

WEISS INSTRUMENTS

Made in USA

Liquid Filled Pressure Gauges

These American made Liquid Filled Pressure Gauges come standard in a tough, corrosion and impact resistant Zytel Nylon case. They are available in a 2½" dial and a nominal 4.0" case in both a brass and 316SS internal construction. They are "fully filled" due to the internal "breathing diaphragm" which eliminates the need for an air bubble in the mid-range of the gauge. The standard fill is a non-yellowing, crystal clear glycerine for temperature of -40/150F.

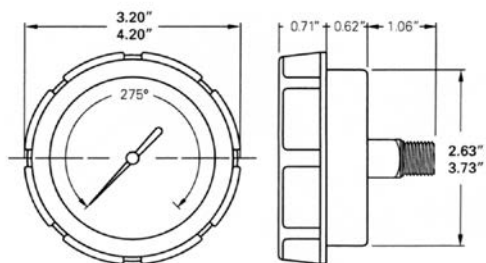
SPECIFICATIONS

CASE:	Zytel Nylon - Black
BEZEL:	Zytel Nylon - Removable
LENS:	Acrylic
POINTER:	Black Aluminum
DIAL:	White Aluminum
FILL:	High Purity Glycerin
AMBIENT TEMP.:	-40 to 150°F

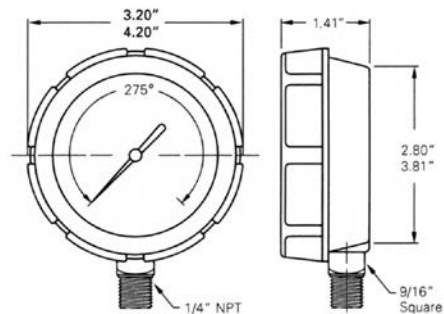
APPLICATIONS

Mobile Hydraulic Equipment
Irrigation / Water Purification
Waste Water
Food / Pharmaceutical
Bulk Transport Trailers
Military / Marine
Chemical Plants
Refineries





Case Dimensions - 2.5" and 3.5"



CAT. NO.	DIAL SIZE	RANGES	BOURDON TUBE	CONNECTION	SOCKET	ACCURACY
LF251Z	2.5"	Vacuum, Compound, Pressure to 5000 psi	Bronze	1/4" NPT Lower	Brass	ANSI B40.1 GRADE A 2/1/2%
LF441Z	4.0"	Vacuum, Compound, Pressure to 5000 psi	Bronze	1/4" NPT Lower	Brass	ANSI B40.1 GRADE 1A 1%
LF252Z	2.5"	Vacuum, Compound, Pressure to 10,000 psi	316 S.S.	1/4" NPT Lower	316 S.S.	ANSI B40.1 GRADE A 2/1/2%
LF442Z	4.0"	Vacuum, Compound, Pressure to 10,000 psi	316 S.S.	1/4" NPT Lower	316 S.S.	ANSI B40.1 GRADE 1A 1%

TO SPECIFY

CHOOSE CAT. NO.		– PLUS RANGE CODE		– PLUS CONNECTION	
INDICATES CONSTRUCTION		– RANGE CODE		– SIZE & LOCATION	
CAT. NO. - DIAL SIZE	INTERNALS	RANGE CODE	RANGE psi	kPa	
LIQUID FILL					4L = 1/4" Lower
LF251Z	2 1/2"	Bronze	015	0-15	0-100
LF252Z	2 1/2"	316S.S.	030	0-30	0-200
LF441Z	4"	Bronze	060	0-60	0-400
LF442Z	4"	316S.S.	100	0-100	0-700
			160	0-160	0-1100
			200	0-200	0-1400
			300	0-300	0-2100
			400	0-400	0-2800
			600	0-600	0-4200
			1000	0-1000	0-7000
			1500	0-1500	0-10,000
			2000	0-2000	0-14,000
			3000	0-3000	0-21,000
			5000	0-5000	0-40,000
			6000	0-6000	0-42,000
			10000	0-10,000	0-70,000
			VAC	0-30" HG	-100-0
			V30	30"-0-30	-100-200
			V60	30"-0-60	-100-400
			V100	30"-0-100	-100-700
			V150	30"-0-150	-100-1000
			V200	30"-0-200	-100-1400
			V300	30"-0-300	-100-2100
Ex: LF251Z – 100 – 4L					LFZ - 06/20

LEAD FREE GAUGES & ACCESSORIES

SPECIFICATIONS – 4CTSFL

DIAL SIZE - 4 1/2"

CASE - Drawn stainless steel, with push-in Lexan window.

TUBE - Phosphor bronze.

SOLDER CONNECTION - Lead Free.

SOCKET < 0.25% Lead Free Brass

CERTIFICATION - UL in accordance with NSF/ANSI 372

CERTIFICATION NR - 20131004-MH59893

CONNECTION - 1/4" NPT Bottom

DIAL - White coated metal lithographed with black graduations lines and numerals.

POINTER - Slotted adjustable.

ACCURACY - 1% ANSI-ASME B40.1 Grade 1A.

OPERATING TEMPERATURE

Ambient: -40°F to 140°F (-40°C to 60°C)

Media: 140°F (+60°C) Maximum



UTILITY PRESSURE GAUGES - WEISS SERIES 25CTSFL

CAT. NO.	RANGES		ANSI/ASME
25CTSFL Black Plastic Case	0 - 30 PSI	0-160 PSI	B40.1 Grade B
	0 - 60 PSI	0-200 PSI	
	0-100 PSI	0-300 PSI	

HVAC PRESSURE GAUGES - WEISS SERIES 4CTSFL

CAT. NO.	RANGES		ANSI/ASME
4CTSFL Stainless Steel Case	0 - 30 PSI	0-160 PSI	B40.1 Grade 1A
	0 - 60 PSI	0-200 PSI	
	0-100 PSI	0-300 PSI	

BALL & NEEDLE VALVES & SNUBBERS FOR HVAC PRESSURE GAUGES

CAT. NO.	SIZE	MATERIAL	RATING
BLC-14LF (Ball Valve)	1/4" FNPT x 1/4" FNPT	Lead Free Brass	600 psi / 300°F
25NVBRLF (Needle Valve)	1/4" FNPT x 1/4" FNPT	Lead Free Brass	600 psi / 300°F
PSN-B-E-25LF (Snubber)	1/4" FNPT x 1/4" MNPT	Lead Free Brass	600 psi / 300°F

LEAD FREE THERMOWELLS FOR INDUSTRIAL GLASS, BIMETAL DIAL AND DIGITAL THERMOMETERS

CAT NO.	LENGTH	APPLICABLE TO THERMOMETER ITEMS	ANSI/ASME
E35-75BSLF	4 1/4	9VU35, A9VU35, DVU35	B40.2
ESS35-75BSLF	4 1/4	9VU35, A9VU35, DVU35	B40.2
ER6-75BSLF	6 3/4	9VU6, A9VU6, DVU6	B40.2
EN6-75BSLF	6 3/4	9VU6, A9VU6, DVU6	B40.2
B25-75BSLF	2 3/4	5VBM25, 3VBM25	B40.2
B35-75BSLF	4 1/4	5VBM4, 3VBM4	B40.2

TRADE LINE PRESSURE GAUGES

Weiss TL Gauges are intended for general service conditions, for pressure or vacuum on air, oil, water, gas or other mediums that do not attack brass. TL Gauges are furnished in drawn steel cases, finished in black. The 1 1/2" dials are supplied with 1/8" NPT and 2" dial versions are available with 1/4" or 1/8" NPT connections. All other dial sizes are 1/4" NPT. All gauges conform with ANSI B40.1 accuracy Grade B-2 mid scale.

TO SPECIFY				
CHOOSE CAT. NO. – PLUS RANGE CODE – PLUS CONNECTION				
INDICATES	DIAL SIZE	RANGE CODE	RANGE	SIZE & LOCATION
TL15	1 1/2"	015	0-15	8L = 1/8" Lower
TL20	2"	030	0-30	8B = 1/8" Ctr Back
TL25	2 1/2"	100	0-100	4L = 1/4" Lower
TL40	4"	160	0-160	4B = 1/4" Ctr Back
		200	0-200	
		300	0-300	
		400	0-400	
		600	0-600	
		VAC	0-30"HG	
		V30	30-0-30	
		V60	30-0-60	
		V100	30-0-100	
		V150	30-0-150	
Ex: TL25 – 100 – 4L				



PRESSURE		
RANGE	GRADUATIONS	FIG. INTERVAL
0-15	0.5	1
0-30	0.5	5
0-60	1	5
0-100	2	10
0-160	5	20
0-200	5	20
0-300	5	30
0-400	10	50
0-600	10	50
COMPOUND		
30-0-15	1" Hg.-0.5p	5" Hg.-3p
30-0-30	1" Hg.-1p	10" Hg.-5p
30-0-60	2" Hg.-1p	10" Hg.-10p
30-0-100	5" Hg.-2p	15" Hg.-10p
30-0-150	5" Hg.-2p	30" Hg.-20p
VACUUM		
30"-0	0-5" In. Hg.	5" In. Hg.

HVAC PRESSURE GAUGES

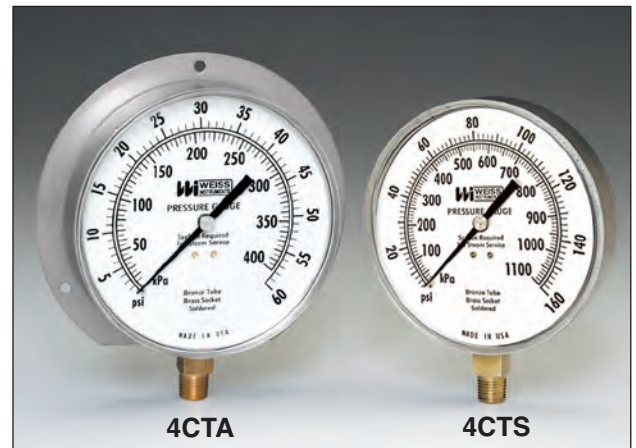
Weiss 4 1/2" CTS/CTA Pressure Gauges are designed to meet the standard specifications for Heating, Cooling and Air Conditioning applications. The CTS has a stainless steel case for stem mount and the CTA is an aluminum back flange case for either stem or surface mounting. Both versions conform with ANSI B40.1 accuracy Grade 1A.

POINTER: Balanced adjustable aluminum.

DIAL: White coated metal, lithographed with black graduation lines and numerals.

MOVEMENT: Brass construction.

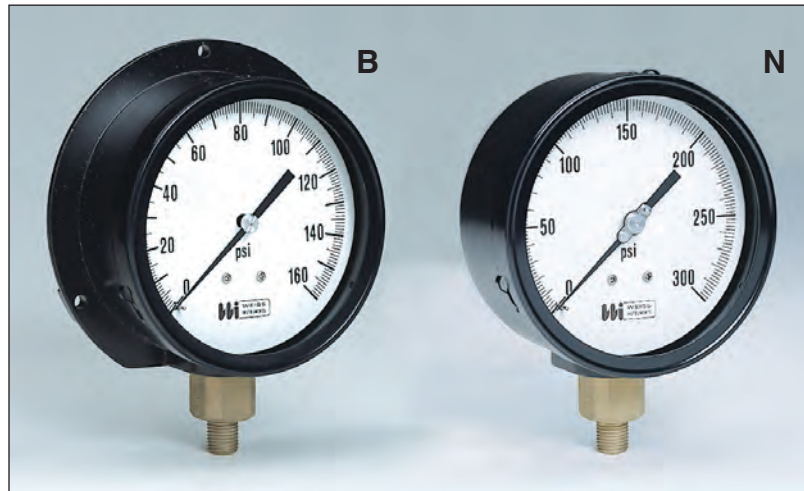
BOURDON TUBE & SOCKET: Phosphor bronze bourdon. Brass stock socket 9/16" square wrench surface and 1/4" NPT lower connection. Soft-soldered construction.



PRESSURE			COMPOUND		
RANGE	GRADUATIONS	FIG. INTERVAL	RANGE	GRADUATIONS	FIG. INTERVAL
0-15	0.2	1	30-0-15*	1" Hg.-0.5p	10" Hg.-5p
0-30	0.5	5	30-0-30	1" Hg.-0.5p	10" Hg.-10p
0-60	1	5	30-0-60	1" Hg.- 1p	10" Hg.-10p
0-100	1	10	30-0-100	2" Hg.- 1p	30" Hg.-20p
0-160	2	20	30-0-150*	2" Hg.- 2p	30" Hg.-20p
0-200	2	20	30-0-300*	10" Hg.- 5p	30" Hg.-50p
0-300	5	50			
0-400	5	50			
0-600	10	50			
			VACUUM		
			30"-0	0-5" In. Hg.	5" In. Hg.

*In the 4CTA-1 Gauge these ranges are not available.

INDUSTRIAL PRESSURE GAUGES



The Weiss Series 088 Gauges are ideal for use on boilers, compressors, pumps, and any industrial applications that require a heavy duty internal gauge. Our 4 1/2" case styles have a glass window, solid back with safety blow out disc standard.

Available in two case styles—Style B: Aluminum Back Flange and Style N: Aluminum No Flange, all have 1/4" NPT lower mount connection. Optional 1/2" NPT available.

TO SPECIFY					
SIZE	CAT. NO.	CASE STYLE	NPT	MOUNT	RANGE
4 1/2"	4PG-1	B - Back Flange	1/4"	LM*	—
4 1/2"	4UG-1	N - No Flange	1/4"	LM	—
Ex: 4PGN-1 1/4" LM 0-160psi *LM - Lower Mount					

CAT. NO.	POINTER	RANGE LIMITS	BOURDON TUBE	MOVEMENT	SOCKET	ACCURACY
PG-1	SLOTTED ADJUSTABLE	VACUUM THRU 0-600 psi	"C" PHOSPHOR BRONZE SILVER BRAZED JOINTS	BRASS BUSHED ROTARY	BRASS	1% ANSI GRADE A
UG-1	MICROMETER ADJUSTABLE	VACUUM THRU 0-600 psi	"C" PHOSPHOR BRONZE SILVER BRAZED JOINTS	STN. STL. BUSHED ROTARY	BRASS	1/2 of 1% ANSI GRADE 2A

PRESSURE			COMPOUND		
RANGE	GRADUATIONS	FIG. INTERVAL	RANGE	GRADUATIONS	FIG. INTERVAL
0-15	0.1	1	30-0-15	0.5" Hg.- 0.2p	5"Hg.-3p
0-30	0.2	5	30-0-30	1" Hg.-0.5p	10" Hg.- 5p
0-60	0.5	5	30-0-60	1" Hg.- 1p	10" Hg.-10p
0-100	1	10	30-0-100	2" Hg.- 1p	10" Hg.-10p
0-160	1	20	30-0-150	5" Hg.- 2p	10"Hg.- 20p
0-200	2	20	30-0-300	5" Hg.- 2p	30"Hg.- 25p
0-300	2	50	VACUUM		
0-400	5	50	30"-0	0.2" In. Hg.	5" In. Hg.
0-600	5	50			

PROCESS PRESSURE GAUGES

The 4 1/2" Process Gauge is designed for those severe service applications where operator safety is a factor. This solid front gauge is equipped with a solid wall separating the indicating dial from the bourdon tube and a blow-out back which will release from the case if the bourdon tube should rupture.

Available with phosphor bronze/brass, 316 stainless steel or monel internals, liquid-filled or dry construction, this gauge is ideally suited for the requirements of the Process, Power and Chemical Industries. This high quality gauge offers the benefit of field filling without any additional kits or accessories.



NF4UGY1

NF4UGY1 NON-FILLED / LF4UGY1 LIQUID FILLED

SOCKET: Brass

BOURDON TUBE: Phosphor bronze - C tube to 600 psi.
AISI 316 stainless steel coiled tube 1000 psi and above.

CONNECTING JOINTS: Silver brazed

MOVEMENT: Bushed stainless steel

DIAL: White aluminum, black & red markings (psi & kPa)

POINTER: Black aluminum, micrometer adjustable

CASE: Black reinforced thermoplastic fiberglass

WINDOW: Acrylic

RING: Reinforced polypropylene

GASKETS: Ethylene propylene

ACCURACY: 0.5% ASME B40.1 Grade 2A

CONNECTIONS: 1/4" or 1/2" NPT lower

CAT. NO. LF4UGY1: Lower connection only.

NF4UGY2 NON-FILLED / LF4UGY2 LIQUID FILLED

SOCKET: AISI 316 stainless steel

BOURDON TUBE: AISI 316 S.S. - C tube to 600 psi.
Coiled tube 1000 psi and above.

CONNECTING JOINTS: Welded

MOVEMENT: Bushed stainless steel

DIAL: White aluminum, black & red markings (psi & kPa)

POINTER: Black aluminum, micrometer adjustable

CASE: Black reinforced thermoplastic fiberglass

WINDOW: Acrylic

RING: Reinforced polypropylene

GASKETS: Ethylene propylene

ACCURACY: 0.5% ASME B40.1 Grade 2A

CONNECTIONS: 1/4" or 1/2" NPT lower or lower back

CAT. NO. LF4UGY2: Lower connection only.

PRESSURE			COMPOUND		
RANGE	GRADUATIONS	FIG. INTERVAL	RANGE	GRADUATIONS	FIG. INTERVAL
0-15	0.1	1	30-0-15	0.5" Hg.-0.2p	5" Hg.-3p
0-30	0.2	5	30-0-30	1" Hg.-0.5p	10" Hg.-5p
0-60	0.5	5	30-0-60	1" Hg.-1p	10" Hg.-10p
0-100	1	10	30-0-100	2" Hg.-1p	10" Hg.-10p
0-160	1	20	30-0-150	5" Hg.-2p	10" Hg.-20p
0-200	2	20	30-0-300	5" Hg.-2p	30" Hg.-25p
0-300	2	50	VACUUM		
0-400	5	50	bar -1-0	0.01	0.1
0-600	5	50	kPa -100-0	1	10
0-800	10	100	30"-0	0.2" In. Hg.	5" In. Hg.
0-1000	10	100			
0-1500	10	200			
0-2000	20	200			
0-3000	20	500			
0-5000	50	500			
0-10000	100	1000			
0-20000	200	2000			

STAINLESS STEEL INDUSTRIAL GAUGES



LF251



LF442

Where vibration, corrosion and pulsating conditions exist, the Weiss line of stainless steel cased liquid filled and dry construction industrial pressure gauges are designed to meet the most severe applications. This series of instruments includes a wide range of accuracies, case patterns and construction materials to cover most requirements.

CHOOSE CAT. NO. – PLUS RANGE CODE – PLUS CONNECTION								
INDICATES CONSTRUCTION –			RANGE CODE		– SIZE & LOCATION			
CAT. NO. - DIAL SIZE -		INTERNALS	RANGE CODE	RANGE - psi	kPa			
LIQUID FILL			015	0-15	0-100	4L	= 1/4" Lower	
	LF251	21/2"	Bronze	030	0-30	0-200	4B	= 1/4" Back
	LF252	21/2"	316S.S.	060	0-60	0-400		
	LF441	4"	Bronze	100	0-100	0-700	2L	= 1/2" Lower
	LF442	4"	316S.S.	160	0-160	0-1100	2B	= 1/2" Back
	LF602	6"	316S.S.	200	0-200	0-1400		
DRY			300	0-300	0-2100			
			400	0-400	0-2800			
	NF252	21/2"	316S.S.	600	0-600	0-4200		
	NF401	4"	Bronze	1000	0-1000	0-7000		
	NF402	4"	316S.S.	1500	0-1500	0-10,000		
	NF601	6"	Bronze	2000	0-2000	0-14,000		
	NF602	6"	316S.S.	3000	0-3000	0-21,000		
			5000	0-5000	0-40,000			
			6000	0-6000	0-42,000			
			10000	0-10,000	0-70,000			
			15000	0-15,000	0-100,000			
			20000	0-20,000	0-140,000			
			VAC	0-30"HG	-100-0			
			V30	30"-0-30	-100-200			
			V60	30"-0-60	-100-400			
		V100	30"-0-100	-100-700				
		V150	30"-0-150	-100-1000				
		V200	30"-0-200	-100-1400				
		V300	30"-0-300	-100-2100				
Ex: LF251 – 100 – 4L								

Panel Mounting Case Styles available - see Catalog SSG-9/13

LOW PRESSURE DIAPHRAGM GAUGES

Designed for pressures below 15 psi, the Weiss Diaphragm Gauge offers an instrument highly sensitive yet durably constructed. Furnished in black drawn steel cases. Available in 2 1/2" dial size and 1 1/4" NPT lower or center back connected.

CASE: Black drawn steel, with twist lock polycarbonate window. **DIAPHRAGM:** Copper alloy.

SOCKET: Brass, 1/4" NPT lower or center back connection. **MOVEMENT:** Brass.

DIAL: White coated metal lithographed with black graduations lines and numerals.

POINTER: Balanced design, aluminum in black finish.



SERIES & TYPE		+	RANGE CODE		+	CONNECTION
		TYPE	CODE	RANGE		
DG25C	Combination Pressure Dial	C	100	100"WP&60 oz/in	4L (1/4" NPT Lower)	
DG25P	Pressure Dial	C	145	35"WP&20 oz/in	4B (1/4" NPT Back)	
DG25V	Vacuum Dial	C	015	15"WP&9 oz/in		
		P	003	0-3 PSI		
		P	005	0-5 PSI		
		P	010	0-10 PSI		
		P	015	0-15 PSI		
		P	030	0-30" WP		
		P	060	0-60" WP		
		P	100	0-100" WP		
		V	030	30-0" WV		
		V	060	60-0" WV		
		V	100	100-0" WV		

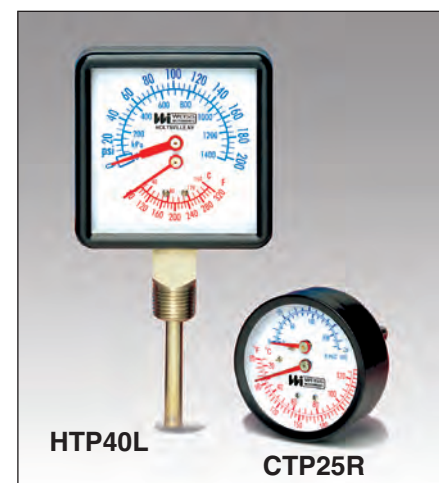
Ex: DG25P-005-4L Pressure Dial 0-5 PSI, 1/4" NPT Lower Connection

PRESSURE			COMBINATION		INNER SCALE		OUTER SCALE	
RANGE	GRADUATIONS	FIG. INTERVAL	IN. WATER OUTER SCALE	OZ. WATER INNER SCALE	GRADS	FIGURE INTERVAL	GRADS	FIGURE INTERVAL
0-3psi	0.05	0.5	0-35	0-20	0.5	5.0	0.5	5.0
0-5psi	0.1	1.0	0-15	0-9	0.2	1.0	0.2	3.0
0-10 psi	0.1	1.0	0-60	0-35	1.0	5.0	1.0	10.0
inch/water								
0-15	0.2	3.0						
0-30	0.5	5.0						
0-60	1.0	10.0						
0-100	1.0	10.0						
oz.-sq. in.			VACUUM - in water vac.					
0-10	0.1	1.0	RANGE	GRADUATIONS	FIG. INTERVAL			
0-15	0.2	3.0	30-0	0.5	5.0			
0-30	1.0	5.0	60-0	1.0	10.0			
0-100	1.0	10.0	100-0	1.0	10.0			

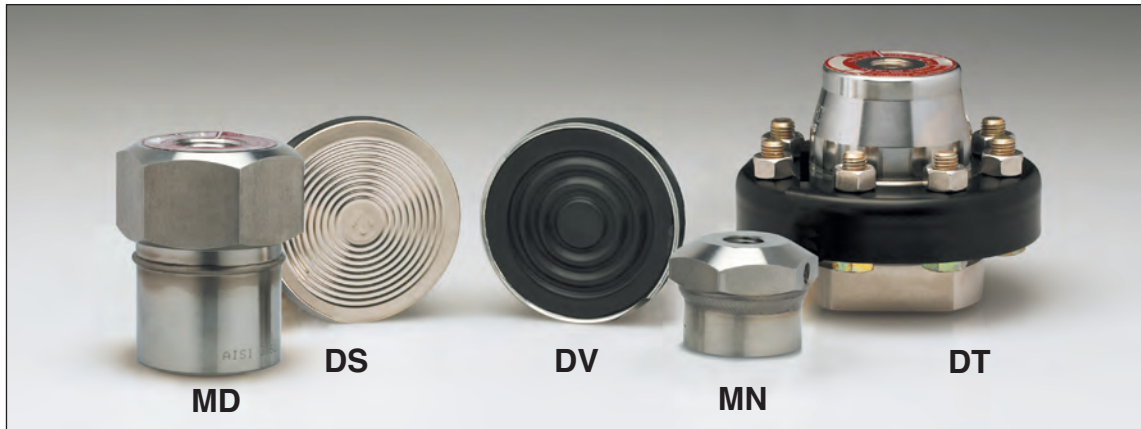
TRI-O-METERS

The Weiss Tri-o-meter is designed for use on all types of hot water heating systems. One instrument reads the water pressure, water temperature and system head in feet of H₂O. Available in 2 1/2" dial with 1/4" NPT rear connection and 3 1/2" dial with 1/2" NPT lower or rear connected.

Series C 0-75 psi & Ft. of H ₂ O 60-260F&C		
H 0-200 psi & kPa 80-320F&C		
CAT. NO.	DESCRIPTION	
CTP25R	1/4" NPT Rear	
CTP25RX	1/4" NPT Rear x 2" Extension	
CTP40RSX	1/2" NPT Rear	
CTP40L	1/2" NPT Lower	
HTP40RSX	1/2" NPT Rear	
HTP40L	1/2" NPT Lower	



DIAPHRAGM SEALS



The Weiss line of Diaphragm Seals, in conjunction with Weiss pressure indicators, offers instrumentation that's rugged and carefully calibrated to withstand the most severe industrial, process or OEM service. Our diaphragm seals are available in a variety of metal housing materials and process connection sizes to fit most requirements.

Series DS/DV/DT

Max. Pressure/Temperature Limits: Vacuum thru 2300 psi to 100°F, 1500psi to 200°F, 600 psi to 400°F.

Top Housing: 1/4" or 1/2" NPT (304 S.S. standard)

Diaphragm: 316 L S.S. welded, Viton* or Teflon**

Nuts and Bolts: Stainless Steel

Lower Housing: 1/4" thru 1" NPT

* Viton is furnished for Vacuum, 30 psi and Compound 30-0-15psi ranges.
** Teflon is available for ranges to 200 psi.

Ranges 0-30" HG, 30-0-15 psi, 30-0-30 psi. Silicone Filling only.

Ordering Code: ____ -DS____ - ____ **DS=316 SS** **Ex: 25-DS12-50**
A -DV **B C D** **DV=Viton**
 -DT **DT=Teflon**

A. Top Connection

25 = 1/4" NPT
50 = 1/2" NPT

B. Flushing/No Flushing

0 = No flushing conn.
1 = Flushing conn.

C. Lower Housing Mat'l

2 = 316 SS

D. Process Conn.

25 = 1/4" NPT
50 = 1/2" NPT
75 = 3/4" NPT
10 = 1" NPT

LIQUID FILLINGS: Food-Grade Glycerine • Silicone DC200

The Series MD/MN is a compact, lightweight, economical diaphragm seal. The upper and lower housing, as well as the diaphragm, are type 316 stainless steel - all welded together making a one piece integral unit, ideally suited for those applications where space is a factor.

The use of a hermetically sealed, liquid filled pressure gauge in conjunction with either a MD or MN seal protects the indicating gauge from both the process medium and atmospheric conditions, as well as reduces pointer fluctuations due to vibration and pulsation.

Series MD

Opr. Pressure: 60 psi thru 1000 psi

Temperature Limits: -5 to 300°F

Top Connection: 1/4" or 1/2" NPT

Process Connection: 1/4", 1/2" or 3/4" NPT

Ordering Code: ____ -MDN2- ____
A B
Ex: 25-MDN2-50

A. Top Connection

25 = 1/4" NP
50 = 1/2" NPT

B. Process Conn.

25 = 1/4" NPT
50 = 1/2" NPT
75 = 3/4" NPT

Series MN

Opr. Pressure: 100 psi thru 1000 psi

Temperature Limits: -5 to 300°F

Top Connection: 1/4" NPT

Process Connection: 1/4" or 1/2" NPT

Ordering Code: 25-MNN2- ____
X
Ex: 25-MNN2-25

X. Process Connection

25 = 1/4" NPT
50 = 1/2" NPT

GAUGE ACCESSORIES



TABLE 1 - PRESSURE SNUBBERS

STYLE CODE	HOUSING MATERIAL CODE	HOUSING MATERIAL	NPT CODE	NPT	PSI RATING AT 70°F
PSN	B	Brass	25	1/4"	1,500psi
	S	303 S.S.	50	1/2"	1,500psi

TABLE 2

POROSITY SYMBOL CODE	TYPE OF SERVICE	PORE OPENING MEAN	PORE OPENING MAX.
E	Water and Light Oil (30 to 225 SSU*)	.0013	.0025
D	Oil (225 to 500 SSU)	.0025	.005
G	Air and other Gases	.0004	.0009

*SSU - Saybolt Seconds Universal Viscosity

For complete Catalog No. use Coding from Table 1 & 2. **EX: PSN-B-25-E** = Brass Housing 1/4" NPT, E Porosity Disc.

NEEDLE VALVES

CAT. NO.	SIZE	MATERIAL	RATING
25NVBR	1/4" NPTF X 1/4" NPTF	Brass	600 psi & 300°F
25NVSS	1/4" NPTF X 1/4" NPTF	304S.S.	4000 psi & 150°F
50NVBR	1/2" NPTF X 1/2" NPTF	Brass	600 psi & 300°F
50NVSS	1/2" NPTF X 1/2" NPTF	304S.S.	4000 psi & 150°F

SYPHONS

CAT. NO.	SIZE	MATERIAL	RATING
SY-14S	1/4" NPTM x 1/4" NPTM	Iron	300 psi & 300°F
SY-14B	1/4" NPTM x 1/4" NPTM	Brass	400 psi & 300°F

NOTE: Angle Syphon available 1/4" NPTM x 1/4" NPTM Brass - **Model ASY-14B** Iron - **Model ASY-14S**
All Syphons Schedule 40. Schedule 80 available on request.

GAUGE COCKS

CAT. NO.	SIZE	MATERIAL	RATING
TC-14	1/4" NPTF x 1/4" NPTF	Brass	200 psi Hydraulic
TC-34	3/4" NPTF x 3/4" NPTF	Brass	200 psi Hydraulic
MTC-14	1/4" NPTF x 1/4" NPTM	Brass	200 psi Hydraulic
LC-14	1/4" NPTF x 1/4" NPTF	Brass	200 psi Hydraulic
LC-12	1/2" NPTF x 1/2" NPTF	Brass	200 psi Hydraulic
BTC-12	1/2" NPTF x 1/2" NPTF	Forged Brass	150 lb. Steam
BTC-14	1/4" NPTF x 1/4" NPTF	Forged Brass	150 lb. Steam
BMT-14	1/4" NPTF x 1/4" NPTM	Forged Brass	150 lb. Steam
BLC-12	1/2" NPTF x 1/2" NPTF	Forged Brass	150 lb. Steam
BLC-14	1/4" NPTF x 1/4" NPTF	Forged Brass	150 lb. Steam

BALL VALVES

CAT. NO.	SIZE	MATERIAL	RATING
BV25	1/4" NPTF x 1/4" NPTF	Chrome Plated Brass	450 psi & 250°F
BV50	1/2" NPTF x 1/2" NPTF	Chrome Plated Brass	450 psi & 250°F
MBV25	1/4" NPTF x 1/4" NPTM	Chrome Plated Brass	450 psi & 250°F

TEMP/PRESSURE TEST PLUGS

Weiss Temperature/Pressure Plugs allows for quick, efficient and accurate testing of hydronic pipe lines throughout HVAC systems. Offered in both norden (blue cap) for hot and chilled water and neoprene (red cap) for natural gas. Our plugs are consistently rated at 1000 psi. The self-sealing core insures long life and continuous service.



BP25-NP

CAT. NO.	DESCRIPTION	BODY & CAP	IDN
BP25-NR	1/4" NPT Norden	Brass	90101
BP25-NP	1/4" NPT Neoprene	Brass	90102
BP50-NR	1/2" NPT Norden	Brass	90103
BP50-NP	1/2" NPT Neoprene	Brass	90104
BP25L-NR	1/4" NPT Norden w/ 1 3/4" Lag	Brass	90105
BP25L-NP	1/4" NPT Neoprene w/ 1 3/4" Lag	Brass	90106

CAT. NO.	ACCESSORIES	IDN
TPK	Test Kit	90120
GA18	Gauge Adapter	90125
PT220	1" Dial Pocket Test 0/220°F	90130
PT125	1" Dial Pocket Test 0/125°F	90110
TL25-030-4L	2 1/2" Gauge 0-30 psi	90131
TL25-160-4L	2 1/2" Gauge 0-160 psi	90134



BP50-NR



BP25L-NR

NSF REMOTE READING DIAL THERMOMETERS



The Weiss Line of Remote Reading Dial Thermometers offers a wide variety of dial sizes and case configurations to match any installation. All items are furnished in attractive stainless steel cases and all models are NSF listed. Additional features include smart color zoned dual scales and tin plated thermal systems.

2" DIAL SIZE

SERIES FB - FRONT FLANGE BACK CONNECT					SERIES HL - HANGING BRACKET LOWER CONNECT				
NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN	NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN
RF	21FB-060	40-0-60 F&C	48"	40110	RH	21HL-060	40-0-60 F&C	48"	40170
RF	21FB-960	40-0-60 F&C	9"	40115	HF	21HL-240	40-240 F&C	48"	40180
RF	21FB-260	40-0-60 F&C	20 FT	40120					
RF	20FB-110	40-0-110 F&C	48"	40130	SERIES FL - FRONT FLANGE LOWER CONNECT				
HF	20FB-240	40-240 F&C	48"	40140	NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN
					HF	20FL-240	40-240 F&C	48"	40160
SERIES BB - BACK FLANGE BACK CONNECT									
NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN	SERIES UB - U CLAMP BACK CONNECT				
RF	20BB-060	40-0-60 F&C	48"	40220	NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN
RF	20BB-110	40-0-110 F&C	48"	40230	RU	21UB-060	40-0-60 F&C	48"	40190
HF	20BB-240	40-240 F&C	48"	40240	W	20UB-220	100-220 F&C	48"	40210
					HU	20UB-240	40-240 F&C	48"	40200

2 1/2" DIAL SIZE

SERIES FB - FRONT FLANGE BACK CONNECT					SERIES HL - HANGING BRACKET LOWER CONNECT				
NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN	NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN
RF	25FB-060	40-0-60 F&C	48"	40250	RF	25HL-060	40-0-60 F&C	48"	40280
RF	25FB-110	40-0-110 F&C	48"	40260					
HF	25FB-240	40-240 F&C	48"	40270	SERIES PB - PLAIN W/LOCK NUT BACK CONNECT				
SERIES BB - BACK FLANGE BACK CONNECT					NSF MOD.	CAT. NO.	RANGE	CAPILLARY	IDN
RF	25BB-110	40-0-110 F&C	48"	40295	RU	25PB-060	40-0-60 F&C	48"	40290

REFRIGERATION GAUGES

- Colored Liquid Filled Cases
- Guaranteed ANSI Grade B Accuracy

• Heavy Duty Internals on 41/2" Gauge

• Stainless Steel Case



These gauges are designed for the pressure measurement of refrigeration systems. Most dials are furnished with corresponding temperature scales for the various refrigerants shown below. Standard connections are 1/8" NPT bottom and back for manifold gauges and 1/4" NPT for all other versions.

TYPE	CAT. NO.	RANGE	REFRIG.SCALE	CASE	ACCURACY	NPT	IDN
Dry 21/2" Dial Manifold	RG25-120-8L RG25-500-8L	30-0-120 PSI 0-500 PSI	R12, R22, R502 R12, R22, R502	STAINLESS STEEL RED/BLUE	ANSI GRADE B 2% MID SCALE	1/8"	83035 83045
Liquid Filled 21/2" Dial Manifold	LFM502H-8L LFM502L-8L	0-500PSI 30-0-120PSI	R12, R22, R502 R12, R22, R502	STAINLESS STEEL RED/BLUE	ANSI GRADE B 2% MID SCALE	1/8"	83020 83010
	LFM507H-8L LFM507L-8L	0-500PSI 30-0-120PSI	R134a, 404A, 507 R134a, 404A, 507	STAINLESS STEEL RED/BLUE	ANSI GRADE B 2% MID SCALE		83031 83032
	LFM410H-8L LFM410L-8L	0-800PSI 30-0-250PSI	R410A R410A	STAINLESS STEEL RED/BLUE	ANSI GRADE B 2% MID SCALE		83033 83034
Liquid Filled 21/2" Dial Panel Mount	LFM502HF-8B LFM502LF-8B	0-500PSI 30-0-120PSI	R12, R22, R502 R12, R22, R502	STAINLESS STEEL FRONT FLANGE	ANSI GRADE B 2% MID SCALE	1/8"	83027 83026
	LFM502HU-8B LFM502LU-8B	0-500PSI 30-0-120PSI	R12, R22, R502 R12, R22, R502	STAINLESS STEEL U-CLAMP	ANSI GRADE B	1/8"	83029 83028
21/2" Dial Liquid Filled Stem Mount	LF251-030-4L LF251-060-4L LF251-100-4L LF251-160-4L LF251-200-4L LF251-300-4L LF251-600-4L	0-30 PSI 0-60 PSI 0-100 PSI 0-160 PSI 0-200 PSI 0-300 PSI 0-600 PSI	NOT FURNISHED	STAINLESS STEEL	ANSI GRADE B 2% MID SCALE	1/4"	83051 83052 83053 83054 83055 83056 83057
21/2" Dial Liquid Filled Front Flange	LF251F-300-4B LF251F-600-4B LF251F-V150-4B LF251F-V300-4B	0-300 PSI 0-600 PSI 30-0-150 PSI 30-0-300 PSI	NOT FURNISHED	STAINLESS STEEL	ANSI GRADE B 2% MID SCALE	1/4"	84120 84160 84210 84220
31/2" Dial Back Flange	RG35-V150-4L RG35-V300-4L RG35-0300-4L RG35-0500-4L	30-0-150 PSI 30-0-300 PSI 0-300 PSI 0-500 PSI	R12, R22, R502 R12, R22, R502 R12, R22, R502 R12, R22, R502	STAINLESS STEEL	ANSI GRADE A 1% MID SCALE	1/4"	83030 83040 83050 83060
41/2" Dial Back Flange	4RGB1-V150-4L 4RGB1-V300-4L	30-0-150 PSI 30-0-300 PSI	R12, R22, R502 R12, R22, R502	ALUMINUM	ANSI GRADE 1A 1% FULL SCALE	1/4"	83070 83080

TEMP / PRESSURE TEST PLUGS

Weiss Temperature/Pressure Plugs allows for quick, efficient and accurate testing of hydronic pipe lines throughout HVAC systems. Offered in both norden (blue cap) for hot and chilled water and neoprene (red cap) for natural gas. Weiss plugs are consistently rated at 1000 psi. The self-sealing core insures long life and continuous service.



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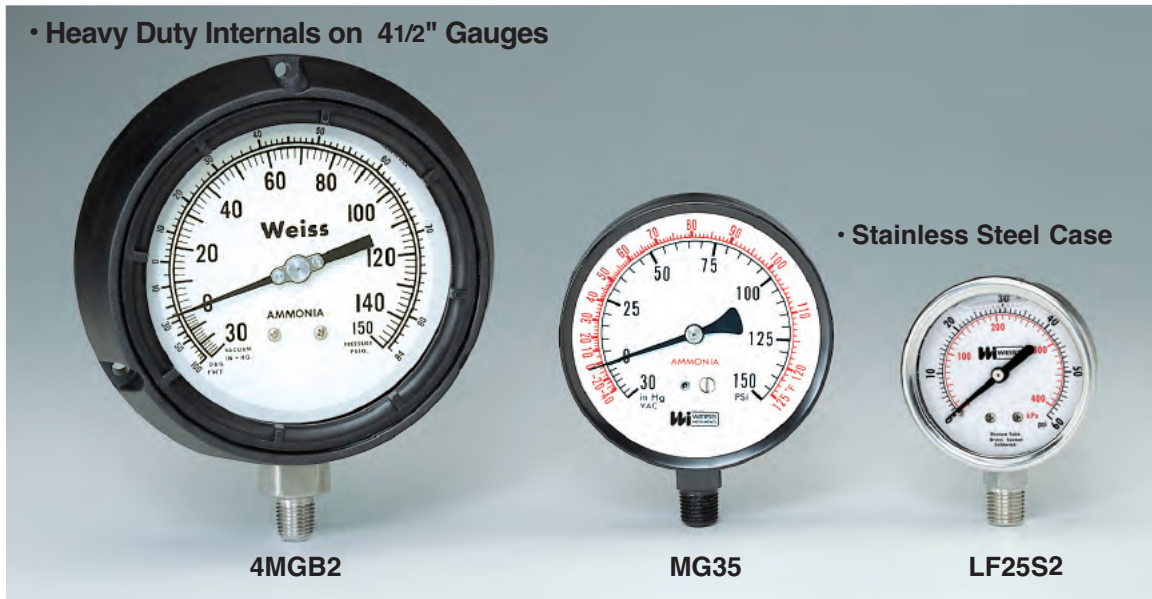
CAT. NO.	DESCRIPTION	BODY & CAP	IDN
BP25-NR	1/4" NPT Norden	Brass	90101
BP25-NP	1/4" NPT Neoprene	Brass	90102
BP50-NR	1/2" NPT Norden	Brass	90103
BP50-NP	1/2" NPT Neoprene	Brass	90104
BP25L-NR	1/4" NPT Norden w/ 13/4" Lag	Brass	90105
BP25L-NP	1/4" NPT Neoprene w/ 13/4" Lag	Brass	90106

CAT. NO.	ACCESSORIES	IDN
TPK	Test Kit	90120
GA18	Gauge Adapter	90125
PT220	1" Dial Pocket Test 0/220°F	90130
PT125	1" Dial Pocket Test 0/125°F	90110
TL25-030-4L	2 1/2" Gauge 0-30 psi	90131
TL25-160-4L	2 1/2" Gauge 0-160 psi	90134



AMMONIA GAUGES

• Heavy Duty Internals on 4 1/2" Gauges



These gauges are designed for the pressure measurement of any system or equipment charged with ammonia. Most dials are furnished with corresponding temperature scales. Black inner arc indicates pressure. Red outer arc indicates corresponding temperature. All gauges are equipped with restrictors to protect the gauges against pulsating pressure.

TYPE	CAT. NO.	RANGE	CASE	TUBE & SOCKET	ACCURACY	IDN
2 1/2" Dial Liquid Filled Stem Mount	LF25S2-V150-4L	30-0-150 PSI	STAINLESS STEEL	316 S.S.	ANSI GRADE B 2% MID SCALE	84610
	LF25S2-V300-4L	30-0-300 PSI				84620
2 1/2" Dial 3 1/2" Dial Stem Mount	MG25-V150-4L-PT	30-0-150 PSI	BLACK STEEL	316 S.S. TUBE STEEL SOCKET	ANSI GRADE B 2% MID SCALE	83110
	MG25-V300-4L-PT	30-0-300 PSI				83115
	MG35-V150-4L-PT	30-0-150 PSI				83120
	MG35-V300-4L-PT	30-0-300 PSI				83130
4 1/2" Dial Back Flange	4MGB2-V150-4L	30-0-150 PSI	ALUMINUM	316 S.S.	ANSI GRADE A 1% MID SCALE	83140
	4MGB2-V300-4L	30-0-300 PSI				83150

DIAPHRAGM GAUGES



The Weiss Series DG Gauges are used in the measurement of pressures below 10 psi. This line of diaphragm gauges offers an instrument highly sensitive yet durably constructed. Utilizing a thin walled copper-alloy, the diaphragm senses slight pressure or vacuum and expands or contracts. The action of the element is quickly and accurately indicated within 1.5% of full scale range. Some of the uses are filter monitoring, leak testers and LP gas.

CASE-Black drawn steel, with twist lock polycarbonate window. DIAPHRAGM-Copper alloy.

SOCKET-Brass, 1/4" NPT lower or center back connection. MOVEMENT-Brass.

SIZE - 2 1/2" DIAL-White coated metal lithographed with black graduations lines and numerals. POINTER-Balanced design, aluminum in black finish.

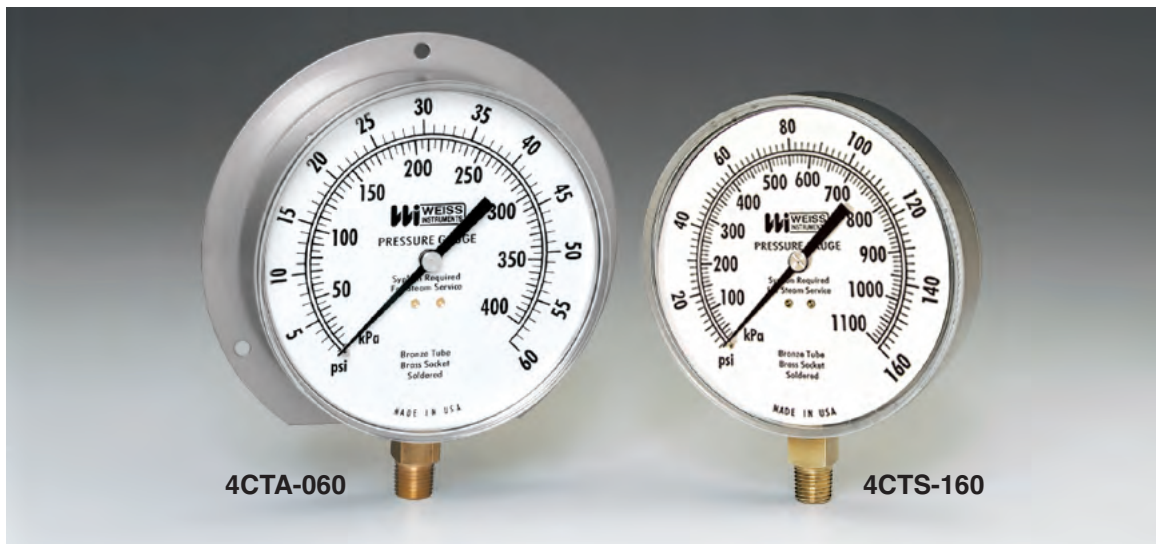
SERIES & TYPE	+ RANGE CODE			+ CONNECTION
	TYPE	CODE	RANGE	
DG25C Combination Pressure Dial	C	100	100"WP&60 oz/in	4L (1/4" NPT Lower)
DG25P Pressure Dial	C	145	35"WP&20 oz/in	4B (1/4" NPT Back)
DG25V Vacuum Dial	C	015	15"WP&9 oz/in	
	P	003	0-3 PSI	
	P	005	0-5 PSI	
	P	010	0-10 PSI	
	P	015	0-15 PSI	
	P	030	0-30" WP	
	P	060	0-60" WP	
	P	100	0-100" WP	
	V	030	30-0" WV	
	V	060	60-0" WV	
	V	100	100-0" WV	

PRESSURE	COMBINATION	
	IN. WATER OUTER SCALE	OZ. WATER INNER SCALE
Range		
0-3 psi*		
0-5 psi	0-35	0-20
0-10 psi	0-15	0-9
inch / water	0-60	0-35
0-15		
0-30		
0-60		
0-100		
oz.-sq. in.	VACUUM - in water vac.	
0-10	RANGE	
0-15*	30-0	
0-30	60-0	
0-100	100-0	

Ex: DG25P-005-4L Pressure Dial 0-5 PSI, 1/4" NPT Lower Connection

* Lower Connection only

HVAC GAUGES



Weiss CTS/CTA Pressure Gauges are designed to meet the standard specifications for Heating, Cooling and Air Conditioning applications. Two types are offered for either stem or surface mounting. Both versions conform with ANSI B40.1 accuracy Grade 1A% full scale.

STAINLESS STEEL CASE STEM MOUNTED			STAINLESS STEEL CASE-BACK FLANGE SURFACE MOUNTED		
CAT. NO.	RANGE	IDN	CAT. NO.	RANGE	IDN
4CTS-015	0-15 PSI	82010	4CTA-015	0-15 PSI	82110
4CTS-030	0-30 PSI	82020	4CTA-030	0-30 PSI	82120
4CTS-060	0-60 PSI	82030	4CTA-060	0-60 PSI	82130
4CTS-100	0-100 PSI	82040	4CTA-100	0-100 PSI	82140
4CTS-160	0-160 PSI	82050	4CTA-160	0-160 PSI	82150
4CTS-200	0-200 PSI	82060	4CTA-200	0-200 PSI	82160
4CTS-300	0-300 PSI	82070	4CTA-300	0-300 PSI	82170
4CTS-VAC	0-30" HG VAC	82080	4CTA-VAC	0-30" HG VAC	82180
4CTS-V30	30-0-30 PSI	82090	4CTA-V30	30-0-30 PSI	82190
4CTS-V60	30-0-60 PSI	82100	4CTA-V60	30-0-60 PSI	82200

TRI-O-METERS

The Weiss Tri-o-meter is designed for use on all types of hot water heating systems. One instrument reads the water pressure, water temperature and system head in feet of H₂O. Available in 2 1/2" dial with 1/4" NPT rear connection and 3 1/2" dial with 1/2" NPT lower or rear connected.

Series	C	0-75 psi & Ft. of H ₂ O	60-260F&C
	H	0-200 psi & kPa	80-320F&C
CAT. NO.	DESCRIPTION		IDN
CTP25R	1/4" NPT Rear		28807
CTP25RX	1/4" NPT Rear x 2" Ext.		28808
CTP40RSX	1/2" NPT Rear		28810
CTP40L	1/2" NPT Lower		28811
HTP40RSX	1/2" NPT Rear		28812
HTP40L	1/2" NPT Lower		28813



TRADE LINE GAUGES



Weiss TL Gauges are intended for general service conditions, for pressure or vacuum on air, oil, water, gas or other mediums that do not attack brass. TL Gauges are furnished in drawn steel cases, finished in black. The 1 1/2" dials are supplied with 1/8" NPT and 2" dial versions are available with 1/4" or 1/8" NPT connections. All other dial sizes are 1/4" NPT. All gauges conform with ANSI B40.1 accuracy Grade B-2% mid scale.

1 1/2" DIAL 1/8" NPT LOWER CONN.			1 1/2" DIAL 1/8" NPT BACK CONN.		
CAT. NO.	RANGE	IDN	CAT. NO.	RANGE	IDN
TL15-030-8L	0-30 PSI	80010	TL15-030-8B	0-30 PSI	80035
TL15-060-8L	0-60 PSI	80015	TL15-060-8B	0-60 PSI	80040
TL15-100-8L	0-100 PSI	80020	TL15-100-8B	0-100 PSI	80045
TL15-160-8L	0-160 PSI	80025	TL15-160-8B	0-160 PSI	80050
TL15-200-8L	0-200 PSI	80030	TL15-200-8B	0-200 PSI	80055
2" DIAL 1/4" NPT LOWER CONN.			2" DIAL 1/8" NPT LOWER CONN.		
CAT. NO.	RANGE	IDN	CAT. NO.	RANGE	IDN
TL20-015-4L	0-15 PSI	80101	TL20-030-8L	0-30 PSI	80116
TL20-030-4L	0-30 PSI	80102	TL20-060-8L	0-60 PSI	80117
TL20-060-4L	0-60 PSI	80103	TL20-100-8L	0-100 PSI	80118
TL20-100-4L	0-100 PSI	80104	TL20-160-8L	0-160 PSI	80119
TL20-160-4L	0-160 PSI	80105	TL20-200-8L	0-200 PSI	80120
TL20-200-4L	0-200 PSI	80106	TL20-300-8L	0-300 PSI	80121
TL20-300-4L	0-300 PSI	80107	TL20-VAC-8L	0-30" HG VAC	80122
TL20-VAC-4L	0-30" HG VAC	80108	TL20-V150-8L	30-0-150 PSI	80112
TL20-V30-4L	30-0-30 PSI	80109			
TL20-V100-4L	30-0-100 PSI	80111			
2 1/2" DIAL 1/4" NPT LOWER CONN.			4" DIAL 1/4" NPT LOWER CONN.		
CAT. NO.	RANGE	IDN	CAT. NO.	RANGE	IDN
TL25-015-4L	0-15 PSI	80130	TL40-015-4L	0-15 PSI	80160
TL25-030-4L	0-30 PSI	80131	TL40-030-4L	0-30 PSI	80161
TL25-060-4L	0-60 PSI	80132	TL40-060-4L	0-60 PSI	80162
TL25-100-4L	0-100 PSI	80133	TL40-100-4L	0-100 PSI	80163
TL25-160-4L	0-160 PSI	80134	TL40-160-4L	0-160 PSI	80164
TL25-200-4L	0-200 PSI	80135	TL40-200-4L	0-200 PSI	80165
TL25-300-4L	0-300 PSI	80136	TL40-300-4L	0-300 PSI	80166
TL25-VAC-4L	0-30" HG VAC	80137	TL40-VAC-4L	0-30" HG VAC	80167
TL25-V30-4L	30-0-30 PSI	80138	TL40-V30-4L	30-0-30 PSI	80168
TL25-V60-4L	30-0-60 PSI	80139	TL40-V60-4L	30-0-60 PSI	80169
TL25-V100-4L	30-0-100 PSI	80140	TL40-V100-4L	30-0-100 PSI	80170
TL25-V150-4L	30-0-150 PSI	80141	TL40-V150-4L	30-0-150 PSI	80171

Where vibration, corrosion and pulsating conditions exist, the Weiss line of stainless steel cased liquid filled industrial pressure gauges are designed to meet the most severe applications.

Some recommended uses are for agricultural equipment, hydraulic systems, oil field equipment, pumps, compressors and car wash systems. All liquid filled gauges are offered for direct mounting to the equipment, wall or panel mounting. With ranges from Vacuum to 15,000 psi, the Weiss line will provide the instrument for both the specific requirement of the OEM and the industrial user.

CASE STYLES

Direct Mounted, Front Flange, Back Flange and U-Clamp mounts.



C-Tube

Coiled Spiral Tube

INTERNALS

Phosphor bronze or Stainless Steel "C-Tube" or Coiled Spiral Bourdon Tube Assembly. The Coiled Spiral Bourdon Tube is standard for pressure ranges of 1000 psi and above.

LIQUID FILLINGS

Glycerine is Standard and is suitable for temperature conditions between +20°F and +150°F. Silicone filling rated at -40°F/150°F is available on special order.

INDICATING DIALS

Nominal 2 1/2", 4" and 6". Custom dials are available.

RELIEF VALVE

Provided on all Liquid Filled Pressure Gauges to compensate for internal case pressure build-up.

WARNING: Misuse of this product may cause explosion and personal injury, read ANSI B40.1 before installation or use. Glycerine can combine with *strong oxidizing agents* including (but not limited to) chlorine, nitric acid and hydrogen peroxide and result in an explosion which can cause property damage. Consult factory for proper filling medium in hazardous service. Additional information can be obtained by reading Pressure Gauge Standard ANSI/ASME B40.1 available from the *American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, NY 10017.*

Liquid Filled Gauges-Crimped Ring Stainless Steel Cases 2 1/2"

LF251



LF251U

LF251F

CASE & RING: 2 1/2" type 304 stainless steel case with polished stainless steel crimped ring.
DIAL: ABS, white with black and red markings.(psi & kPa)
WINDOW: Clear acrylic.
TUBE: Phosphor Bronze to 6000psi, 316SS to 10,000psi.
SOCKET: Brass with threaded restrictor.
POINTER: Black anodized aluminum.
MOVEMENT: Brass.
ACCURACY: $\pm 1.6\%$ of span.
CONNECTION: 1/4" NPT bottom or center back.
RANGES: Vacuum, Compound, Pressure to 10,000 psi.

PANEL MOUNTING OPTIONS

U-CLAMP: Series LF251U

FRONT FLANGE: Series LF251F

LF252



CASE & RING: 2 1/2" type 304 stainless steel case with polished stainless steel crimped ring.
DIAL: ABS, white with black and red markings.(psi & kPa)
WINDOW: Clear acrylic.
TUBE: Type 316 Stainless Steel.
SOCKET: Type 316 Stainless Steel with threaded restrictor.
POINTER: Black anodized aluminum.
MOVEMENT: Stainless Steel.
ACCURACY: $\pm 1.6\%$ of span.
CONNECTION: 1/4" NPT bottom or center back.
RANGES: Vacuum, Compound, Pressure to 10,000 psi.

PANEL MOUNTING OPTIONS

U-CLAMP: Series LF252U

FRONT FLANGE: Series LF252F

Liquid Filled Gauges-Crimped Ring Stainless Steel Cases 4"

LF441



CASE & RING: 4" type 304 stainless steel thin line case with polished stainless steel crimped ring.
DIAL: White aluminum with black and red markings. (psi & kPa)
WINDOW: Clear acrylic.
TUBE: Phosphor Bronze.
SOCKET: Brass with threaded restrictor.
POINTER: Black anodized aluminum.
MOVEMENT: Brass rotary type with bushings.
ACCURACY: 1% of span.
CONNECTION: 1/4" NPT bottom.
RANGES: Vacuum, Compound, Pressure to 1000 psi.

PANEL MOUNTING OPTIONS

BACK FLANGE: Series LF441BF

Liquid Filled Gauges-Crimped Ring Stainless Steel Cases 4"

LF442



CASE & RING: 4" type 304 stainless steel case with polished stainless steel crimped ring.

DIAL: White aluminum with black and red markings.

WINDOW: Safety glass.

TUBE: Type 316 stainless steel.

SOCKET: Type 316 S.S. with threaded restrictor.

POINTER: Black anodized aluminum.

MOVEMENT: Stainless steel rotary type with bushings.

ACCURACY: 1% of span.

CONNECTION: 1/4" NPT bottom or center back.

RANGES: Vacuum, Compound, Pressure to 15,000 psi.

PANEL MOUNTING OPTIONS

FRONT FLANGE: Series LF442F

BACK FLANGE: Series LF442BF

Liquid Filled Gauges-Bayonet Ring Stainless Steel Cases 6"

LF602



CASE & RING: 6" type 304 stainless steel case with polished stainless steel bayonet ring.

DIAL: White aluminum with black and red markings.

WINDOW: Tempered Glass.

TUBE: Type 316 stainless steel.

SOCKET: Type 316 stainless steel with threaded restrictor

POINTER: Black anodized aluminum, micro adjustable.

MOVEMENT: Stainless steel rotary type with bushings.

ACCURACY: 1/2% of span.

CONNECTION: 1/4" NPT bottom.

RANGES: Vacuum, Compound, Pressure to 15,000 psi.

PANEL MOUNTING OPTIONS

BACK FLANGE: Series LF602BF

Panel Mounting Options



FRONT FLANGE: Series LF442F



BACK FLANGE: Series LF602BF

NF252



CASE & RING: 2 1/2" type 304 stainless steel case with polished stainless steel bayonet lock ring.

DIAL: ABS, white with black and red markings (psi & kPa).

WINDOW: Clear acrylic.

TUBE: Type 316 stainless steel.

SOCKET: Type 316 stainless steel with threaded restrictor.

POINTER: Black anodized aluminum, adjustable.

MOVEMENT: Stainless steel.

ACCURACY: $\pm 1.6\%$ of span.

CONNECTION: 1/4" NPT bottom or center back.

RANGES: Vacuum, Compound, Pressure to 6000 psi.

NF402



CASE & RING: 4" type 304 stainless steel case with polished stainless steel bayonet ring.

DIAL: White aluminum with black and red markings (psi & kPa).

WINDOW: Safety glass.

TUBE: Type 316 Stainless Steel.

SOCKET: Type 316 Stainless Steel with threaded restrictor.

POINTER: Black anodized aluminum, micro adjustable.

MOVEMENT: Stainless Steel rotary type with bushings.

ACCURACY: 1% of span.

CONNECTION: 1/4" NPT bottom.

RANGES: Vacuum, Compound, Pressure to 5,000 psi.

PANEL MOUNTING OPTIONS

BACK FLANGE: Series NF402BF

NF602



CASE & RING: 6" type 304 stainless steel case with blow out disc, polished stainless steel bayonet ring.

DIAL: White aluminum with black and red markings.

WINDOW: Tempered Glass.

TUBE: Type 316 Stainless Steel.

SOCKET: Type 316 Stainless Steel with threaded restrictor.

POINTER: Black anodized aluminum, micro adjustable.

MOVEMENT: Stainless steel rotary type with bushings.

ACCURACY: 1/2% of span.

CONNECTION: 1/4" NPT bottom.

RANGES: Vacuum, Compound, Pressure to 15,000 psi.

PANEL MOUNTING OPTIONS

BACK FLANGE: Series NF602BF

Industrial Stainless Steel Cases 4" and 6" - Copper Alloy Wetted Parts

NF401



CASE & RING: 4" type 304 stainless steel case with polished stainless steel bayonet ring.

DIAL: White aluminum with black and red markings (psi & kPa).

WINDOW: Clear acrylic.

TUBE: Phosphor Bronze to 600psi, 316SS to 5,000psi.

SOCKET: Brass with threaded restrictor.

POINTER: Black anodized aluminum, adjustable.

MOVEMENT: Brass rotary type with bushings.

ACCURACY: 1% of span.

CONNECTION: 1/4" NPT bottom.

RANGES: Vacuum, Compound, Pressure to 5000 psi.

PANEL MOUNTING OPTIONS

BACK FLANGE: Series NF401BF

NF601



CASE & RING: 6" type 304 stainless steel case with blow out disc, polished stainless steel bayonet ring.

DIAL: White aluminum with black and red markings (psi & kPa).

WINDOW: Tempered Glass.

TUBE: Phosphor Bronze.

SOCKET: Brass with threaded restrictor.

POINTER: Black anodized aluminum, micro adjustable.

MOVEMENT: Stainless steel rotary type with bushings.

ACCURACY: 1/2% of span.

CONNECTION: 1/4" NPT bottom.

RANGES: Vacuum, Compound, Pressure to 600 psi.

PANEL MOUNTING OPTIONS

BACK FLANGE: Series NF601BF

Panel Mounting Options

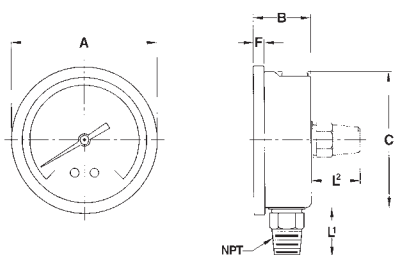


BACK FLANGE: Series NF401BF



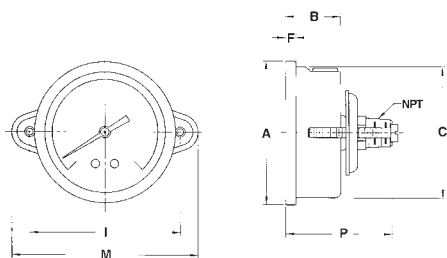
BACK FLANGE: Series NF601BF

Case Dimensions LF & NF25



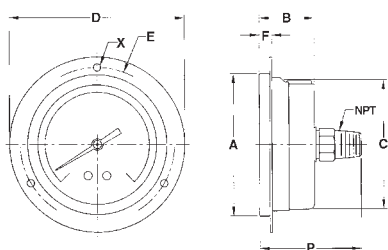
LOWER AND CENTER BACK CONNECTION

SERIES		A	B	C	F	L ₁	L ₂	NPT
LF251	INCH	2.68	1.18	2.45	.24	.93	1.00	1/4"
LF252	MM	68	30	62	6	24	25	
NF252								



U CLAMP MOUNT - CENTER BACK CONNECTION

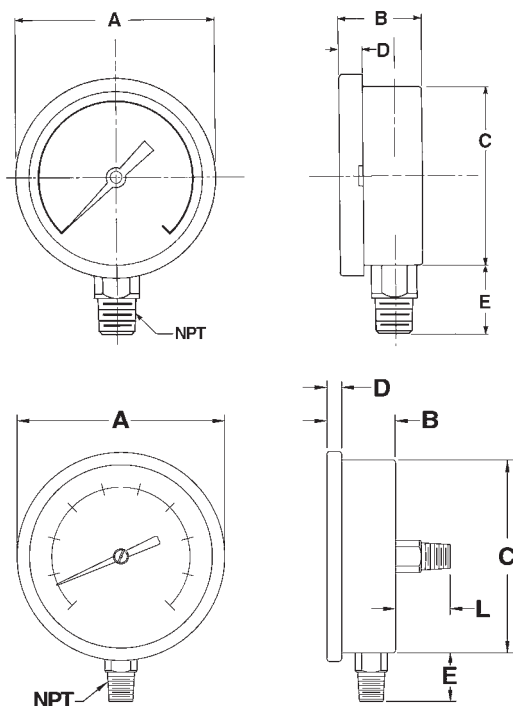
SERIES		A	B	C	F	I	M	P	PANEL HOLE	NPT
LF251U	INCH	2.68	1.18	2.45	.24	3.15	3.66	2.20	2.50	1/4"
LF252U	MM	68	30	62	6	80	93	56	64	



FRONT FLANGE - CENTER BACK CONNECTION

SERIES		A	B	C	D	E	F	P	X	PANEL HOLE	NPT
LF251F	INCH	2.68	1.18	2.45	3.45	2.95	.28	2.20	.19	2.65	1/4"
LF252F	MM	68	30	62	88	75	7	56	5	67	

Case Dimensions LF & NF4



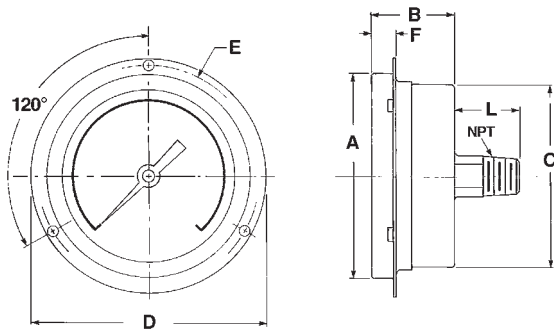
LOWER CONNECTION

SERIES		A	B	C	D	E	NPT
NF401	INCH	4.35	1.54	3.91	.58	1.24	1/4"
NF402	MM	110	39	99	15	31.5	

LOWER AND CENTER BACK CONNECTION

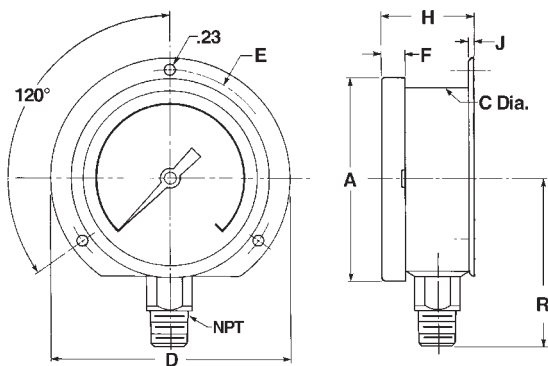
SERIES		A	B	C	D	E	L	NPT
LF441	INCH	4.28	1.42	3.97	.31	.95	1.13	1/4"
LF442	MM	109	36	101	8	24	29	

Case Dimensions LF & NF4



FRONT FLANGE - CENTER BACK CONNECTION

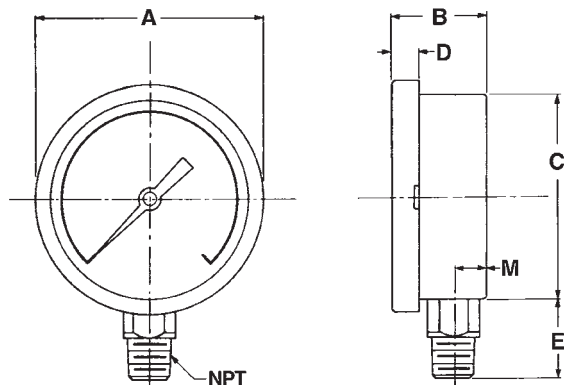
SERIES		A	B	C	D	E	F	L	PANEL HOLE	NPT
LF442F	INCH	4.28	1.43	3.97	5.17	4.62	.39	1.37	4.10	1/4"
	MM	109	36	101	130	118	10	34.8	104	



BACK FLANGE - LOWER CONNECTION

SERIES		A	C	D	E	F	H	R	J	NPT
LF441BF NF401BF LF442BF NF402BF	INCH	4.28	3.97	5.16	4.65	.31	1.43	3.08	.04	1/4"
	MM	109	101	131	118	8	36	78	1	

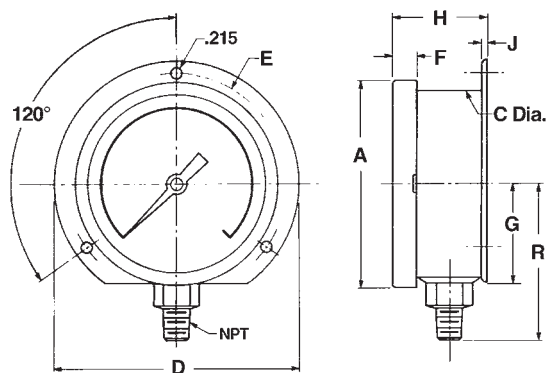
Case Dimensions LF & NF6



LOWER CONNECTION

SERIES		A	B	C	D	E	M	NPT
NF601 LF602 NF602	INCH	6.33	1.95	5.90	.66	1.16	.60	1/4"
	MM	160	50	150	17	29	15	

Case Dimensions LF & NF6



BACK FLANGE - LOWER CONNECTION

SERIES		A	B	C	D	E	F	G	H	R	J	NPT
NF601BF	INCH	6.33	5.90	7.64	6.85	.66	3.4	1.95	4.08	4.25	.04	1/4"
LF602BF	MM	160	150	194	174	17	86	50	104	108	1	
NF602BF												

Standard Ranges

PRESSURE - Series LF & NF25

Range	Figure interval	Minor graduation
0-15	2	0.5
0-30	5	0.5
0-60	10	1
0-100	10	2
0-160	20	2
0-200	50	5
0-300	50	5
0-400	100	10
0-600	100	10
0-1000	200	20
0-1500	200	20
0-2000	500	50
0-3000	500	50
0-5000	1000	100
0-6000	1000	100
0-10,000	2000	200

COMPOUND

Range	Figure interval		Minor graduation	
	in Hg	psi	in Hg	psi
30"Hg-30psi	10	5	2	1
30"Hg-60psi	10	10	2	2
30"Hg-100psi	30	20	5	2
30"Hg-150psi	30	20	5	5
30"Hg-200psi	30	20	5	5
30"Hg-300psi	30	50	10	5

VACUUM

Range	Figure interval	Minor graduation
0-30"Hg	5" Hg	0.5" Hg

PRESSURE - Series LF & NF4 and LF & NF6

Range	Figure interval	Major grads	Minor grads
0-15	2	2	0.1
0-30	5	5	1.0
0-60	5	5	0.5
0-100	10	10	1
0-160	20	10	1
0-200	20	20	2
0-300	50	50	2
0-400	50	10	5
0-600	100	10	10
0-1000	100	10	10
0-1500	300	100	10
0-2000	200	100	20
0-3000	500	100	20
0-5000	500	100	50
0-10,000	1000	500	100
0-15,000	3000	1000	100

COMPOUND

Range	Figure interval		Minor graduation	
	in Hg	psi	in Hg	psi
30"Hg-30psi	10	5	0.5	1
30"Hg-60psi	10	10	0.5	1
30"Hg-100psi	30	10	1	2
30"Hg-150psi	30	30	1	5
30"Hg-300psi	30	50	2	10

VACUUM

Range	Figure interval	Minor graduation
0-30" Hg	5" Hg	0.5" Hg

TO SPECIFY

CHOOSE CAT. NO. – PLUS RANGE CODE – PLUS CONNECTION							
INDICATES CONSTRUCTION –			RANGE CODE –			SIZE & LOCATION	
CAT. NO. -	DIAL SIZE -	INTERNALS	RANGE CODE	RANGE - psi	kPa		
LIQUID FILL							
LF251	21/2"	Bronze	030	0-30	0-200	4L = 1/4" Lower 4B = 1/4" Back	
LF252	21/2"	316S.S.	060	0-60	0-400		
LF441*	4"	Bronze	100	0-100	0-700		
LF442*	4"	316S.S.	160	0-160	0-1100		
LF602	6"	316S.S.	200	0-200	0-1400		
			300	0-300	0-2100		
			400	0-400	0-2800		
DRY							
NF252	21/2"	316S.S.	600	0-600	0-4200		
NF401	4"	Bronze	1000	0-1000	0-7000		
NF402	4"	316S.S.	1500	0-1500	0-10,000		
NF601	6"	Bronze	2000	0-2000	0-14,000		
NF602	6"	316S.S.	3000	0-3000	0-21,000		
			5000	0-5000	0-40,000		
*Thin Line Case			6000	0-6000	0-42,000		
			10000	0-10,000	0-70,000		
			15000	0-15,000	0-100,000		
			VAC	0-30"HG	-100-0		
			V30	30"-0-30	-100-200		
			V60	30"-0-60	-100-400		
			V100	30"-0-100	-100-700		
			V150	30"-0-150	-100-1000		
			V200	30"-0-200	-100-1400		
			V300	30"-0-300	-100-2100		
Ex: LF251 – 100 – 4L							

Ex: LF251 – 100 – 4L

PRESSURE MEASUREMENT CROSS REFERENCE CHART

psi	atms.	" H ₂ O	mm H ₂ O	cm H ₂ O	oz/in ²	Kg/cm ²	" Hg	mm Hg (Torr)	cm Hg	mbar	bar	Pa (N/m ²)	kPa	MPa
1	0.0681	27.71	703.8	70.38	16	0.0704	2.036	51.715	5.17	68.95	0.0689	6895	6.895	0.0069
14.7	1	407.2	10,343	1,034.3	235.1	1.033	29.92	760	76	1013	1.013	101,325	101.3	0.1013
0.0361	0.00246	1	25.4	2.54	0.5775	0.00254	0.0735	1.866	0.187	2.488	0.00249	248.8	0.249	0.00025
0.001421	0.000097	0.0394	1	0.1	0.0227	0.0001	0.00289	0.0735	0.00735	0.098	0.000098	9.8	0.0098	0.00001
0.01421	0.000967	0.3937	10	1	0.227	0.001	0.0289	0.735	0.0735	0.98	0.00098	98	0.098	0.0001
0.0625	0.00425	1.732	43.986	4.40	1	0.0044	0.1273	3.232	0.323	4.31	0.00431	431	0.431	0.00043
14.22	0.968	394.1	100,010	1,001	227.6	1	28.96	735.6	73.56	980.7	0.981	98,067	98.07	0.0981
0.4912	0.03342	13.61	345.7	34.57	7.858	0.0345	1	25.4	2.54	33.86	0.0339	3386	3.386	0.00339
0.01934	0.001316	0.536	13.61	1.361	0.310	0.00136	0.0394	1	.1	1.333	0.001333	133.3	0.1333	0.000133
0.1934	0.01316	5.358	136.1	13.61	3.10	0.0136	0.394	10	1	13.33	0.01333	1333	1.333	0.00133
0.0145	0.000987	0.4012	10.21	1.021	0.2321	0.00102	0.0295	0.75	0.075	1	0.001	100	0.1	0.0001
14.504	0.987	401.9	10,210	1021	232.1	1.02	29.53	750	75	1000	1	100,000	100	0.1
0.000145	0.00001	0.00402	0.102	0.0102	0.00232	0.00001	0.000295	0.0075	0.00075	0.01	0.00001	1	0.001	0.000001
0.14504	0.00987	4.019	102.07	10.207	2.321	0.0102	0.295	7.5	0.75	10	0.01	1,000	1	0.001
145.04	9.869	4019	102,074	10,207	2321	10.2	295.3	7500	750.	10,000	10	1,000,000	1,000	1

WEISS INSTRUMENTS

Process Gauges

Diaphragm Seals

Accessories

Specialty Gauges



SPECIALTY GAUGE INTRODUCTION

This Specialty Gauge Catalog illustrates and describes the various pressure gauges available from Weiss Instruments in Solid Front (Safety), Solid Back Liquid-Filled or Dry configuration. These gauges ideally suit the requirements of the Process, Industrial, Power and Chemical Industries and are available with Phosphor Bronze/Brass, 316 Stainless Steel or Monel internals.

Gauge accessories such as: Siphons, Snubbers, Gauge Cocks, Needle Valves, Ball Valves and Diaphragm Seals (to prevent corrosion or clogging of Gauges) are also illustrated.

OPERATING CONDITIONS

Conditions which a pressure gauge will be subjected to are a major factor in choosing the correct indicator for each application. The following points are offered as a guide for the proper selection.

- Where vibration and pulsation exist, the liquid-filled type may be better suited.
- Gauge range should be twice that of the operating range. Additional information can be obtained by reading Pressure Gauge Standard ANSI/ASME B40.1.
- Liquid filled ambient temperature limits – Glycerine 0-150°F / Silicone 50-0-150°F
- Non-filled gauges can withstand continuous service temperatures as high as 300°F, however, excess operating temperatures should be avoided whenever possible since mid-scale accuracy will be affected by approximately 1% per 100°F ambient temperature change.
- Non-filled gauges with stainless steel components and welded joints will withstand higher temperatures for short periods of time, although other internals may be damaged and calibration permanently affected.
- For highly corrosive and/or viscous process media a diaphragm seal may be appropriate to isolate the gauge. Refer to page 11.

TO SPECIFY Ordering Information, see pages 7&8

1) Catalog Number

Dial Size	Series	Case Style	Internal Material
4 - 4 1/2"	AG-Altitude	B-Aluminum, Back Flange	1 - Bronze
6 - 6"	BG-Bellows	N-Aluminum w/o Flange	2 - 316 S.S.
8 - 8 1/2"	DG-Differential	E-Phenolic Turret	5 - Monel
	MG-Ammonia	F-Aluminum, Front Flange	
	PG-Pressure		
	UG-Ultra		
	RG-Refrigeration		
	TP-Duplex		

2) **Dial Range** - See page 9 for available Ranges

3) **NPT Size** - 1/4" or 1/2"

4) **Location of Connection** - Lower Mount (LM) or Lower Back Mount (LBM)

Ex: 6UGB-2 0-100psi 1/4"LM

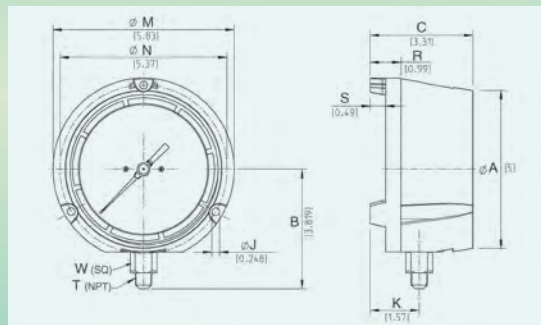
WARNING: To prevent misapplication, media and ambient operating conditions should be considered when selecting pressure gauges. Improper gauge application can be detrimental, causing failure and possible property damage or personal injury. Additional information can be obtained by reading Pressure Gauge Standard ANSI/ASME B-40.1, available from the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th St., New York, NY 10017.

4 1/2" Process Pressure Gauges

MOVEMENT - Bushed Stainless Steel Rotary
DIAL - White Aluminum, Black Markings
POINTER - Black Aluminum, Micrometer Adjustable
CASE - Black Fiberglass - Reinforced Thermoplastic (Pocan)
RING - Reinforced Polypropylene
WINDOW - Acrylic
GASKETS - Buna N
ACCURACY - 0.5% ASME B40.1 Grade 2A
CONNECTIONS - Lower 1/4" or 1/2" NPT
 Lower Back 1/4" or 1/2" NPT
 (applies to Y2 and Y5 versions)

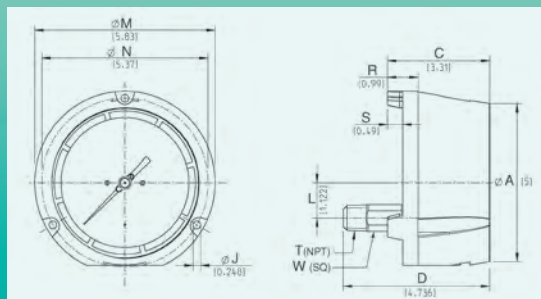


CONSTRUCTION	SOCKET	TUBE	CAT NO.
DRY	BRASS	BRONZE	NF4UGY1
DRY	316L S.S.	316L S.S.	NF4UGY2
DRY	MONEL	MONEL	NF4UGY5
LIQUID FILLED	BRASS	BRONZE	LF4UGY1
LIQUID FILLED	316L S.S.	316L S.S.	LF4UGY2
LIQUID FILLED	MONEL	MONEL	LF4UGY5



	A*	B	C	J	K	M	N	R	S	T NPT	W sq
mm	128	103 ¹	84	6.3	40	148	136.5	25	12.5	—	22
in	5.0	4.06 ¹	3.31	.248	1.57	5.83	5.37	.99	.49	1/2"	0.87

A* - Nominal Size. 1- Gauges with 1/4" NPT connection – dimension changes to 97mm (3.81 in.).



	A*	C	D	J	L	M	N	R	S	T NPT	W sq
mm	128	84	120.3	6.3	28.5	148	136.5	25	12.5	—	22
in	5.0	3.31	4.74	.248	1.12	5.83	5.37	.99	.49	1/2"	0.87

A* - Nominal Size. 1- Gauges with 1/4" NPT connection – dimension changes to 43.5mm (1.71 in.).

STANDARD RANGES

Process Pressure Gauges

PRESSURE – DUAL SCALES

OUTER (PSI)			INNER (KPa)		
Range	Graduations		Range	Graduations	
	minor graduation	figure interval		minor graduation	figure interval
0-15	0.1	2	0-100	1	10
0-30	0.2	5	0-200	2	20
0-60	0.5	5	0-400	5	50
0-100	1	10	0-600	5	100
0-160	1	20	0-1000	10	100
0-200	2	20	0-1200	10	200
0-300	2	50	0-2000	20	200
0-400	5	50	0-2500	20	500
0-600	5	50	0-4000	50	500
0-1000	10	100	0-6000	50	1000
0-1500	10	200	0-10000	100	1000
0-2000	20	200	0-12000	100	2000
0-3000	20	500	0-20000	200	2000
0-4000	50	500	0-25000	200	5000
0-5000	50	500	0-30000	200	5000
0-6000	50	500	0-40000	500	5000
0-10000	100	1000	0-60000	500	10000
0-15000	100	2000	0-100000	1000	10000
0-20000	200	2000	0-120000	1000	20000

VACUUM – DUAL SCALES

OUTER (inHg)			INNER (KPa)		
Range	Graduations		Range	Graduations	
	minor graduation	figure interval		minor graduation	figure interval
30-0	0.2	5	-100-0	1	10

COMPOUND – DUAL SCALES

OUTER (inHg/ PSI)					INNER (KPa)				
Range	Graduations				Range	Graduations			
	minor graduation	figure interval	minor graduation	figure interval		minor graduation	figure interval	minor graduation	figure interval
	vacuum (inHg)		pressure (PSI)						
30-0-15	0.5	10	0.2	5	-100-0-100	2	20	2	20
30-0-30	1	10	0.5	5	-100-0-200	2	50	2	50
30-0-60	1	10	0.5	10	-100-0-400	5	50	5	50
30-0-100	2	30	1	20	-100-0-600	5	100	5	100
30-0-150	2	30	1	20	-100-0-1000	10	100	10	200
30-0-200	5	30	2	20	-100-0-1200	20	100	20	200

ULTRA PRESSURE GAUGES

Solid Back Construction

SERIES UG-1

SOCKET - Brass

BOURDON TUBE - Phosphor Bronze C Tube to 1000 psi

CONNECTING JOINTS - Silver Brazed

MOVEMENT - Bushed Stainless Steel Rotary

DIAL - White Aluminum, Black Markings

POINTER - Black Aluminum, Micrometer Adjustable

WINDOW - Glass

ACCURACY - 0.5% ASME B40.1 Grade 2A

CONNECTIONS - 1/4" or 1/2" NPT, Lower or Lower Back

Available Dial Sizes

4 1/2" Bottom Conn.

4 1/2" Lower Back Conn.

6" Bottom & Back Conn.

6" Lower Back Conn.

8 1/2" Bottom or Lower Back

Case Styles

B, N

F

B

F

B



SERIES UG-2

SOCKET - 316 Stainless Steel

BOURDON TUBE - 316 S.S. C Tube to 1000 psi
Coiled Tube 1500 psi to 10,000 psi

CONNECTING JOINTS - Welded

MOVEMENT - Bushed Stainless Steel Rotary

DIAL - White Aluminum, Black Markings

POINTER - Black Aluminum, Micrometer Adjustable

WINDOW - Glass

ACCURACY - 0.5% ASME B40.1 Grade 2A

CONNECTIONS - 1/4" or 1/2" NPT, Lower or Lower Back

Available Dial Sizes

4 1/2" Bottom Conn.

4 1/2" Lower Back Conn.

6" Bottom & Back Conn.

6" Lower Back Conn.

8 1/2" Bottom or Lower Back

Case Styles

B, N

F

B

F

B



PRESSURE GAUGES

Solid Back Construction

SERIES PG-1

SOCKET - Brass

BOURDON TUBE - Phosphor Bronze C Tube to 1000 psi

CONNECTING JOINTS - Silver Brazed

MOVEMENT - Bushed Brass Rotary

DIAL - White Aluminum, Black Markings

POINTER - Black Aluminum, Slotted Adjustable

WINDOW - Glass

ACCURACY - 1.0% ASME B40.1 Grade 1A

CONNECTIONS - 1/4" or 1/2" NPT, Lower or Lower Back



Available Dial Sizes

4 1/2" Bottom Conn.

4 1/2" Lower Back Conn.

6" Bottom & Back Conn.

6" Lower Back Conn.

8 1/2" Bottom or Lower Back

Case Styles

B, N

F

B

F

B

Optional Gauge Features



Flush Mounting Ring



Lazy Hand Assembly



Red Set Hand



Plastic Lens



Safety Glass Lens



Bladder for Liquid Fill Kit

SPECIAL APPLICATION GAUGES



Shown with B Case

DIFFERENTIAL GAUGES-SERIES DG-1*

Measures the difference between two independent pressure sources.

FEATURES:

Brass Sockets-Phosphor Bronze Tubes.
1.0% Accuracy ASME B40.1 Grade 1A
White Aluminum Dial with Black Markings
Slotted Adjustable Pointer
Connection 1/4" and 1/2"

Available Dial Sizes

4 1/2" Bottom Conn.

Case Styles

B

6" Bottom Conn.

B

* See pertinent data in available Range Table on page 9.



Shown with B Case

DUPLEX GAUGES - SERIES TP-1

Measures two related pressures on the same dial. Top pointer is orange and the bottom pointer is black.

FEATURES:

Brass Sockets-Phosphor Bronze Tubes.
1.0% Accuracy ASME B40.1 Grade 1A
White Aluminum Dial with Black Markings
Pointer-Black Aluminum, Micrometer Adjustable
Connection 1/4" and 1/2"

Available Dial Sizes

4 1/2" Bottom Conn.

Case Styles

B



Shown with E Case

BELLOWS GAUGES-SERIES BG-1**

Sensitive bellows element for accurate measurement of pressures below 15 psi.

FEATURES:

Brass Socket-Phosphor Bronze Bellows.
1.0% Accuracy ASME B40.1 Grade 1A
White Aluminum Dial with Black Markings
Slotted Adjustable Pointer
Connection 1/4" and 1/2"

Available Dial Sizes

4 1/2" Bottom Conn.

Case Styles

E

** Also available with 316 S.S. bellows and socket, Series BG-2.



Shown with B Case

ALTITUDE GAUGES-SERIES AG-1

Reads in both altitude and psi to indicate height of water in tanks (red set pointer provided).

FEATURES:

Brass Socket-Phosphor Bronze Tube.

1.0% Accuracy ASME B40.1 Grade 1A

White Aluminum Dial with Black Markings

Slotted Adjustable Pointer

Connection 1/4" and 1/2"

Available Dial Sizes

4 1/2" Bottom Conn.

Case Styles

B, N



Shown with N Case

REFRIGERATION GAUGES-SERIES RG-1

Reads in both psi and corresponding refrigerant temperature. For R12, R22 and R502

FEATURES:

Brass Socket-Phosphor Bronze Tube.

1.0% Accuracy ASME B40.1 Grade 1A

White Aluminum Dial with Black Markings

Slotted Adjustable Pointer

Connection 1/4" and 1/2"

Available Dial Sizes

4 1/2" Bottom Conn.

Case Styles

B, N



Shown with B Case

AMMONIA GAUGES-SERIES MG-2

Reads in both psi and corresponding ammonia temperature.

FEATURES:

Stainless Steel Socket and Tube.

1.0% Accuracy ASME B40.1 Grade 1A

White Aluminum Dial with Black Markings

Slotted Adjustable Pointer

Connection 1/4" and 1/2"

Available Dial Sizes

4 1/2" Bottom Conn.

Case Styles

B, N

STANDARD RANGES

SERIES UG-1 UG-2 PG-1 TP-1

PRESSURE		
PSI	GRADUATIONS	FIGURE INTERVAL
0-15	0.2	1
0-30	0.5	5
0-60	1	10
0-100	1	10
0-160	2	20
0-200	2	20
0-300	5	50
0-400	5	50
0-600	10	100
0-1,000	10	100
0-1,500	20	300
0-2,000	20	200
0-3,000	25	300
0-5,000	50	500
0-10,000	100	1,000
0-20,000	200	2,000
COMPOUND—In. Hg. Vac.-PSI		
30"-0- 15	1" & 0.5	5" & 3
30"-0- 30	1" & 1	10" & 5
30"-0- 60	1" & 1	10" & 10
30"-0-100	5" & 1	15" & 10
30"-0-150	5" & 5	30" & 25
30"-0-200	5" & 5	30" & 20
30"-0-300	5" & 5	30" & 50
30"-0-400	5" & 5	30" & 50
30"-0-600	5" & 10	30" & 100
VACUUM—In. Hg. Vac.		
0-30"	0.5"	5"

SERIES BG-1 BG-2

PRESSURE			
INCH/WATER	GRADS	FIG. INTV.	DIAL ARC
0- 10"*	0.2"	2"	90°
0- 15"	0.5"	5"	90°
0- 20"	1"	2"	180°
0- 30"	1"	5"	215°
0- 40"	1"	5"	270°
0- 60"	1"	5"	270°
0- 80"	1"	10"	270°
0-100"	1"	10"	270°
0- 5 psi	1 oz.	1	270°
0- 10 psi	2 oz.	1	270°
COMPOUND			
10" Water Pres. 10" Water Vac.	0.5"	2"	180°
40" Water Pres. 20" Water Vac.	1"	10"	270°
5 lbs. PSI & 10" Water Vac.	.2 & .1	2" & 1	270°
VACUUM			
0-5" Hg. Vac.	1"	1"	270°
0-10" Hg. Vac.	0.2"	2"	180°
0-40" Water-Vac.	1"	5"	270°

*Not available in BG-2

SERIES RG-1

REFRIGERATION		
INCH/PSI	GRADUATIONS	FIGURE INTV.
30"-0-150	5" & 5	30" & 25
30"-0-300	5" & 5	30" & 25
0-300	5	25
0-500	10	50

Temperature Scale R12, R22,R502

SERIES MG-2

AMMONIA		
INCH/PSI	GRADUATIONS	FIGURE INTV.
30"-0-150	5" & 5	30" & 25
30"-0-300	5" & 5	30" & 25

SERIES AG-1

ALTITUDE		
FEET	GRADUATIONS	FIGURE INTV.
0- 30	0.5	5
0- 70	1	10
0- 100	1	10
0- 160	2	20
0- 200	2	20
0- 300	5	50
COMBINATION		
PSI/Ft.	GRADUATIONS	FIGURE INTV.
15 & 35'	0.2 & 0.5'	3 & 5'
30 & 70'	1 & 1'	5 & 10'
60 & 140'	1 & 2'	10 & 20'
100 & 231'	2 & 5'	10 & 25'
150 & 345'	5 & 5'	25 & 20'
200 & 460'	5 & 5'	20 & 50'
300 & 690'	5 & 10'	25 & 50'

SERIES DG-1

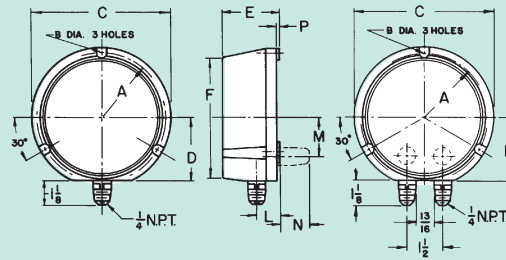
DIFFERENTIAL			
DGC RANGES	GRADS	FIG. INTV.	STATIC PRESSURE LIMITS
30-0- 30	1	5	45
50-0- 50	1	10	75
100-0-100	2	20	150
200-0-200	5	50	300
300-0-300	10	100	350
DGL RANGES	GRADS	FIG. INTV.	STATIC PRESSURE
0- 30	0.5	5	45
0- 60	1	10	90
0- 100	1	10	150
0- 160	2	20	240
0- 200	2	20	300
0- 300	5	50	450
0- 400	5	50	600
0- 600	10	100	600
0- 700	10	100	700
0- 800	10	100	800
0-1,000	10	100	1,000

* Differential Pressure Gauges measure the difference between two separate pressure sources. Dial with "O" at the top center indicates the amount one pressure source is higher than the other. Dial with "O" at the left side indicates the Differential between high and low pressure.

CASE DIMENSIONS

STYLE E - For Wall, Panel or Direct Mounting

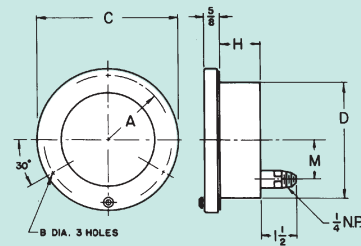
DIAL SIZE	A	B	C	D	E	F	L	M	N	P
4½"	2.69	.22	5.81	2.62	2.37	5.06	.91	1.62	1.62	.062
8½"	4.81	.28	10.25	4.69	2.47	8.97	1.06	2.12	1.62	.062



STYLE F - Black Aluminum with Hinged Ring Front Flange

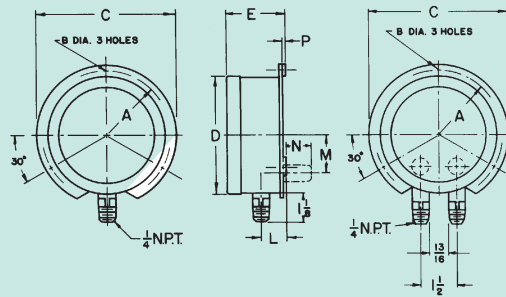
DIAL SIZE	A	B	C	D	H	M	X
4½"	2.69	.22	6	4.81	2.03	1.62	4.87
6"	3.50	.22	7.62	6.34	1.66	1.62	6.47

X - Panel Hole cut-out diameter.



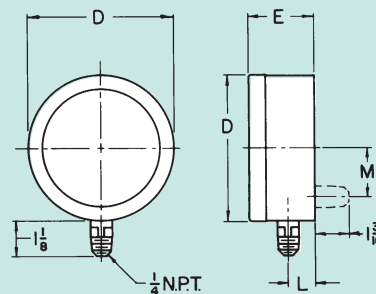
STYLE B - Black Aluminum Case & Twist Ring Back Flange

DIAL SIZE	A	B	C	D	E	L	M	N	P
4½"	2.68	.22x.29	5.87	4.97	2.44	1	1.62	1.62	.156
6"	3.5	.28x.36	7.62	6.47	2.58	1.03	1.62	1.62	.156
8½"	4.81	.28	10.25	8.94	2.94	.97	2.12	1.62	.062



STYLE N - Black Aluminum Case & Twist Ring No Flange

DIAL SIZE	D	E	L	M
4½"	4.97	2.40	.84	1.62



Series DS/DV/DT

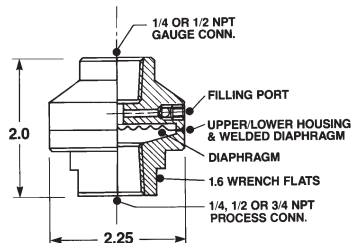
Lower Housing: 1/4" thru 1" NPT

Ranges 0-30" HG, 30-0-15 psi, 30-0-30 psi. Silicone Filling only.

25 = 1/4" NPT
50 = 1/2" NPT
75 = 3/4" NPT
100 = 1" NPT

Series MD

Ordering Code: -MDN2-
 A **B**
Ex: 25-MDN2-50



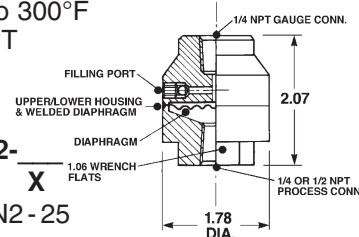
25 = 1/4" NPT
50 = 1/2" NPT
75 = 3/4" NPT

Series MN

Ordering Code: 25-MNN2-

Ex: 25-MNN2 - 25

25 = 1/4" NPT
50 = 1/2" NPT



11

GAUGE ACCESSORIES



FORGED BRASS COCKS

CAT. NO.	SIZE	MATERIAL	RATING
BTC-14	1/4" NPTF x 1/4" NPTF	Brass	200 psi Hydraulic

BRASS GAUGE COCKS

CAT. NO.	SIZE	MATERIAL	RATING
TC-14	1/4" NPTF x 1/4" NPTF	Brass	200 psi Hydraulic
MTC-14	1/4" NPTF x 1/4" NPTM	Brass	200 psi Hydraulic
LC-14	1/4" NPTF x 1/4" NPTF	Brass	200 psi Hydraulic
LC-12	1/2" NPTF x 1/2" NPTF	Brass	200 psi Hydraulic

NEEDLE VALVES

CAT. NO.	SIZE	MATERIAL	RATING
25NVBR	1/4" NPTF X 1/4" NPTF	Brass	600 psi & 300°F
25NVSS	1/4" NPTF X 1/4" NPTF	304S.S.	4000 psi & 150°F

SYPHONS

CAT. NO.	SIZE	MATERIAL	RATING
SY-14S	1/4" NPTM x 1/4" NPTM	Iron	300 psi & 300°F
SY-14B	1/4" NPTM x 1/4" NPTM	Brass	400 psi & 300°F
SY-14SS304	1/4" NPTM x 1/4" NPTM	304SS	430 psi & 800°F
SY-14SS316	1/4" NPTM x 1/4" NPTM	316SS	450 psi & 800°F
ASY-14S	1/4" NPTM x 1/4" NPTM	Iron (Angle)	300 psi & 300°F
ASY-14B	1/4" NPTM x 1/4" NPTM	Brass (Angle)	400 psi & 300°F

All Syphons Schedule 40. Schedule 80 available on request.

PRESSURE SNUBBERS

CAT. NO.	DESCRIPTION	MATERIAL	PSI RATING AT 70°F
PSN-B-25	1/4" NPT	Brass	1,500 psi
PSN-B-50	1/2" NPT	Brass	1,500 psi
PSN-S-25	1/4" NPT	303S.S.	1,500 psi
PSN-S-50	1/2" NPT	303S.S.	1,500 psi

CHROME PLATED BRASS BALL VALVES

CAT. NO.	SIZE	MATERIAL	RATING
BV25	1/4" NPTF x 1/4" NPTF	Chrome Plated Brass	450 psi & 250°F
MBV25	1/4" NPTF x 1/4" NPTM	Chrome Plated Brass	450 psi & 250°F
BV50	1/2" NPTF x 1/2" NPTF	Chrome Plated Brass	450 psi & 250°F

WEISS INSTRUMENTS, INC.

905 WAVERLY AVE., HOLTSVILLE, NY 11742

TEL: 631-207-1200 • FAX: 631.207.0900

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WEISS INSTRUMENTS

HVAC
Utility
Diaphragm

General Service Gauges

UL NSF 372/61

Lead Free Pressure Gauges
Accessories for Potable Water



HVAC Gauges-Series 4CTN-1



Series 4CTS-1



The Weiss HVAC Gauges meet the specifications of contractors in heating, plumbing, air conditioning and ventilating applications.

This Series of gauges are intended for general service conditions, for pressure or vacuum on air, oil, water, gas or other mediums that do not attack brass.

Steam Service Gauges should be protected from excessive temperature by the installation of a coil type syphon.

(Cat.No. SY14-S iron or SY14-B brass)

SPECIFICATIONS

CASE - Black die cast aluminum, blow out disc standard.

RING - Bayonet Black Aluminum.

WINDOW - Glass window.

TUBE & SOCKET - Phosphor bronze. <0.25% Lead Free Brass.

SOLDER CONNECTION - Lead Free.

CONNECTION - 1/4" NPT Lower.

DIAL - 4 1/2" white coated metal lithographed with black graduations lines and numerals.

POINTER - Slotted adjustable.

MOVEMENT - All brass construction, precision gear and pinion.

ACCURACY $\pm 1\%$ of span- ANSI-ASME B40.1 Grade 1A.

CERTIFICATION - UL in accordance with NSF/ANSI 372/61

For use with Potable Water

OPTIONAL FEATURES - Acrylic window – Red set hand

OPERATING TEMPERATURE

Ambient: -40°F to 140°F (-40°C to 60°C)

Media: 180°F (85°C) maximum

SPECIFICATIONS

CASE & WINDOW-Drawn stainless steel, with push-in Lexan window.

TUBE & SOCKET-Phosphor bronze. <0.25% Lead Free Brass. Lead Free soldered connection.

DIAL - 4 1/2" white coated metal lithographed with black graduations lines and numerals.

MOVEMENT-All brass construction, precision gear and pinion.

POINTER-Slotted adjustable.

ACCURACY $\pm 1\%$ ANSI-ASME B40.1 Grade 1A.

CONNECTION - 1/4" NPT Lower.

CERTIFICATION - UL in accordance with NSF/ANSI 372/61

For use with Potable Water

OPTIONAL FEATURE - Red set hand

OPERATING TEMPERATURE

Ambient: -40°F to 140°F (-40°C to 60°C)

Media: 180°F (85°C) maximum

Series 4CTA-1



SPECIFICATIONS

CASE & WINDOW-Drawn stainless steel back flange with push-in Lexan window.

TUBE & SOCKET-Phosphor bronze. <0.25% Lead Free Brass. Lead Free soldered connection.

DIAL - 4 1/2" white coated metal lithographed with black graduations lines and numerals.

MOVEMENT-All brass construction, precision gear and pinion.

POINTER-Slotted adjustable.

ACCURACY $\pm 1\%$ ANSI-ASME B40.1 Grade 1A.

CONNECTION - 1/4" NPT Lower.

CERTIFICATION - UL in accordance with NSF/ANSI 372/61

For use with Potable Water

OPTIONAL FEATURE - Red set hand

OPERATING TEMPERATURE

Ambient: -40°F to 140°F (-40°C to 60°C)

Media: 180°F (85°C) maximum

Utility Gauges - Series TL



The Weiss Series TL Gauges are intended for general service conditions, for pressure or vacuum on air, oil, water, gas or other mediums that do not attack brass.

Steam Service Gauges should be protected from excessive temperature by the installation of a coil type syphon.
(Cat.No. SY14-S iron or SY14-B brass)

SPECIFICATIONS

TUBE & SOCKET - Bronze, soft soldered to socket and tip. Brass socket.

CASE & WINDOW - Drawn steel case, finished in black with push-in polycarbonate window.

DIAL - White coated metal lithographed with black and red graduations lines and numerals, dual scale - psi & kPa.

MOVEMENT - All brass construction, precision gear and pinion, mounted on socket independent of case.

POINTER - Balanced design, aluminum in black finish.

ACCURACY 2% of the middle third of the entire range. ANSI-ASME B40.1 Grade B.

LOWER CONNECTION		
DIAL SIZE	CAT. NO.	NPT CONNECTION
1 1/2"	TL15	1/8"
2"	TL20	1/8" or 1/4"
2 1/2"	TL25	1/4"
4"	TL40	1/4"
CENTER BACK CONNECTION		
DIAL SIZE	CAT. NO.	NPT CONNECTION
1 1/2"	TL15	1/8"
2"	TL20	1/8" or 1/4"
2 1/2"	TL25	1/4"

PRESSURE (psi)

Range	Figure interval	Minor graduation
0-15	1	0.5
0-30	5	0.5
0-60	5	1.0
0-100	10	2.0
0-160	20	5.0
0-200	20	5.0
0-300	30	10.0
0-400♦	50	10.0
0-600♦	50	10.0

COMPOUND Figure interval Minor graduation

Range	in Hg	psi	in Hg	psi
30"Hg-15psi♦	5	3	1	0.5
30"Hg-30psi♦	10	5	2	1
30"Hg-60psi♦	10	10	2	2
30"Hg-100psi♦	30	20	5	2

VACUUM

Range	Figure interval	Minor graduation
0-30"Hg	5"Hg	0.5"Hg

♦Ranges not available on Catalog No. TL15.

Diaphragm Gauges - Series DG25



The Weiss Series DG Gauges are used where accuracy is required in the measurement of pressures below 10 psi. This line of diaphragm gauges offers an instrument highly sensitive yet durably constructed. Utilizing a thin walled copper-alloy, the diaphragm senses slight pressure or vacuum and expands or contracts. The action of the element is quickly and accurately indicated within 1.5% of full scale range.

The Weiss Diaphragm Gauge is an excellent choice for a wide variety of applications where the standard bourdon tube gauge cannot perform reliably. Some of the uses are filter monitoring, leak testers and LP gas.

SPECIFICATIONS

CASE - Black drawn steel with twist lock polycarbonate window.

DIAPHRAGM - Copper alloy.

SOCKET - Brass, 1/4" NPT lower or center back connection.

MOVEMENT - Brass.

DIAL - 2 1/2" white coated metal lithographed with black graduations lines and numerals.

POINTER - Balanced design, aluminum in black finish. **ACCURACY** - 1.5% of full scale range.

TO SPECIFY			
SERIES	RANGE TYPE	RANGE CODE	MOUNT LOCATION
DG25	P Pressure V Vacuum O Ounce Pressure C Combination Pressure		4L 1/4" Lower 4B 1/4" Back
Ex: DG25C - 035 - 4L			

PRESSURE				COMBINATION		INNER SCALE		OUTER SCALE		CODE
RANGE	GRADUATIONS	FIG. INTERVAL	CODE	IN. WATER OUTER SCALE	OZ. WATER INNER SCALE	GRADS	FIGURE INTERVAL	GRADS	FIGURE INTERVAL	
0-3psi*	0.05	0.5	003	0-35	0-20	0.5	5.0	0.5	5.0	035
0-5 psi	0.1	1.0	005	0-15	0-9	0.2	1.0	0.2	3.0	015
0-10 psi	0.1	1.0	010	0-60	0-35	1.0	5.0	1.0	10.0	060
inch/water										
0-15	0.2	3.0	015							
0-30	0.5	5.0	030							
0-60	1.0	10.0	060							
0-100	1.0	10.0	100							
oz.-sq. in.										
0-15*	0.2	3.0	015	30-0		0.5		5.0		030
0-30	1.0	5.0	030	60-0		1.0		10.0		060
0-100	1.0	10.0	100	100-0		1.0		10.0		100
*Lower connection only.										

UL IN ACCORDANCE WITH NSF/ANSI 372/61 POTABLE WATER LEAD FREE PRESSURE GAUGES & ACCESSORIES

Series 4CTN-1



4CTS-1



4CTA-1



SINGLE, DUAL METRIC & ALTITUDE DIALS FOR 4CTS-1, 4CTN-1, 4CTA-1

PSI
PSI & kPa
PSI & Bar
PSI & Kg/cm²
PSI & FT H₂O (15 to 300 psi)

SINGLE SCALE DIALS FOR 25CTSLF

PSI (30 to 300 psi)

25CTSLF

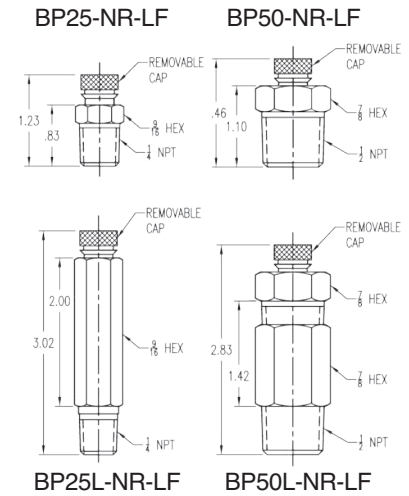


Standard Ranges

PRESSURE (psi) - Series 4CTA-1, 4CTN-1, 4CTS-1			COMPOUND			
Range	Figure interval	Minor graduation	Range	Figure interval	Minor graduation	
0-15	1	0.2			in Hg	psi
0-30	5	0.5	30"Hg - 15psi	10	5	1
0-60	5	1.0	30"Hg - 30psi	10	5	2
0-100	10	1.0	30"Hg - 60psi	10	10	2
0-160	20	2.0	30"Hg - 100psi	15	10	5
0-200	20	2.0	30"Hg - 150psi	30	20	5
0-300	50	5.0	30"Hg - 200psi	30	40	5
0-400	50	5.0	30"Hg - 300psi	30	50	10
0-600	50	10.0				psi
			VACUUM			
			Range	Figure interval	Minor graduation	
			0-30"Hg	5"Hg	0.5"Hg	

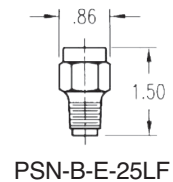
LEAD FREE PRESSURE / TEMPERATURE PLUGS FOR HVAC PIPELINE INSTALLATIONS

CAT. NO.	PLUG CORE	SIZE	MATERIAL	LAGGING EXT.
BP25-NR-LF	Nordel	1/4" NPT	Lead Free Brass	None
BP25-NP-LF	Neoprene	1/4" NPT	Lead Free Brass	None
BP25L-NR-LF	Nordel	1/4" NPT	Lead Free Brass	2"
BP25L-NP-LF	Neoprene	1/4" NPT	Lead Free Brass	2"
BP50-NR-LF	Nordel	1/2" NPT	Lead Free Brass	None
BP50-NP-LF	Neoprene	1/2" NPT	Lead Free Brass	None
BP50L-NR-LF	Nordel	1/2" NPT	Lead Free Brass	1.4"
BP50L-NP-LF	Neoprene	1/2" NPT	Lead Free Brass	1.4"



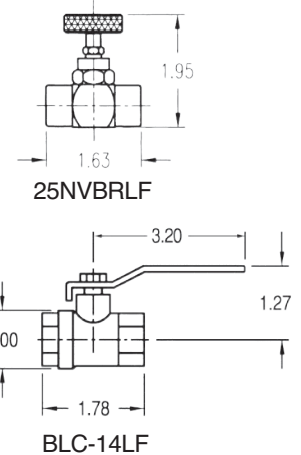
LEAD FREE SNUBBER FOR HVAC & UTILITY GAUGES

CAT. NO.	SIZE	MATERIAL	POROSITY	PSI RATING AT 70°F
PSN-B-E-25LF	1/4" FNPT x 1/4" MNPT	Lead Free Brass	E (Water & Lt Oils)	1,500 psi
PSN-B-D-25LF	1/4" FNPT x 1/4" MNPT	Lead Free Brass	D (Heavy Oils)	1,500 psi
PSN-B-F-25LF	1/4" FNPT x 1/4" MNPT	Lead Free Brass	F (Gas, Air, Steam)	1,500 psi



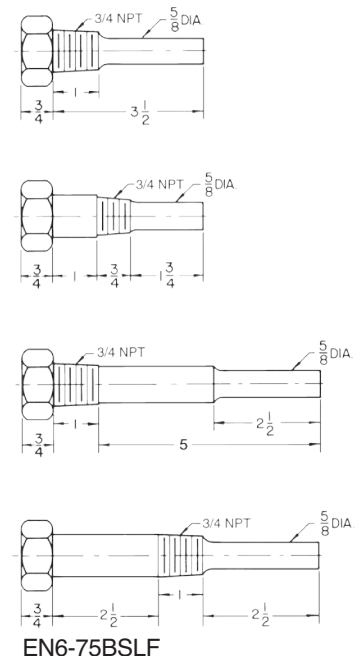
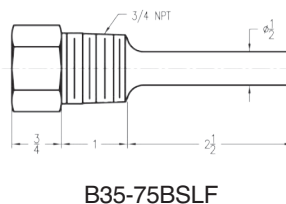
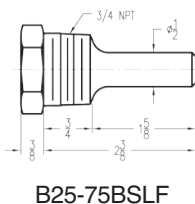
LEAD FREE NEEDLE & BALL VALVES FOR HVAC & UTILITY PRESSURE GAUGES

CAT. NO.	SIZE	MATERIAL	RATING
BLC-14LF (Ball Valve)	1/4" FNPT x 1/4" FNPT	Lead Free Brass	600 psi / 300°F
25NVBRLF (Needle Valve)	1/4" FNPT x 1/4" FNPT	Lead Free Brass	600 psi / 300°F

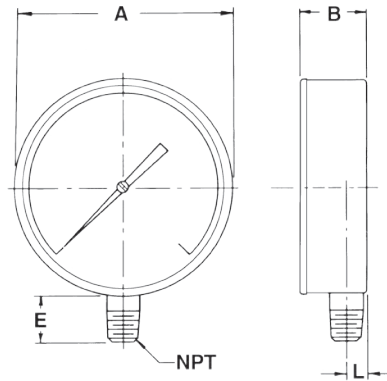


LEAD FREE THERMOWELLS FOR INDUSTRIAL GLASS, BIMETAL DIAL AND DIGITAL THERMOMETERS

CAT NO.	LENGTH	APPLICABLE TO THERMOMETER ITEMS	ANSI/ASME
E35-75BSLF	4 1/4"	9VU35, A9VU35, DVU35	B40.9
ESS35-75BSLF	4 1/4"	9VU35, A9VU35, DVU35	B40.9
ER6-75BSLF	6 3/4"	9VU6, A9VU6, DVU6	B40.9
EN6-75BSLF	6 3/4"	9VU6, A9VU6, DVU6	B40.9
B25-75BSLF	2 3/4"	5VBM25, 3VBM25	B40.9
B35-75BSLF	4 1/4"	5VBM4, 3VBM4	B40.9

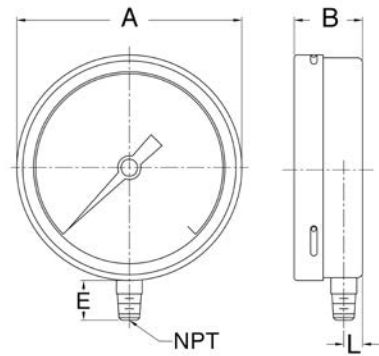


Series 4CTS-1



SERIES		A	B	E	L	NPT
4CTS	INCH	4.67	1.17	.87	.39	1/4"
	MM	118.6	29.7	22.1	9.9	

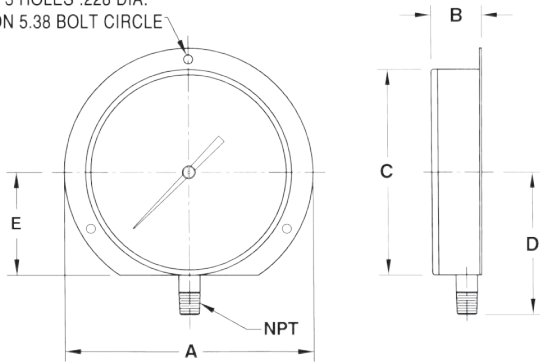
Series 4CTN-1



SERIES		A	B	E	L	NPT
4CTN	INCH	4.80	1.46	.85	.40	1/4"
	MM	122.9	37.1	21.6	10.2	

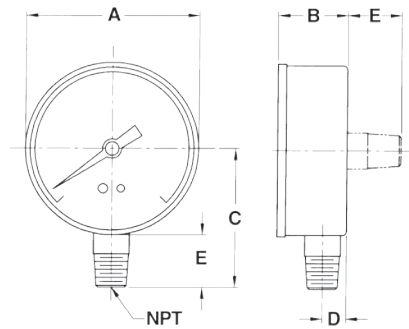
Series 4CTA-1

3 HOLES .228 DIA.
ON 5.38 BOLT CIRCLE



SERIES		A	B	C	D	E	NPT
4CTA	INCH	5.81	1.37	4.75	3.37	2.37	1/4"
	MM	147.5	34.9	120.6	85.7	60.3	

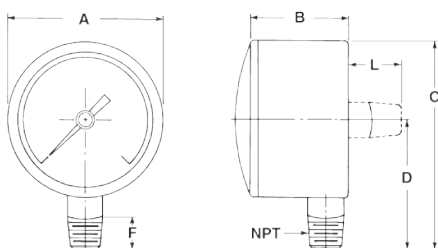
Series TL



LOWER AND CENTER BACK CONNECTION

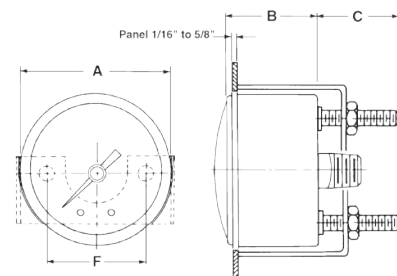
DIAL SIZE		A	B	C	D	E	NPT
1 1/2"	(IN.)	1.58	1.08	1.40	.34	.70	1/8"
2"		1.93	1.10	1.75	.40	.78	1/8 or 1/4"
2 1/2"		2.44	1.18	2.08	.40	.90	1/8 or 1/4"
4"		3.90	1.26	2.80	.40	—	1/4"

Series DG25



LOWER AND CENTER BACK CONNECTION

SERIES		A	B	C	D	F	L	NPT
DG25	INCH	2.64	1.83	2.62	55.8	.5	.88	1/4"
	MM	67	46.5	66.5	2.2	12.7	22.3	



U CLAMP MOUNT - CENTER BACK CONNECTION

SERIES		A	B	C	F	Panel Hole	NPT
DG25	INCH	2.64	1.83	1.00	2.00	2.65	1/4"
	MM	67	46.5	25.4	50.8	67.3	

Weiss Temperature /Pressure Plugs allows for quick, efficient and accurate testing of hydronic pipe lines throughout HVAC systems. Offered in both nordel (blue cap) for hot and chilled water and neoprene (red cap) for natural gas, Weiss plugs are consistently rated at 1000 PSI. The self-sealing core insures long life and continuous service.

TEST PLUGS

CAT. NO.	NPT SIZE	BODY&CAP	PLUG CORE	LAG EXT	MAX TEMP
BP25-NP	1/4"	BRASS	NEOPRENE	—	200F
BP25-NR	1/4"	BRASS	NORDEL	—	275F
BP25L-NP	1/4"	BRASS	NEOPRENE	1 3/4"	200F
BP25L-NR	1/4"	BRASS	NORDEL	1 3/4"	275F
BP50-NP	1/2"	BRASS	NEOPRENE	—	200F
BP50-NR	1/2"	BRASS	NORDEL	—	275F
BP50L-NP	1/2"	BRASS	NEOPRENE	1 1/2"	200F
BP50L-NR	1/2"	BRASS	NORDEL	1 1/2"	275F



BP25-NP



BP25L-NR



BP50-NR

STANDARD PACKS

SERIES	COUNT
BP25	35
BP25L	20
BP50	15

TEST PLUG ACCESSORIES

CAT. NO.	DESCRIPTION
GA18	Gauge adaptor w/1/8" 304SS probe (probe guard included)
GA16	Gauge adaptor w/1/16" 304SS probe (probe guard included)
RS25	Cap Retainer Strap 1/4"
RS50	Cap Retainer Strap 1/2"



RS25



GA18

INSTRUMENT ACCESSORIES

CAT. NO.	DESCRIPTION
PT220	Pocket test 1" dial thermometer 0-220F
PT125	Pocket test 1" dial thermometer 25-125F
DP300	Pocket test digital thermometer 0-300F
TL25-030-4L	Pressure gauge 0-30 PSI
TL25-060-4L	Pressure gauge 0-60 PSI
TL25-100-4L	Pressure gauge 0-100 PSI
TL25-160-4L	Pressure gauge 0-160 PSI
TL25-200-4L	Pressure gauge 0-200 PSI



PT220



TL25-100-4L

TEST KIT

CAT. NO.	DESCRIPTION
TPK	Carrying Case includes (1) TL25-030-4L (1) TL25-160-4L (1) PT220 (1) GA18



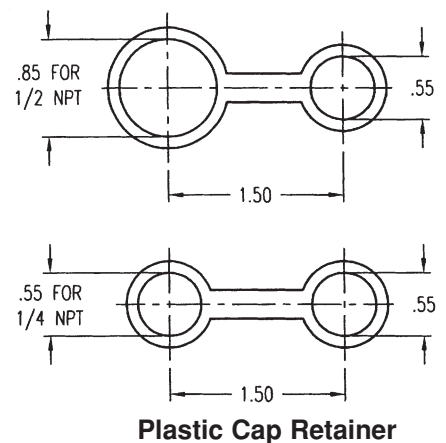
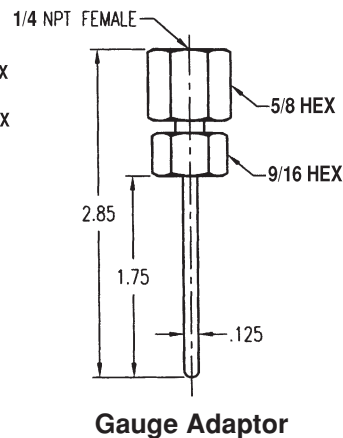
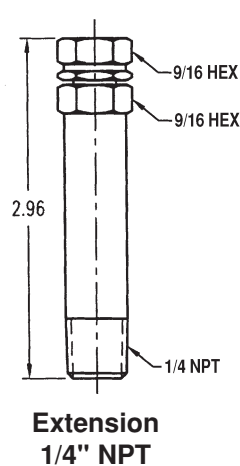
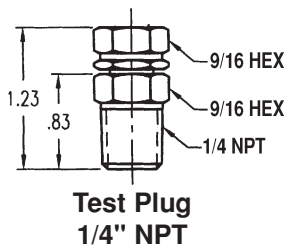
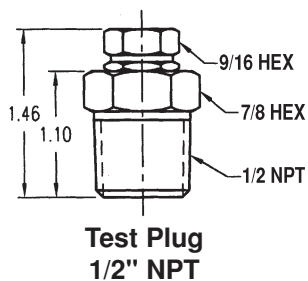
OPERATING INSTRUCTIONS

PRESSURE TEST

- 1) Thread gauge adapter onto the 1/4" NPT male thread of the pressure gauge. Use the proper pressure gauge to read the expected pressure at mid scale of the dial range.
- 2) Remove the cap from the test plug.
- 3) Insert the adapter /gauge assembly into the plug core. Read the pressure.
- 4) Remove the adapter /gauge assembly. Plug core will re-seal.
- 5) Replace the cap.

TEMPERATURE TEST

- 1) Remove the cap from the test plug.
- 2) Insert the pocket dial thermometer into the plug core. Read the temperature.
- 3) Remove the thermometer. Plug core will re-seal.
- 4) Replace the cap.



The Weiss Fire Protection Sprinkler Gauges are Underwriters Laboratory listed and Factory Mutual approved for fire protection sprinkler service. The 0-300 psi pressure range is used on "wet" systems where water is available to the sprinkler heads. The 0-80 retard to 250 psi pressure range is used on dry systems where the lines are filled with air pressure until system activation.

SPECIFICATIONS

- DIAL SIZE** - 3 1/2"
- CASE** - ABS (POLYCARBONATE)
- WINDOW** - POLYCARBONATE PUSH-IN
- ACCURACY** - ASME B40.1 Grade 3-2-3%
- TUBE & SOCKET** - BRONZE / BRASS
- CONNECTION** - 1/4" NPT LOWER
- APPROVALS** - UL / FACTORY MUTUAL
- OPERATING TEMP** -40/150°F



Zero Zone indication, a standard feature on these gauges, reduces the potential risk of installing a damaged gauge on your equipment.

CAT NO.	RANGE
SSG-300-4L	0-300 psi (Water)
SSG-080-4L	0-80 Retard to 250 psi (Air)

