * - 800 - TK	H872 * 800 - TK			
	100 - 1000	50 - 475	7.87 (.54)	17.12 (1.18)	H871 * - 999 - TK	H872 * 999 - TK			
1-1/2 SAE 24	20 - 200	10 - 95	2.87 (.20)	4.00 (.28)	H891 * - 200 - TK	H892 * 200 - TK	A	B	S
	40 - 400	20 - 180	4.00 (.28)	6.47 (.45)	H891 * - 400 - TK	H892 * 400 - TK			
	60 - 600	30 - 280	5.25 (.36)	9.62 (.66)	H891 * - 600 - TK	H892 * 600 - TK			
	80 - 800	50 - 350	6.47 (.45)	12.87 (.89)	H891 * - 800 - TK	H892 * 800 - TK			
	100 - 1000	50 - 475	7.87 (.54)	17.12 (1.18)	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.

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

(example) H771 <sup>\*</sup>A - 250 - <sup>†</sup>TK - S1

(example) H 771 <sup>\*</sup>A - 250 - TK

AIR & CORROSIVE GASES

PAGE 33



AIR & COMPRESSED GASES

PAGE 35



FLOW ALERT FLOW SWITCHES

PAGE 39



FLOW TRANSMITTERS

PAGE 41

