

Type 1379 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 1379 Duragauge® pressure gauge is offered in 4½", 6" and 8½" dial sizes. This rugged, solid-front aluminum case gauge is tops in its field. It is available as a weather-proof hermetically sealed or liquid-filled version in 4½" and 6" sizes in pressures to 30,000 psi. Like the 1279, it can be easily field converted from the weatherproof version to either the sealed or liquid-filled version using an optional kit. Ranges 50,000, 80,000 and 100,000 psi are available in 6" hermetically sealed and liquid-filled cases. All cases are coated with black epoxy which will withstand most environmental conditions.

PRODUCT SPECIFICATIONS

- Model Number:** 1379
- Accuracy:** ½% full scale (Grade 2A, ASME B40.100)
- Ranges:** Vacuum – 100,000 psi
- Dial Size:** 4½", 6", 8½" diameter
- Case Material:** Black, aluminum, solid front
- Weather Protection:** Dry Case: IP54
Liquid filled or hermetically sealed case: IP 65
- Ring:** Threaded reinforced black polypropylene
- Window:** Glass
- Dial:** Aluminum, white background, black pressure scale.
- Bourdon Tube and Socket:** C510 Phos. bronze/brass brazed (A)
316L SS/steel (R)
316L SS/316L SS (S)
K Monel/ Monel (P)
Inconel 718 (WW)

- Pointer:** Micrometer adjustable
- Movement:** Rotary, 400 SS, Teflon® coated pinion gear and segment
- Connection Size:** ¼", ½" NPT, ¼" high pressure
- Connection Location:** Lower or back

PRODUCT OPTIONS

- PLUS! Performance:** XLL
- Fill:** L-Glycerin-Standard
XGV-Silicone-Optional
XGX-Halocarbon-Optional
- Hermetic Seal:** H
- Flush Mounting Ring:** X56
- 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

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
0/50,000	5000	500
0/80,000	10,000	1000
0/100,000	10,000	1000

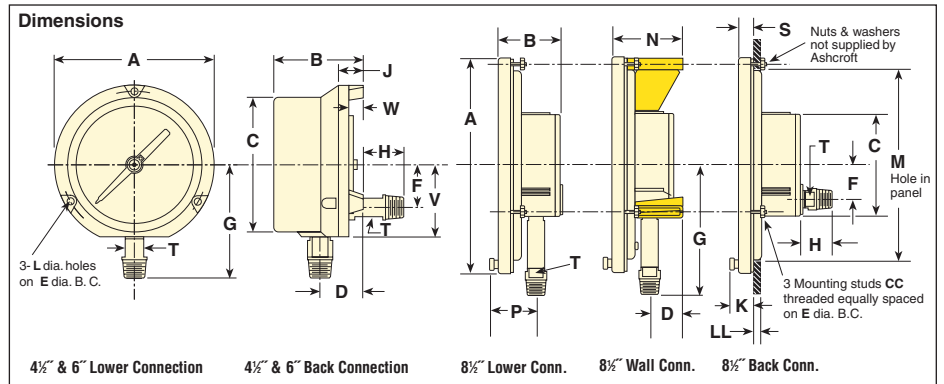
Compound				
Range	Figure Interval		Minor Grads	
	in Hg	psi	in Hg	psi
30" Hg/15 psi	5	3	0.5	0.2
30" Hg/30 psi	10	5	1	0.5
30" Hg/60 psi	10	10	1	1
30" Hg/100 psi	10	10	2	1
30" Hg/150 psi	10	20	5	2
30" Hg/200 psi	30	20	5	2
30" Hg/300 psi	30	50	5	2

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.

ISO 9001
REGISTERED FIRM

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Dial Size Inches	A	B	C	D	E	F	G	H	J	K	L	M	P	S	T	V	CC	LL	Wgt (lbs)
4½	5¼ (148)	3¼ (86)	4 (124)	1 (41)	5¾ (137)	1½ (42)	3¼ (100)	¾ (20)	1¼ (27)	—	.218 (6)	—	2¼ (54)	—	¾ (16)	2 (67)	—	—	2½
6	7¾ (192)	3½ (89)	6 (162)	1 (41)	7 (178)	1½ (42)	4½ (114)	¾ (20)	1¼ (27)	—	.218 (6)	—	2¼ (54)	—	¾ (16)	2 (67)	—	¾ (13)	3½
8½	10¼ (256)	2¾ (73)	4 (121)	1¼ (27)	9¾ (244)	1¾ (41)	6 (152)	1¾ (35)	—	1¼ (27)	—	9 (228)	—	1¼ (17)	—	—	#10-24	—	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)	1379 (1)	Aluminum, Black epoxy coating	4½, 6" Threaded reinforced polypropylene 8½" Black wrinkle enamel coat	Stem - Lower or back Surface - Lower or back Flush - Back, specify X56 8½" Standard

Table B - Bourdon System Selection

Bourdon Tube & Tip Material ⁽²⁾ (all joints TIG welded except code "A")	Socket Material ⁽²⁾	Tube & Socket Code	Case Style Code	NPT Conn. & Code	Conn. Location & Code	Range Selection Limits (psi)
C510 Grade A Phosphor Bronze Tube, Brass Tip, Silver Brazed	Brass	(A)	(S) Solid Front	(04) ½	Lower (L) Back (B)	Vac./1000
316 stainless steel	1018 steel	(R)	(S) Solid Front	(02) ¼		Vac./20,000
316 stainless steel	316 SS	(S)	(S) Solid Front	(OPT)		Vac./20,000
K 500 Monel ⁽³⁾	Monel 400	(P)	(S) Solid Front			Vac./30,000
Inconel 718®	316 SS	(WW)	(SH) Solid Front Herm. Sealed	(09) ¼ High Pres.		50,000/80,000/100,000

Notes:

- (1) Liquid-fillable or hermetically sealed when kit 101A202-01 (lower) or kit 101A203-01 (back) is ordered.
- (2) For selection of the correct Bourdon system material see the media application table.
- (3) Use on applications where NACE MR-01-75 is specified for selection of the correct Bourdon system material.

HOW TO ORDER:

45 1379 RS* 04L XXX 0/2,000 psi

From Table A, Dial Size: 4½" : _____

From Table A, Case Type Number: 1379 _____

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: 2000 psi _____

(*) "S" denotes solid front case design