

Test Instruments

Process Gauges

TYPE AVC-1000 & 3000
VOLUME CONTROLLER**TYPE**

AVC-1000 / AVC-3000

RANGE (psi)

vacuum-1000 / vacuum-3000

RESOLUTION (psi)

0.00025 / 0.0005

VOLUME CHANGE (cubic inches)

3.5 / 2.5

MECHANICAL ROTATION (turns)

31 / 61

PROOF PRESSURE (psi)

3000 / 6000

BURST PRESSURE (psi)

6000 min / 12,000 min

OPERATING TEMPERATURE RANGE

20-120°F / 20-120°F

OPERATING MEDIA

Clean, dry noncorrosive gas such as compressed air or nitrogen

CONSTRUCTIONAluminum body, stainless steel, brass
Teflon, Delrin and Buna N

Added to any pneumatic calibration system, the VC works as a "fine tune" device to achieve specific test points not easily attained with the use of a regulator alone. Used in the calibration of any pneumatic pressure instrument up to 3000 psi.

TYPE A4A PRECISION
DIAL PRESSURE GAUGE**ACCURACY**

±0.10% of span – ASME B40.1, Grade 4A

CASE

Cast aluminum solid front

DIAL SIZE

6", 8 1/2", 12" & 16"

POINTER TRAVEL350° (15-30,000 psi)
300° (40,000-50,000 psi)
270° (60,000-100,000 psi)**BOURDON TUBE**

Bleeder tipped

RANGESGauge, compound, vacuum & absolute
0-15-0/100,000 psi
1279 DURAGAUGE®
PRESSURE GAUGE**ACCURACY**

ASME B 40.100 Grade 2A (±0.5% of span)

DIAL SIZE

4 1/2"

CASE MATERIAL

Phenolic

WETTED MATERIAL

316 stainless steel, bronze/brass, Monel

SENSING ELEMENT

Bourdon tube

CONNECTION1/2 NPT (standard) lower or back
1/4 NPT (optional)**RANGES**

Vacuum, 15 to 30,000 psi, compound

Usage requiring 1/2% full scale accuracy in chemical, petrochemical, refinery, oil production, other process, power and general industry.

1377 DURAGAUGE®
PRESSURE GAUGE**ACCURACY**

ASME B 40.100 Grade 2A (±0.5% of span)

DIAL SIZE

4 1/2", 6", 8 1/2"

CASE MATERIAL

Aluminum

WETTED MATERIAL

316 stainless steel, bronze/brass, Monel

SENSING ELEMENT

Bourdon tube

CONNECTION1/2 NPT (standard) lower or back
1/4 NPT (optional)**RANGES**

Vacuum, 15 to 30,000 psi, compound

Usage requiring 1/2% full scale accuracy in chemical, petrochemical, refinery, oil production, other process, power and general industry.

Process Gauges

1379 DURAGAUGE®
PRESSURE GAUGE

ACCURACY
ASME B 40.100 Grade 2A ($\pm 0.5\%$ of span)

DIAL SIZE
4½", 6", 8½"

CASE MATERIAL
Aluminum

WETTED MATERIAL
316 stainless steel, bronze/brass, Monel, Inconel

SENSING ELEMENT
Bourdon tube

CONNECTION
½ NPT (standard) lower or back
¼ NPT (optional)
¼" HP connection over 30,000 psi

RANGES
Vacuum, 15 to 100,000 psi, compound

Usage requiring ½% full scale accuracy in chemical, petrochemical, refinery, oil production, other process, power and general industry.

2462 DURAGAUGE®
PRESSURE GAUGE

ACCURACY
ASME B 40.100 Grade 2A ($\pm 0.5\%$ of span)

DIAL SIZE
6"

CASE MATERIAL
Polypropylene

WETTED MATERIAL
316 stainless steel, bronze/brass, steel, Monel

SENSING ELEMENT
Bourdon tube

CONNECTION
½ NPT (standard) lower or back
¼ NPT (optional)

RANGES
Vacuum, 15 to 30,000 psi, compound

Usage requiring ½% full scale accuracy in chemical, petrochemical, refinery, oil production, other process, power and general industry.

1259 PROCESS
PRESSURE GAUGE

ACCURACY
ASME B 40.100 Grade 2A ($\pm 0.5\%$ of span)

DIAL SIZE
4½"

CASE MATERIAL
Polypropylene

WETTED MATERIAL
316 stainless steel, Monel

SENSING ELEMENT
Bourdon tube

CONNECTION
½ NPT (standard) lower
¼ NPT (optional)

RANGES
Vacuum, 15 to 20,000 psi, compound

Usage requiring ½% full scale accuracy in chemical, petrochemical, refinery, oil production, other process, power and general industry.

1279, 1379, 1377, 2462
RECEIVER GAUGES

ACCURACY
ASME B 40.100 Grade 2A ($\pm 0.5\%$ of span)

DIAL SIZES
1279AS-XPR – 4½"
1377AS-XPR – 4½", 6", 8½"
1379AS-XPR – 4½", 6", 8½"
2462AS-XPR – 6"

CASE MATERIAL
1279AS-XPR – Phenolic
1377AS-XPR – Aluminum
1379AS-XPR – Aluminum
2462AS-XPR – Polypropylene

SENSING ELEMENT
Bourdon tube

CONNECTION
½ NPT (standard)
¼ NPT (optional)

CASE MATERIAL
1279AS-XPR – Lower/Back, Back
1377AS-XPR – Back, Lower/Back
1379AS-XPR – Back, Lower/Back
2462AS-XPR – Lower/Back, Back

RANGES
3-15 & 3-27

Stainless Steel Case & Industrial Gauges

1009 2½" & 3½" DURALIFE® PRESSURE GAUGE	1009 4½" & 6" STAINLESS STEEL CASE	1109 4½" GENERAL SERVICE GAUGE	1009, 1010, 1017, 1220 HYDRAULIC GAUGES
 <p>IN A RUSH? ASHCROFT GOLD SERVICE</p> <p>PLUS! Performance</p> <p>ISO 9001:2015 RoHS REACH</p>	 <p>IN A RUSH? ASHCROFT GOLD SERVICE</p> <p>PLUS! Performance</p>	 <p>PLUS! Performance</p>	 <p>1010 GAUGE SHOWN</p> <p>IN A RUSH? ASHCROFT GOLD SERVICE</p> <p>PLUS! Performance</p>
<p>ACCURACY ASME B 40.100 Grade 1A (±1% of span)</p>	<p>ACCURACY ASME B 40.100 Grade 1A (±1% of span)</p>	<p>ACCURACY ASME B 40.100 Grade 1A (±1% of span)</p>	<p>ACCURACY ASME B 40.100 Grade 1A (±1% of span)</p>
<p>DIAL SIZE 2½", 3½"</p>	<p>DIAL SIZE 4½", 6"</p>	<p>DIAL SIZE 4½"</p>	<p>DIAL SIZE 1009 – 4½", 6" 1010 – 4½", 6", 8½", 12" 1017 – 4½", 6" 1220 – 4½", 6", 8½"</p>
<p>CASE MATERIAL Stainless steel</p>	<p>CASE MATERIAL Stainless Steel</p>	<p>CASE MATERIAL Stainless Steel</p>	<p>CASE MATERIAL Stainless steel, aluminum, phenolic</p>
<p>WETTED MATERIAL 316L Stainless steel</p>	<p>TUBE MATERIAL Bronze, 316 stainless steel, Monel</p>	<p>TUBE MATERIAL SD – 316 stainless steel WD – Inconel</p>	<p>TUBE MATERIAL Bronze, 316 stainless steel, Monel</p>
<p>SENSING ELEMENT Bourdon tube</p>	<p>SENSING ELEMENT Bourdon tube</p>	<p>SENSING ELEMENT Bourdon tube</p>	<p>SENSING ELEMENT Bourdon tube</p>
<p>CONNECTION ¼ NPT lower or back ¼ NPT lower or back ½ NPT lower (3½") JIS, DIN, BSP</p>	<p>CONNECTION ¼ NPT lower or back ½ NPT lower or back</p>	<p>CONNECTION SD – ½ NPT lower, ¼ NPT lower (optional) WD – ¼ NPT lower high pressure</p>	<p>CONNECTION ¼ NPT lower or back ½ NPT lower or back</p>
<p>RANGES Vac. to 15,000 psi</p>	<p>RANGES Vac. to 30,000 psi</p>	<p>RANGES SD – Vac. to 1500 psi / 2000-20,000 psi WD – 50,000-100,000 psi</p>	<p>RANGES Vac. to 30,000 psi</p>
<p>For use on fluid power equipment in oil and gas production, construction, mining, machine tools, logging, pulp and paper, general industrial applications.</p>	<p>Stainless steel case Type 1009 applications include boilers, compressors, water blasting equipment, pharmaceutical and food processing equipment.</p>	<p>Stainless steel case Type 1109 applications include water jet or water blasting equipment, offshore platform, etc.</p>	<p>Uniquely designed for rigorous hydraulic services.</p>

Stainless Steel Case & Industrial Gauges

1009, 1010, 1017, 1220 RECEIVER GAUGES



1220 GAUGE SHOWN

ACCURACY
ASME B 40.100 Grade 1A ($\pm 1\%$ of span)

DIAL SIZE
1009 – 4½” 6”
1010 – 4½” 6” 8½” 12”
1017 – 4½” 6”
1220 – 4½” 6” 8½”

CASE MATERIAL
Stainless steel, aluminum, phenolic

TUBE MATERIAL
Bronze, 316 stainless steel, Monel

SENSING ELEMENT
Bourdon tube

CONNECTION
¼ NPT lower or back
½ NPT lower or back

RANGES
3/15 and 3/27 psi

For monitoring pneumatic systems requiring percentage or root readings.

1009, 1010, 1017, 1220 REFRIGERATION GAUGE



1010 GAUGE SHOWN

ACCURACY
ASME B 40.100 Grade 1A ($\pm 1\%$ of span)

DIAL SIZE
1009 – 4½” 6”
1010 – 4½” 6” 8½” 12”
1017 – 4½” 6”
1220 – 4½” 6” 8½”

CASE MATERIAL
Stainless steel, aluminum, phenolic

TUBE MATERIAL
Bronze, stainless steel

SENSING ELEMENT
Bourdon tube

CONNECTION⁽¹⁾
¼ NPT lower or back
½ NPT lower or back

RANGES
30 in.Hg Vac/150 psi, 30 in.Hg
Vac/300 psi

⁽¹⁾ 1017 back connect only

For use on refrigeration equipment utilizing ammonia, freon or other refrigerants.

1010 4½”, 6”, 8½”, 12” GENERAL SERVICE GAUGE



ACCURACY
ASME B 40.100 Grade 1A ($\pm 1\%$ of span)

DIAL SIZE
4½”, 6”, 8½”, 12”

CASE MATERIAL
Stainless steel, aluminum, phenolic

TUBE MATERIAL
Bronze, stainless steel, Monel

SENSING ELEMENT
Bourdon tube

CONNECTION
¼ NPT lower or back
½ NPT lower or back

RANGES
Vac. to 30,000 psi

General industrial applications requiring larger dials. Applications include oil monitoring, repair and compressors, etc.

1017 4½”, 6” GENERAL SERVICE GAUGE



ACCURACY
ASME B 40.100 Grade 1A ($\pm 1\%$ of span)

DIAL SIZE
4½”, 6”

CASE MATERIAL
Stainless steel, aluminum, phenolic

TUBE MATERIAL
Bronze, stainless steel, Monel

SENSING ELEMENT
Bourdon tube

CONNECTION
¼ NPT back
½ NPT back

RANGES
Vac. to 30,000 psi

General industrial applications, large dials for easier readings. used on pumps, air or oil monitoring, etc.

Stainless Steel Case & Industrial Gauges

Differential Gauges

1220 4½", 6", 8½" GENERAL SERVICE GAUGE



ACCURACY
ASME B 40.100 Grade 1A (±1% of span)

DIAL SIZE
4½", 6", 8½"

CASE MATERIAL
Stainless steel, aluminum, phenolic

TUBE MATERIAL
Bronze, stainless steel, Monel

SENSING ELEMENT
Bourdon tube

CONNECTION
¼ NPT lower or back
½ NPT lower or back

RANGES
Vac. to 30,000 psi

General industrial applications, large dials for easier readings. used on pumps, air or oil monitoring, etc.

1020S 4½" XMAS TREE GAUGE



ACCURACY
ASME B 40.100 Grade 1A (±1% of span)

DIAL SIZE
4½"

CASE MATERIAL
Stainless steel

TUBE MATERIAL
316 stainless steel

SENSING ELEMENT
Bourdon tube

CONNECTION
Lower

RANGES
1000/20,000 psi – ½ NPT, ¼ NPT

Uniquely designed to meet rugged oil field applications.

1038, 1339 3½", 4½", DUPLEX GAUGE



1038 GAUGES SHOWN

ACCURACY
ASME B 40.100 Grade A (±2-1-2% of span)

DIAL SIZE
3½", 4½"

CASE MATERIAL
Aluminum, cast iron

TUBE MATERIAL
Bronze

SENSING ELEMENT
Bourdon tube

CONNECTION
Lower/back

RANGES
1038A – 3½", 4½" – ¼ NPT 30/1000 psi
1339A – 4½" – ¼ NPT 30/1000 psi
Back conn. only

Uniquely designed to indicate two related pressures on the same dial.

1125, 1125A 4½" DIFFERENTIAL GAUGE



ACCURACY
ASME B 40.100 Grade A (±2-1-2% of span)

DIAL SIZE
4½", 6"

CASE MATERIAL
Aluminum

TUBE MATERIAL
Bronze

SENSING ELEMENT
Bourdon tube

CONNECTION
Lower/back

RANGES
1125 – 4½", 6"⁽¹⁾ – ¼ NPT 20/1000 psi
1125A – 4½", 6"⁽¹⁾ – ¼ NPT 10/0/10 psi-
500/0/500 psi

⁽¹⁾ Lower connect only

Application include fills, monitors, flow, leak and level measurements.