NASHCROFT®

- Solid front case design with full blowout back
- Temperature compensated case
- 4¹/2["] dial size
- ASME B40.1 Grade 1A, (±1% of span) accuracy
- 300 Series SS case and ring
- Ranges from vacuum through
 100,000 psi
- New PLUS![™] Performance Option:
- Liquid-filled performance in a dry gauge
- Fights vibration and pulsations without liquid-fill headaches
- See pages 6-7 for details
- Order as option XLL

The Type 1109 Ashcroft[®] solid front stainless steel case offers many features not available elsewhere. With a true 4¹/₂″ dial size, a fully temperature compensated case and blowout back for safety, the Type 1109 offers superior readability compared to the competitive 100mm case gauges. The Type 1109 has been designed to meet the needs of both the offshore platform market and also the waterblaster or waterjet markets.

For offshore platforms the Type 1109 is available dry, liquid-filled or with the revolutionary *PLUS!*[™] performance option. The rugged design of the Type 1109 with ranges to 100,000 psi, is well suited to meet the needs of the waterblaster or waterjet market. With the *PLUS!*[™] performance standard on ranges above 30,000 psi this gauge offers superior readability and eliminates the headaches often associated with liquid-filled gauges.



General Service Gauge Type 1109, ASME B 40.1 Grade 1A (±1% of span)

Solid Front

psi psi 0/15 30 in.Hg/15 psi 0/30 30 in.Hg /30 psi 0/60 30 in.Hg /30 psi 0/100 30 in.Hg /100 psi 0/100 30 in.Hg /100 psi 0/160 30 in.Hg /150 psi 0/200 30 in.Hg /150 psi 0/200 30 in.Hg /300 psi 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000	ANDARD RANG	ES
D/15 30 in.Hg/15 psi 0/15 30 in.Hg/15 psi 0/30 30 in.Hg/30 psi 0/60 30 in.Hg/30 psi 0/100 30 in.Hg/100 psi 0/100 30 in.Hg/100 psi 0/160 30 in.Hg/150 psi 0/160 30 in.Hg/150 psi 0/200 30 in.Hg/300 psi 0/200 30 in.Hg/300 psi 0/300 0/1000 0/1500 0/2000 0/2000 0/2000 0/2000 0/2000 0/30,000 NOTE: 0/50,000 Equivalent standard 0/80,000 rarge are available	Pressure	Compound
30 in.l.g. / 30 3/30 30 in.l.g / 30 psi 3/60 30 in.l.g / 30 psi 3/60 30 in.l.g / 100 psi 3/100 30 in.l.g / 100 psi 3/160 30 in.l.g / 150 psi 3/200 30 in.l.g / 300 psi 3/200 30 in.l.g / 300 psi 3/200 30 in.l.g / 300 psi 0/400 30 in.l.g / 300 psi 0/200 30 in.l.g / 300 psi 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 <t< th=""><th>psi</th><th>psi</th></t<>	psi	psi
0/60 30 in.Hg /60 psi 0/100 30 in.Hg /60 psi 0/160 30 in.Hg /100 psi 0/160 30 in.Hg /100 psi 0/160 30 in.Hg /100 psi 0/200 30 in.Hg /300 psi 0/200 30 in.Hg /300 psi 0/400 0 0/400 0 0/2000 0 0	0/15	30 in.Hg/15 psi
0/100 30 in.Hg /100 psi 0/160 30 in.Hg /100 psi 0/160 30 in.Hg /150 psi 0/200 30 in.Hg /300 psi 0/2000 0/2000 0/2000 <td>0/30</td> <td>30 in.Hg /30 psi</td>	0/30	30 in.Hg /30 psi
x/160 30 in.Hg /150 psi y/200 30 in.Hg /150 psi y/200 30 in.Hg /300 psi y/300 30 in.Hg /300 psi y/400 30 in.Hg /300 psi y/400 <t< td=""><td>0/60</td><td>30 in.Hg /60 psi</td></t<>	0/60	30 in.Hg /60 psi
30 in.Hg /300 psi 30 in.Hg /300 psi 30/400 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000 0/4000	0/100	30 in.Hg /100 psi
0.000 0.000 0/400 0.000 0/600 0.000 0/800 0.000 0/1000 0.000 0/1000 0.000 0/2000 0.000 0/2000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000 0/20,000 0.000	0/160	30 in.Hg /150 psi
0/400 0/400 0/500 0/500 0/1000 0/1500 0/2000	0/200	30 in.Hg /300 psi
0/600 0/800 0/800 0/1000 0/1500 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/2000 0/20,000 0/20,000 0/30,000 NOTE: 0/50,000 Equivalent standard 0/80,000 kg/cm², and kPa metric xanes are available ranes are available	0/300	
3/800 3/800 3/71000 3/1100 3/1500 3/1100 3/1000 3/1100 3/1000 3/1100 3/1000 3/1100 3/1000 NOTE: 3/1000 Equivalent standard 3/1000 kg/cm², and kPa metric 3/1000 range are available	0/400	
0/1000 0/1500 0/1500 0/2000 0/2000 0/2000 0/3000 0/20,000 0/30,000 NOTE: 0/50,000 Equivalent standard 0/80,000 kg/cm², and kPa metric range are available	0/600	
3/1500 3/2000 3/2000 3/3000 3/5000 3/20,000 3/30,000 NOTE: 3/50,000 Kg/cm², and kPa metric 3/80,000 kg/cm², and kPa metric J/80,000	0/800	
0/2000)/2000 0/2000)/5000 0/10,000 0/20,000 0/20,000 NOTE: 0/50,000 Equivalent standard 0/80,000 kg/cm², and kPa metric range are available range are available	0/1000	
0/3000 0/3000 0/5000 0/10,000 0/20,000 NOTE: 0/30,000 Equivalent standard 0/50,000 kg/cm², and kPa metric 0/80,000 range are available	0/1500	
NOTE: 0/2000 NOTE: 0/20,000 Equivalent standard 0/20,000 Kg/cm² and kPa metric 0/80,000 range are available	0/2000	
NOTE: 0/20,000 NOTE: 0/20,000 Equivalent standard 0/50,000 kg/cm² and kPa metric 0/80,000 range are available	0/3000	
0/20,000 NOTE: 0/30,000 Equivalent standard 0/50,000 kg/cm² and kPa metric range are available range are available	0/5000	
0/30,000 NOTE: 0/50,000 Equivalent standard kg/cm², and kPa metric ranges are available	0/10,000	
0/50,000 Equivalent standard 0/50,000 kg/cm², and kPa metric ranges are available	0/20,000	
0/80,000 kg/cm², and kPa metric	0/30,000	
ranges are available	0/50,000	
D/100,000 ranges are available.	0/80,000	
	0/100,000	ranges are available.

BOURDON	SYSTEM SELECTION ⁽¹⁾				
Ordering Code	Bourdon Tube & Tip Material ⁽¹⁾	Socket Material	Tube Type	Range Selection Limits (psi)	NPT Conn.
SD	316 stainless steel	Stainless steel	C-Tube	Vac/1500	1/2 (2)
	316 stainless steel	Stainless steel	Helical	2k-20k	1/2 (2)
WD	Inconel 718	316 stainless steel	Helical	50k-100k	1/4 high pressure

For selection of the correct Bourdon system material, see the media application table on page 243.
 ¹/₄ NPT optional.

TO ORDER THIS 1009 DURALIFE PRESSURE GAUGE:

TO UNDER THIS TOUS DURALIFE PRESSURE DAUDE.						
Select:	45	1109	SD	04L	XXX	0/100#
1. Dial size-41/2"						1
2. Case type-1109						
3. Bourdon system selection ordering code						
4. Connection-1/4 (02), 1/2 (04), 1/4 high pressure (09), Lower (L)						
5. Optional Features-see page 176						
6. Standard pressure range						
7. Accessories-see pages 233-238						

