

Data Sheet

2462 Duragauge® Pressure Gauge with PLUS!™ Performance Option

FEATURES

- Solid front safety case with pressure relief back
- Wide selection of bourdon tube materials, pressure connections and pressure ranges
- **PLUS!™** Performance dampens vibration, shock and pulsation effects

TYPICAL USES

- Refineries
- Chemical and Petrochemical Plants
- Offshore Oil Rigs
- Water and Wastewater Pressure Control
- Pulp and Water
- Mining and Metals
- Equipment Skids
- Specialized OEM Equipment



2462
6" dial size

SPECIFICATIONS

Accuracy:	±0.5% of span (ASME B40.100, Grade 2A)
Dial Size:	6"
Range:	Vacuum to 30,000 psi
Process Connection Location:	Lower, Back
Process Connection Size:	¼ NPT Male, ½ NPT Male, ⅜ -18 UNF-2B (high pressure connection)
Case Style:	Solid front with pressure relief back
Movement:	Rotary, Adjustable, 400 SS, Teflon® coated
Window Material:	Glass (STD.), Safety Glass, Acrylic (OPT.)
Dial:	Aluminum, white background, black pressure scale
Pointer:	Micrometer adjustable, Aluminum
Weather Protection:	Dry case: Case not sealed, recommended for weather protected environment only
Dampening Options:	PLUS!™ , Throttle screw, dampeners, capillary, diaphragm seals and snubbers
Mounting:	Stem, Surface, Flush
Approvals:	CRN

WETTED COMPONENTS

Bourdon Tube	Process Connection Materials	Joints
316L SS	316L SS	Welded
316L SS	Steel	Welded
K-Monel® 500 Tube	Monel® 400	Welded
C510 Phos. Bronze	Brass	Silver brazed

KEY BENEFITS

- Good value when 6" dial is required
- Corrosion resistance
- Uncompromised standards and material integrity

NON-WETTED COMPONENTS

Case	Ring	Pressure Relief Back
Polypropylene	Polypropylene	Polypropylene

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-20°F to 200°F (-29°C to 93°C)	-20°F to 250°F (-29°C to 121°C)	-40°F to 250°F (-40°C to 121°C)
PLUS!™	-40°F to 150°F (-40°C to 66°C)	-40°F to 200°F (-40°C to 93°C)	-40°F to 150°F (-40°C to 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). Liquid-filled gauges can withstand 200°F (93°C) but glycerin fill and acrylic window will tend to yellow. Accuracy at temperatures above or below the reference ambient temperature of 68°F (20°C) will be affected by approximately 0.4% per 25°F. Gauges with welded joints will withstand 750°F (400°C), 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.

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ORDERING CODE	Example:	602462	S	S	04	L	XLL	15#
Dial Size/Model Code								
602462 - 6" polypropylene case, solid front		602462						
System (tube and process connection)								
A - Bronze tube, brass process connection, max. pressure connection 1,000 psi								
P - K-Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi								
R - 316L SS tube, steel process connection, max. pressure 20,000 psi								
S - 316 SS tube, 316L SS process connection, max. pressure 20,000 psi			S					
Case Design								
S - Solid front case, dry				S				
Process Connection Sizes								
02 - ¼ NPT Male, N/A for ranges over 20,000 psi								
04 - ½ NPT Male, N/A for ranges over 20,000 psi					04			
09 - ⅝ 18 UNF-2B, Aminco® high pressure fitting, standard for pressures over 20,000 psi								
Process Connection Location								
L - Lower						L		
B - Back								
D - Side (3 o'clock)								
E - Side connection (9 o'clock)								
T - Top connection								
Options (If choosing an option(s) must include a "X")								X__
Dampening								
LL - PLUS! ™ Performance								LL
NZ - PLUS! ™ Performance silicone free								
TS - Throttle screw								
Case/Ring								
BQ - Flush mounting bracket								
BF - Wall mounting bracket								
Windows/Pointers								
PD - Acrylic window								
SG - Safety glass								
NG - Non-glare								
EP - Maximum pointer								
SH - Red set hand, stationary								
Other								
6B - Cleaned for gaseous oxygen service								
NH - Stainless steel tag wired to case								
DA - Dial marking, (text marking on the dial)								
AB - Gauges calibrated to compensate for absolute pressure								
OS - Overload stop								
VS - Underload stop								
HY - Hydrostatic/pneumatic testing (system pressurized to 150% of rated system pressure for 5 minutes. Overload stop standard.)								
C4 - Individual calibration chart (in accordance with ASME B40.100:2013. Accuracy traceable to N.I.S.T)								
Range (coding examples only, see range table on page 3 for all standard ranges)								
Single Scales								
15# - 15 psi								15#
1BR - 1 bar								
1KG - 1 kilograms per sq. cm								
100KP - 100 kilopascal								
Dual Scales								
15#/BR - 15 psi inner scale, 1 bar outer scale								
1BR/# - 1 bar inner scale, 15 psi outer scale								

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STANDARD PRESSURE RANGES

	psi	bar	kPa	mPa	kg/cm ²
Vacuum	30IMV	N1BR	N100KP	N1MP	N1KG
	-	N1/0.6BR	N100/60KP	0.1/0.06MP	N1/0.6KG
Compound	V/15#	-	-	-	-
	-	N1/1.5BR	N100/150KP	N0.1/0.15MP	N1/1.5KG
	V/30#	-	-	-	-
	-	N1/3BR	N100/300KP	N0.1/0.3MP	N1/3KG
	V/60#	-	-	-	-
	-	N1/5BR	N100/500KP	N0.1/.5MP	N1/5KG
	V/100#	-	-	-	-
	-	N1/9BR	N100/900KP	N0.1/.9MP	N1/9KG
	15#	1BR	100KP	0.1MP	1KG
	20#	-	-	-	-
Positive Pressure	-	1.6BR	160KP	0.16MP	1.6KG
	30#	-	-	-	-
	-	2.5BR	250KP	0.25MP	2.5KG
	60#	4BR	400KP	0.4MP	4KG
	-	6BR	600KP	0.6MP	6KG
	100#	-	-	-	-
	120#	-	-	-	-
	-	10BR	1000KP	1MP	10KG
	160#	-	-	-	-
	200#	-	-	-	-
	-	16BR	1600KP	1.6MP	16KG
	300#	-	-	-	-
	-	25BR	2500KP	2.5MP	25KG
	400#	-	-	-	-
	500#	-	-	-	-
	600#	40BR	4000KP	4MP	40KG
	800#	-	-	-	-
	-	60BR	6000KP	6MP	60KG
	1000#	-	-	-	-
	1500#	100BR	10000KP	10MP	100KG
	2000#	-	-	-	-
	-	160BR	16000KP	16MP	160KG
	3000#	-	-	-	-
	-	250BR	25000KP	25MP	250KG
	4000#	-	-	-	-
	5000#	-	-	-	-
	6000#	400BR	40000KP	40MP	400KG
	8000#	-	-	-	-
	-	600BR	60000KP	60MP	600KG
	10000#	-	-	-	-
15000#	1000BR	100000KP	100MP	1000KG	
20000#	-	-	-	-	
-	1600BR	-	160MP	1600KG	
30000#	-	-	-	-	
-	2500BR	-	250MP	2500KG	
50000#	-	-	-	-	
-	4000BR	-	400MP	4000KG	
80000#	-	-	-	-	
-	6000BR	-	600MP	6000KG	
100000#	-	-	-	-	

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DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Dial Size Inches	A	B	C	D	E	F	G	H	H ₁	J	KK	LL		M	S	T	Weight (lbs)
												Min.	Max.				
6	6 ³ / ₁₆ [163]	2 ⁷ / ₁₆ [62]	4 ³ / ₄ [120]	7 ⁷ / ₈ [22]	5 ³ / ₈ [137]	1 ⁵ / ₈ [42]	3 ¹⁵ / ₁₆ [100]	4 ⁹ / ₁₆ [116]	4 ⁴ / ₃₂ [109]	5 ³ / ₆₄ [2]	2 ¹¹ / ₁₆ [69]	1 ¹ / ₁₆ [2]	1 ¹ / ₂ [13]	6 [152]	1 ¹ / ₁₆ [17]	5 ⁵ / ₈ [16]	2.0 (Dry)

