

Type 2462 Duragauge® Pressure Gauge with PLUS!™ Performance Option



- **Patented Duratube™ with as-welded-tube construction controls stress for longer life**
- **“Round Cap Tip” construction lowers stresses for longer life**
- **Micrometer adjustable pointer.**
- **Exclusive Teflon coated 400 series SS rotary movement for longer life**
- **PLUS!™ Performance Option:**
 - **Liquid-filled performance in a dry gauge**
 - **Fights vibration and pulsations without liquid-filled headaches**
 - **Order as option XLL**
- **Epoxy-coated system for superior corrosion resistance**

This glass-filled polypropylene case is highly impact resistant and holds up well in most environments. This general-purpose gauge offers truly functional styling and economy. The result is a gauge that will fit most applications at a price that represents outstanding value.

PRODUCT SPECIFICATIONS

Model Number:	2462
Accuracy:	½% full scale (Grade 2A, ASME B40.1)
Ranges:	Vacuum – 30,000 psi
Dial Size:	6" diameter
Case Material:	Black polypropylene
Ring:	Bayonet lock black polypropylene
Back Cover:	Polypropylene

TEMPERATURE LIMITS			
	Ambient	Process	Storage
Dry	-20/200°F ⁽¹⁾ (-29/93°C)	-20/250°F ⁽¹⁾ (-29/121°C)	-40/250°F (-40/121°C)
PLUS!	-40/150°F (-40/66°C)	-40/200°F (-40/93°C)	-40/150°F (-40/66°C)

Note: Other than discoloration of the dial and hardening of the gasketing that may occur as ambient or process temperatures exceeds 150°F, non-liquid-filled gauges with standard glass windows, can withstand continuous operating temperatures up to 250°F (121°C). Accuracy at temperatures above or below the reference ambient temperature of 68°F (20°C) will be affected by approximately .4% per 25°F. Gauges with welded joints will withstand 750°F (450°F (232°C) with silver brazed joints) for short times without rupture, although other parts of the gauge will be destroyed and calibration will be lost. For continuous use and for process or ambient temperatures above 250°F (121°C), a diaphragm seal or capillary or siphon is recommended.

Weather Protection:	Dry Case: IP54
Window:	Glass
Dial:	Aluminum, white background, black pressure scale.
Pointer:	Micrometer adjustable
Movement:	Rotary, 400 SS, Teflon® coated pinion gear and segment
Bourdon Tube:	C510 Phos. bronze/brass (A) ⁽¹⁾
	316L SS/steel (R) ⁽²⁾
	316L SS/316L SS (S) ⁽²⁾
	K Monel/Monel (P) ⁽²⁾
Connection Size:	¼", ½" NPT
Connection Location:	Lower or back

PRODUCT OPTIONS

PLUS!™ Performance:	XLL
Fill:	Dry Only
Hermetic Seal:	H
Surface Mounting Bracket:	XBF
Flush Mounting Bracket:	XBQ
Receiver Gauge:	XPR
Shatter Proof Glass Window:	XSG
Acrylic Window:	XPD
Set Hand:	XSH
Maximum Pointer:	XEP

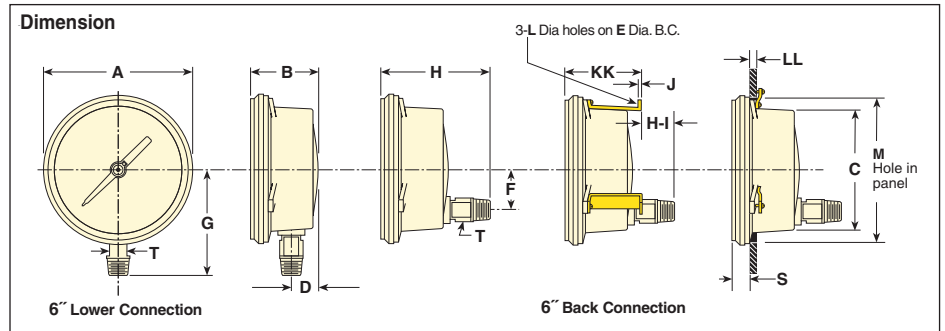
⁽¹⁾ Joints silver brazed
⁽²⁾ Joints welded

STANDARD RANGE TABLE*

Pressure – psi		
Range	Figure interval	Minor Graduation
0/15	1	0.1
0/30	5	0.2
0/60	5	0.5
0/100	10	1
0/160	20	2
0/200	20	2
0/300	50	2
0/400	50	5
0/600	50	5
0/800	100	10
0/1000	100	10
0/1500	200	20
0/2000	200	20
0/3000	500	20
0/5000	500	50
0/6000	500	50
0/10,000	1000	100
0/20,000	2000	200
0/30,000	5000	200
Vacuum		
Range	Figure Interval	Minor Grads
30/0 in. Hg	5 in	0.2 in
34/0 ft H ₂ O	5 ft	0.5 ft

*Full standard and metric equivalent range table available on our web site.

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Dial Size Inches	A	B	C	D	E	F	G	H	H-1	J	KK	L	LL		M	S	T	Wgt. (lbs)
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
6	6 ³ / ₈ (163)	2 ⁷ / ₁₆ (62)	4 ³ / ₄ (120)	7 ¹ / ₈ (22)	5 ³ / ₈ (137)	1 ¹ / ₂ (42)	3 ¹ / ₁₆ (100)	4 ⁹ / ₁₆ (116)	4 ³ / ₃₂ (109)	5 ¹ / ₄ (2)	2 ¹ / ₁₆ (69)	.218 (6)	1 ¹ / ₁₆ (2)	1/2 (13)	6 (152)	1 ¹ / ₁₆ (17)	5/8 (16)	2.0 (Dry)

Order Coding Example

SIZE	TYPE	SYSTEM (TUBE & SOCKET)	CASE DESIGN SOLID FRONT	PROCESS CONNECTION SIZE	CONNECTION LOCATION	OPTIONS (X VARIATIONS) ⁽¹⁾	RANGE	ENGINEERING UNITS ⁽¹⁾
(60) 6	2462	(A) Bronze tube, Brass socket ⁽¹⁾ (P) K-Monel tube, Monel 400 socket ⁽²⁾ (R) 316L SS tube, steel socket (S) 316L ⁽²⁾ ⁽¹⁾ Max pressure 1000psi ⁽²⁾ Max pressure 30,000psi	(S) Solid Front	(02) 14 NPT male ⁽¹⁾ (04) 1/2 NPT male ⁽¹⁾ (09) 9/16-18 UNF-2B Aminco (standard for high pressure >20,000psi) ⁽¹⁾ Max pressure 20,000psi	(B) Back (D) Side (3:00) (E) Side (9:00) (L) Lower (T) Top (12:00)	(NH) St. St. Wired Tag (TS) Throttle screw ⁽²⁾ (6B) Oxygen service (PD) Acrylic window (SG) Safety glass (EP) Maximum pointer, adjustable (SH) Red set hand, stationary (LL) PLUS! Performance (56) Flush mounting ring (C4) Individual calibration chart ⁽¹⁾ Others on request ⁽²⁾ Standard with hermetically sealed or liquid filled gauge	See website for most common ranges offered	(#) PSI (BR) Bar (KG) Kilograms/CM2 (KP) Kilopascal (IMV) Inches of Mercury Vacuum ⁽¹⁾ See website for more units of measure