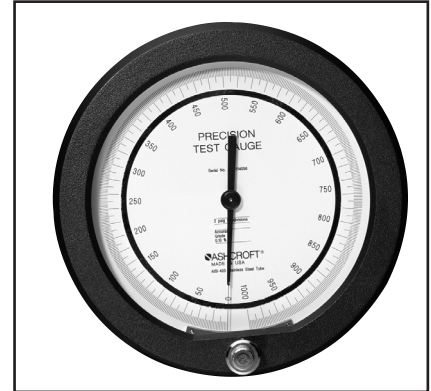


- **±0.1% F.S. accuracy – ASME B40.1, Grade 4A**
- **Ranges from 15-100,000 psi**
- **Solid front protective case**
- **High and low pressure limit stops**
- **Mirror band dial to eliminate parallax reading error**
- **Optional temperature compensation maintains 0.1% accuracy from -25 to +125°F**

the-art precision machining and the world's most refined bourdon tube technology. This eliminates the need for a power source and precludes the associated problems such as susceptibility to electronic line noise, power outage or potential fire hazard. In addition, this mechanical instrument is simple to operate, easy to troubleshoot, and can be readily flushed or purged to remove foreign matter or trapped gas. Accurate and reliable, the Ashcroft A4A sets a new standard for precision test gauges.



The Ashcroft precision pressure gauge yields consistent, reliable accuracy through the use of state-of-

### STANDARD FEATURES & SPECIFICATIONS

<b>Total Accuracy</b> ±0.1% F.S. Includes Certificate of NIST traceability	<b>Bourdon Tube</b> Bleeder tipped for easy flushing or purging
<b>Repeatability</b> ±0.02% F.S.	<b>Case</b> Cast aluminum solid front
<b>Hysteresis</b> ±0.1% F.S.	Blowout rear cover
<b>Dial</b> White, high resolution with mirror band	Integral panel mounting flange
<b>Pointer</b> Knife edge pointer to eliminate parallax errors	<b>Ranges</b> Available in Gauge, Compound, Vacuum and Absolute (requires manual barometric compensation)

### A4A

<b>Pointer Travel</b> 350° (15-30,000 psi) 300° (40,000-50,000 psi) 270° (60,000-100,000 psi)	<b>Ranges</b> 0/15-0/100,000 psi
	<b>Dial Sizes</b> 6", 8 1/2", 12" & 16"

### INLETS AND BOURDON TUBES (STANDARD VS. OPTIONS)

STANDARD		OPTIONAL
Inlet Location		
Back Fittings	Bottom or Back Fittings	
<ul style="list-style-type: none"> <li>• 1/4 NPT female fitting (ranges up to and including 10,000 psi)</li> <li>• 9/16-18 UNF-2B high pressure for 1/4" O.D. high pressure tubing (ranges over 10,000 psi)</li> </ul>	<ul style="list-style-type: none"> <li>• 1/4 NPT female fitting (standard with back location)</li> <li>• 1/4 NPT male</li> <li>• 1/8 NPT male or female</li> <li>• 9/16-18 UNF-2B high pressure for 1/4" O.D. high pressure tubing</li> <li>• MS33656-4 male (7/16-20, 37° flare for 1/4" flare tubing)</li> <li>• AND10050-4/MS33649-4 female (7/16-20, 37° flare for 1/4" flare tubing)</li> </ul>	
Material and Range		
<ul style="list-style-type: none"> <li>• Beryllium copper (through 40 psi)</li> <li>• 403 SS (50 psi and above)</li> </ul>	<ul style="list-style-type: none"> <li>• Beryllium copper (50-5000 psi)</li> <li>• 403 SS (below 50 psi)</li> </ul>	

### OPTIONAL FEATURES (PROVIDED ONLY WHEN SPECIFIED)

- Custom scales/units of measure
- Thermal compensation (maintains 0.1% accuracy from -25 to +125°F)
- Slotted link (protects movement during sudden pressure release)
- Wall mounting brackets
- Peak load indicator
- Dual scale dial

PSI	
STANDARD BOURDON TUBE MATERIAL**	STANDARD RANGE PSI
BERYLLIUM	0-15
	0-20
COPPER	0-25
	0-30
403 STAINLESS STEEL	0-40
	0-50
	0-60
	0-75
	0-100
	0-150
	0-200
	0-250
	0-300
	0-400
403 STAINLESS STEEL	0-500
	0-600
	0-750
	0-1000
	0-1500
	0-2000
	0-2500
	0-3000
	0-4000
	0-5000
403 STAINLESS STEEL	0-6000
	0-7500
	0-10,000
	0-15,000
	0-20,000
	0-25,000
	0-30,000
	0-40,000
	0-50,000
	0-60,000*
0-75,000*	
0-100,000*	

\* Available in 8 1/2", 12", 16". Dial face diameters only.  
\*\* For optional Bourdon Tube Materials see pages 4-5 Bulletin HE-1.

INCHES MERCURY		
STANDARD BOURDON TUBE MATERIAL**	STANDARD RANGE INCHES MERCURY	
BERYLLIUM COPPER	0-30	
	0-40	
	0-50	
	0-60	
	0-75	
	0-100	
	0-125	
	0-150	
	0-200	
	0-250	
403 STAINLESS STEEL	0-300	
	0-400	
	0-500	
	0-600	
	0-750	
	0-1000	
	<b>VACUUM</b>	
	BERYLLIUM COPPER	-30 to 0
	<b>COMPOUND</b>	
	BERYLLIUM COPPER	<b>VACUUM-PRESSURE</b>
15" Hg - 15" Hg		
30" Hg - 30" Hg		
AISI 403 STAINLESS STEEL	30" Hg - 60" Hg	
	30" Hg - 100" Hg	
BERYLLIUM COPPER	30" Hg - 150" Hg	
	30" Hg - 15 psi	
AISI 403 STAINLESS STEEL	30" Hg - 30 psi	
	30" Hg - 60 psi	
	30" Hg - 100 psi	
	30" Hg - 150 psi	
BERYLLIUM COPPER	30" Hg - 300 psi	
	0-400	
	0-450	
	0-500	
	0-600	
	0-750	
BERYLLIUM COPPER	0-800	
	0-1000	

\* Available in 8 1/2", 12", 16". Dial face diameters only.

MILLIMETERS MERCURY			
STANDARD BOURDON TUBE MATERIAL**	STANDARD RANGE MILLIMETERS MERCURY		
BERYLLIUM COPPER	0-760		
	0-1000		
	0-1250		
	0-1500		
	0-2000		
403 STAINLESS STEEL	0-2500		
	0-3000		
	0-4000		
	0-5000		
BERYLLIUM COPPER	bar	kg/cm <sup>2</sup>	kPa
	kp/cm <sup>2</sup>	mPa	
	0.2-1	-	-
	0-1	0-100	-
	0-1.6	0-160	-
	0-2	0-200	-
	0-2.5	0-250	-
	0-3	0-300	-
	0-4	0-400	-
	0-5	0-500	-
	0-6	0-600	-
	0-7.5	0-750	-
	0-10	0-1000	0-1
	0-12	0-1200	0-1.5
	0-16	0-1600	0-1.6
0-20	0-2000	0-2	
0-25	0-2600	0-2.5	
0-30	0-3000	0-3	
0-40	0-4000	0-4	
0-50	0-5000	0-5	
0-60	0-6000	0-6	
0-75	0-7500	0-7.5	
0-100	0-10,000	0-10	
0-125	-	0-12.5	
0-160	-	0-16	
0-200	-	0-20	
0-250	-	0-25	
0-400	-	0-40	
0-500	-	0-50	
0-600	-	0-60	
0-750	-	0-75	
0-1000	-	0-100	
0-1250	-	0-125	
0-1600	-	0-160	
0-2500	-	0-250	
0-4000	*-	0-400	
0-6000	*-	0-600	
0-7000	*-	0-700	
<b>VACUUM</b>			
BERYLLIUM COPPER	-1 to 0	-100 to 0	-