

Type 1377 Duragauge® Pressure Gauge with PLUS!™ Performance Option



- 4½" full-size Bourdon tube
- 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 stainless steel 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

Type 1377 Duragauge® pressure gauge is offered in 4½", 6" and 8½" dial sizes.

Designed for flush mounting, this solid-front gauge is ideal for panel board applications. Its black epoxy coating and its tough aluminum weatherproof case easily allow application in a variety of climatic conditions.

PRODUCT SPECIFICATIONS

- Model Number:** 1377
- Accuracy:** ½% full scale (Grade 2A, ASME B40.100)
- Ranges:** Vacuum – 30,000 psi
- Dial Size:** 4½", 6", 8½" diameter
- Case Material:** Aluminum, black epoxy coated
- Weather Protection:** Dry Case: IP54
- Ring:** Hinged steel, black enamel
- 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 brazed (A)
316L SS/steel (R)
316L SS/316L SS (S)
K Monel/Monel (P)

Connection Size: ¼", ½" NPT

Connection Location: Lower or back

PRODUCT OPTIONS

PLUS! Performance: XLL

Fill: Dry Only

Receiver Gauge: XPR

Shatter Proof

Glass Window: XSG

Acrylic Window: XPD

Set Hand: XSH

Maximum Pointer: XEP

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

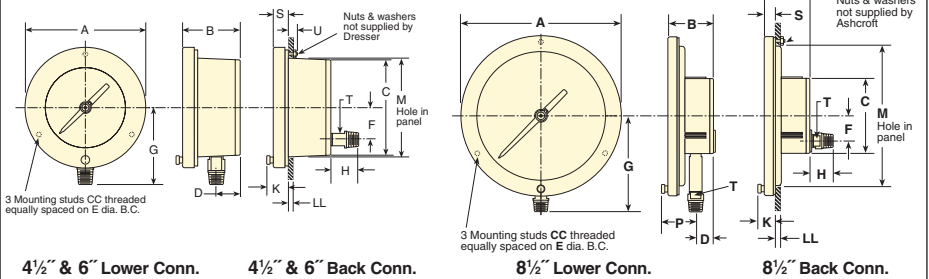
Compound				
Range	Figure Interval		Minor Grads	
	in Hg	psi	in Hg	psi
30" Hg/15 psi	5	3	0.5	0.2
30" Hg/30 psi	10	5	1	0.5
30" Hg/60 psi	10	10	1	1
30" Hg/100 psi	10	10	2	1
30" Hg/150 psi	10	20	5	2
30" Hg/200 psi	30	20	5	2
30" Hg/300 psi	30	50	5	2

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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Dimension



Dial Size Inches	A	B	C	D	E	F	G	H	K	M	P	S	T	U	CC	LL	Weight (lbs)
4½	6⅞ (148)				5⅜ (137)		3⅞ (100)			4⅞ (124)					#10-24		2½
6	7⅞ (192)	2⅞ (73)	4¾ (121)	1⅞ (27)	7 (178)	1⅞ (41)	4½ (114)	1⅜ (35)	1⅞ (27)	6½ (165)	2⅞ (54)	⅝ (16)	⅝ (16)	¾ (19)	¼-20	⅞-½ (3)(13)	3
8½	10⅞ (257)				9⅞ (244)		6 (152)			9 (229)					¼-20		4½

Table A - Case selection & mounting

Dial Size (in)	Ordering Code	Case Type	Case: Material Finish	Ring: Style Material Finish	Mounting / Connection
4½, 6, 8½	(45), (60), (85)	1377	Aluminum, Black epoxy coating	Hinged, steel Black wrinkle enamel coat	Flush – Back Stem – Lower or back

Table B - Bourdon System Selection

Ordering Code	Bourdon Tube & Tip Material (all joints TIG welded except "A")	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn. ⁽²⁾
A	Phosphor Bronze Tube-Brass Tip, Silver Brazed	Brass	C-Tube	12/1000	¼, ½
R ⁽⁴⁾	316L stainless steel	1019 steel	C-Tube	12/1500	¼, ½
			Helical	2000/20,000	¼, ½
S	316L stainless steel	316 stainless steel	C-Tube	12/1500	¼, ½
			Helical	2000/20,000	¼, ½
P ⁽³⁾	K Monel	Monel 400	C-Tube	15/1500	¼, ½
			Helical	2000/30,000	¼, ½ ⁽⁵⁾

NOTES:

- (2) Other connections available on application.
- (3) See Ashcroft product information page ASH/PI60 for compliance to NACE.
- (4) "R" Bourdon system not available in 8½" dial size.
- (5) 30,000 psi range supplied with ¼ high pressure connection, ½ NPT optional.

HOW TO ORDER:

45 1377 AS* 04L XXX 0/1,000 psi

From Table A, Dial Size: 4½" : _____

From Table A, Case Type Number: 1377 _____

From Table B, Bourdon tube and socket: _____

From Table B, Connection: ¼ NPT (02), ½ NPT (04), Lower (L), Back (B) _____

From Optional Features: _____

From Range Table: 1000 psi _____

(*) "S" denotes solid front case design