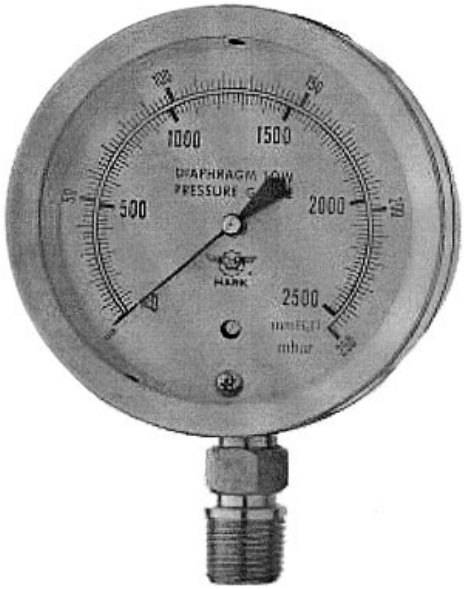
HAWK

Low Pressure Gauge Stainless steel Case

63L,63B Series



HAWK type 63L and 63B series capsule system pressure gauges are designed to measure low pressure from 6 inH_2O to 15 PSI. These use a diaphragm capasule as its sensing element. The sensing element consists two half capsules which are soldered together. The diaphragm capsule element expands by subjecting to pressure. The expansion is converted into the rotary motion of the pointer by a movement. This motion makes users read the scale easily. The wetted parts can be in beryllium copper, brass or 316 stainless steel. All stainless steel low pressure gauge are ideal for use in corrosive and aggressive gas. The stainless steel case is excellent in withstanding rugged environment.

- Copper Alloy or 316SS Wetted Parts
- Range from 6 inH_2O to 15 PSI including Vacuum and Compound Range
- Excellent Corrosion Resistance Case
- Capsule or Bellow Actuated System
- Easily Zero Adjustable Screw on Dial

Typical Applications:
* Process control and chemical industry * Medical and pharmaceutical industry * Induatrial OEM equipments * Hydraulic monitoring systems * Power generating stations * Compressors * Pneumatic systems * Level measurement * Environment technology

Specifications

Operating:
Steady: 100%*full scale value
Sudden: 130%* full scale value
All HAWK capsule low pressure gauge are with over-range protection up to 1.3 times of full scale value. Special design for high over-pressure (5 times) protection on request. HAWK Supplies a wide selection of range from 6 inH_2O to 15 PSI including vacuum and compound range.

Temperature limit:
Ambient: -20 to 80 °C
Wider range request, please consult the factory.
Media: max 60 °C - Copper, 100 °C - SS
Wider range request, please consult the factory.

Temperature effect:
Accuracy of measurement will be effected by the temperature change. This inaccuracy may as high as 0.3% for 10 °C temperature change.

Dial Size:
4" (100 mm) or 6" (150 mm)

Case & Ring:
Stainless steel 304 (SS316-option), bayonet ring

Socket:
Brass , 316 Stainless steel, Monel

Movement:
Stainless steel or Brass movement with overload and underload stops-standard,

Capsule Element:
Beryllium Copper, 316 Stainless steel, Monel, Brass

Window:
Plain glass-standard
Polycarbonate, Tempered safety or laminated safety glass-optional

Weatherproof:
NEMA 3/3X(IP54) enclosure
NEMA 4/4X(IP65)-option

Pointer:
Anodized aluminum with black finish

Accuracy:
±2-1-2% of span (1%-option),
(Grade 2A to ASME B40.1)

Zero-Adjustment:
Micro-adjustable screw on dial

Scale:
PSI, kPa, mmH_2O, mbar, kg/cm^2,inH_2O, oz./in^2, torr (single or dual scale)

Connection:
1/2", 3/8", 1/4" NPT standard, JIS, DIN and M20*1.5 available

Mounting:
Flushing panel mounting

Option:

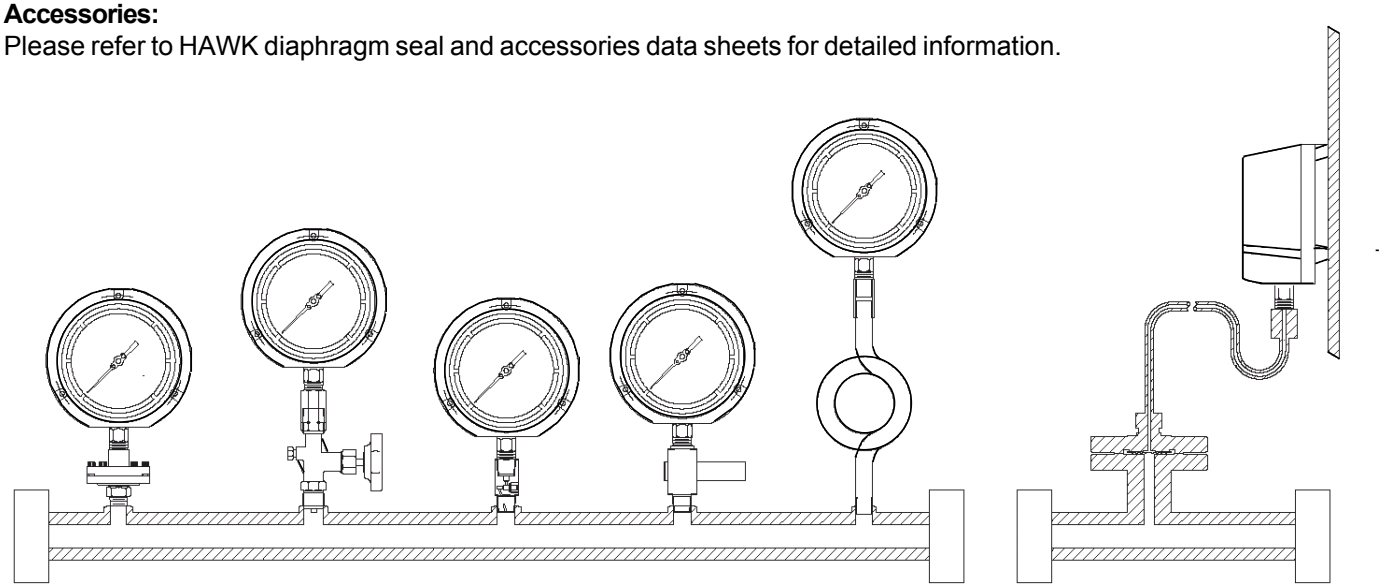
Tempered safety glass lens	Laminated safety glass lens	Polycarbonate lens
Receiver scale 3...15 PSI	Customer dial	DIN standard
Improved Accuracy 1% (Grade A-ASME B40.1)		Flushing panel mounting u-clamp
Front flange case	Back flange case	Clean for oxygen service
Max pointer	Front flange case	Threaded snubber in socket

Pressure Range :

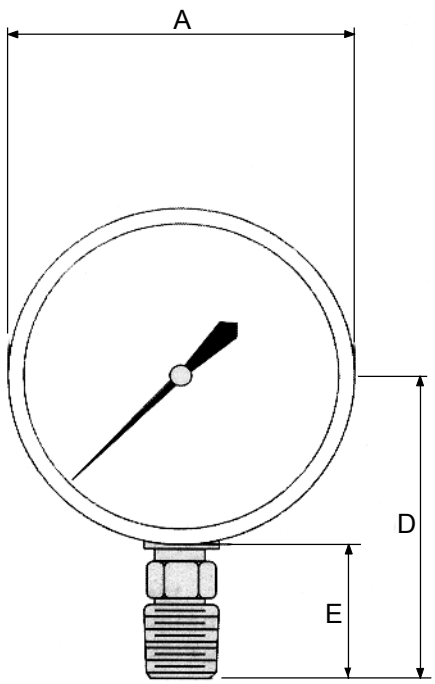
Code	Ranges	Code	Ranges	Code	Ranges	Code	Ranges
F1	2.5 kPa/cmH_2O	F25	160 inH_2O	FVA	-250mmH_2O/mber	FVY	-250 oz./in^2/inH_2O
F2	4.0 kPa/cmH_2O	F26	200 inH_2O	FVB	-400mmH_2O/mber		**Compound**
F3	6.0 kPa/cmH_2O	F27	6 oz./in^2/inH_2O	FVC	-600mmH_2O/mber	FC1	-1.25/1.25 kPa
F4	10 kPa/cmH_2O	F28	12 oz./in^2/inH_2O	FVD	-1000mmH_2O/mber	FC2	-2.0/2.0 kPa
F5	16 kPa/cmH_2O	F29	20 oz./in^2/inH_2O	FVE	-1600mmH_2O/mber	FC3	-3.0/3.0 kPa
F6	25 kPa/cmH_2O	F30	30 oz./in^2/inH_2O	FVF	-2500mmH_2O/mber	FC4	-5.0/5.0 kPa
F7	40 kPa/cmH_2O	F31	60 oz./in^2/inH_2O	FVG	-4000mmH_2O/mber	FC5	-8.0/8.0 kPa
F8	60 kPa/cmH_2O	F32	100 oz./in^2/inH_2O	FVH	-6000mmH_2O/mber	FC6	-12.5/12.5 kPa
F9	100 kPa/cmH_2O	F33	160 oz./in^2/inH_2O	FVI	-10000mmH_2O/mber	FC7	-20/20 kPa
F10	160 mmH_2O/mbar	F34	250 oz./in^2/inH_2O	FVJ	-10 inH_2O	FC8	-30/30 kPa
F11	250 mmH_2O/mbar	F35	3 PSI	FVK	-15 inH_2O	FC9	-50/50 kPa
F12	400 mmH_2O/mbar	F36	5 PSI	FVL	-20 inH_2O	FCA	-125/125 mmH_2O
F13	600 mmH_2O/mbar	F37	10 PSI	FVM	-30 inH_2O	FCB	-200/200 mmH_2O
F14	1000 mmH_2O/mbar	F38	15 PSI	FVN	-60 inH_2O	FCC	-300/300 mmH_2O
F15	1600 mmH_2O/mbar		**Vacuum**	FVO	-100 inH_2O	FCD	-500/500 mmH_2O
F16	2500 mmH_2O/mbar	FV1	-2.5 kPa/cmH_2O	FVP	-160 inH_2O	FCE	-800/800 mmH_2O
F17	4000 mmH_2O/mbar	FV2	-4.0 kPa/cmH_2O	FVQ	-200 inH_2O	FCF	-1250/1250 mmH_2O
F18	6000 mmH_2O/mbar	FV3	-6.0 kPa/cmH_2O	FVR	-6 oz./in^2/ inH_2O	FCG	-2000/2000 mmH_2O
F19	10 inH_2O	FV4	-10 kPa/cmH_2O	FVS	-12 oz./in^2/inH_2O	FCH	-3000/3000 mmH_2O
F20	15 inH_2O	FV5	-16 kPa/cmH_2O	FVT	-20 oz./in^2/inH_2O	FCI	-10/10 inH_2O
F21	20 inH_2O	FV6	-25 kPa/cmH_2O	FVU	-30 oz./in^2/inH_2O	FCJ	-20/20 inH_2O
F22	30 inH_2O	FV7	-40 kPa/cmH_2O	FVV	-60 oz./in^2/inH_2O	FCK	-30/30 inH_2O
F23	60 inH_2O	FV8	-60 kPa/cmH_2O	FVW	-100 oz./in^2/inH_2O	FCL	-50/50 inH_2O
F24	100 inH_2O	FV9	-100 kPa/cmH_2O	FVX	-160 oz./in^2/inH_2O	FCM	-80/80 inH_2O

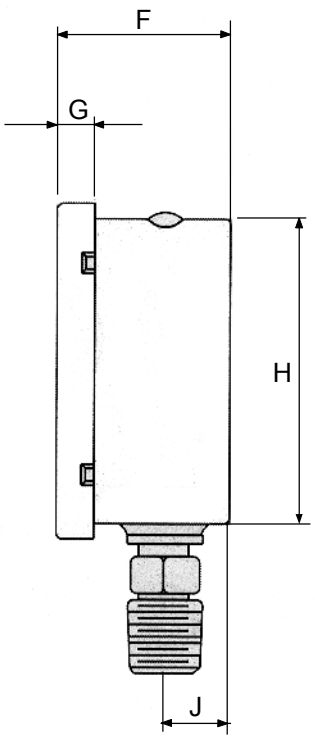
1.The other scales and ranges(DIN) are available in request.
2. Not all listed ranges and scales are in stock, Consult your distributors for available.

Accessories:
Please refer to HAWK diaphragm seal and accessories data sheets for detailed information.

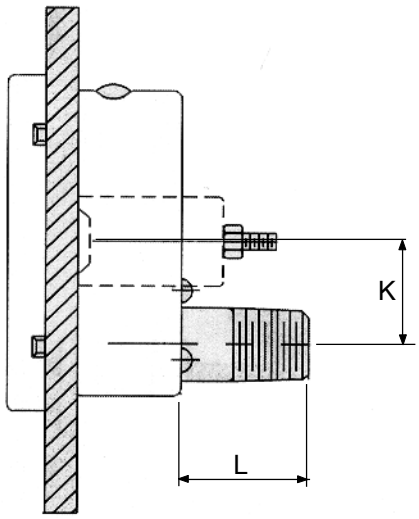


Direct actuated diaphragm seal | Needle valve | Pulsation dampener | Over-pressure protector | Siphon | Removing actuated diaphragm seal





63L(Bottom Connection)



63B(Lower Back Connection)

4" (100 mm) Dial Size

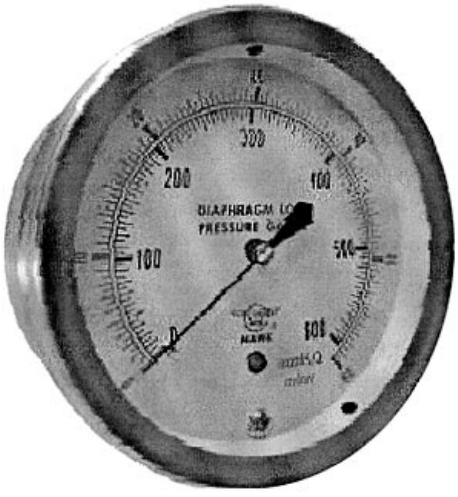
Type No:	A	B	C	D	E	F	G	H	J	K	L	Weight
63L (4")	4.33" (110)			4.41" (112)	1.49" (38)	1.89" (48)	0.47" (12)	3.94" (100)	0.79" (20)			0.49-0.55 Kg
63B (4")	4.33" (110)					1.89" (48)	0.47" (12)	3.94" (100)		1.18" (30)	1.26" (32)	0.58-0.64 Kg

6" (150 mm) Dial Size

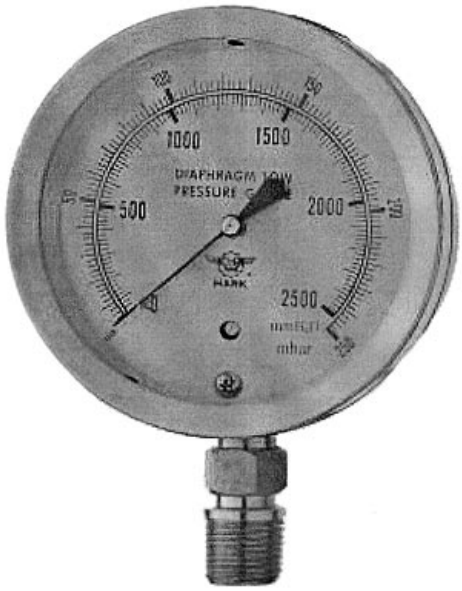
Type No:	A	B	C	D	E	F	G	H	J	K	L	Weight
63L (6")	6.23" (160)			4.72" (120)	1.58" (40)	1.97" (50)	0.51" (13)	5.91" (150)	0.79" (20)			1.02-1.12 Kg
63B (6")	6.23" (160)					1.97" (50)	0.51" (13)	5.91" (150)		1.26" (32)	1.26" (32)	1.12-1.20 Kg

Order Information :

63L	04	T	2	F14	XXX
Type No: 63L-Lower (Bottom) Connection 63B-Lower Back Connection	**Dial Sizes:** 04-4” (100 mm) 06-6” (150 mm)	**Wetted Part:** T-316SS P-Beryllium Copper M-Monel B-Brass	**Process Connection:** 2-1/2” NPT 4-1/4” NPT 8-1/8” NPT 7-7/16” UNF D-G1/2 H-G3/8 E-G1/4 A-R1/2 G-R3/8 B-R1/4 L-Others 9-9/16” UNF	**Pressure Range:** Please refer to the range table and write down the code you need. Vacuum Compound Pressure	**Option:** SS-Threaed Snubber in Socket PW-Polycar-bonate Window LSG-Laminated Safety Glass Lens TSG-Tempered Safety Glass Lens UC-U-clamp Kit



63B(Lower Back Connection)



63L(Bottom Connection)