

COMMERCIAL GAUGES

(Generally ASME B 40.1 Grade B ($\pm 3-2-3\%$ of span), accuracy , review section for exceptions)

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- **Underwriters Laboratory listed and Factory Mutual approved**
- **Corrosion-resistant ABS case**
- **Heat-resistant polycarbonate push-in window**
- **Patented PowerFlex™ movement with polyester segment**
- **True Zero™ indication, a unique safety feature**

Ashcroft® fire protection sprinkler gauges are Underwriters Laboratory listed and Factory Mutual approved for fire protection sprinkler service. The case material on Type 1005P, XUL

gauges is ABS. The 0-300 psi pressure Arange is used on “wet” systems where water is available to the sprinkler heads. The 0-80 retard to 250 psi pressure range is used on dry systems where the lines are filled with air pressure until system activation.

The patented PowerFlex™ movement with polyester segment is designed to provide unequalled shock and vibration resistance resulting in superior performance and extended gauge life.

True Zero™ indication, a standard feature on these gauges, reduces the potential risk of installing a damaged gauge on your equipment.



GAUGE SPECIFICATIONS

- Type no.:** 1005P, XUL
- Accuracy:** ASME B 40.100 Grade B (±3-2-3% of span)
- Size:** 3½"
- Case:** ABS (Polycarbonate blend)
- Ring:** None
- Window:** Polycarbonate, push-in
- Dial:** Black figures on white background
- Pointer:** Black, aluminum
- Bourdon tube:** “C” shaped bronze
- Movement:** Patented PowerFlex with polyester segment
- Socket:** Brass
- Restrictor:** None

- Operating temperature:** -40°F to 150°F, -40°C to 65°C
- Connection:** ¼ NPT lower
- Ranges:** 0-300 psi (water)
0-80 retard to 250 psi (air)
0-600 psi
UL 393 Listed, UL of Canada Listed and FM approved.



JUST RELEASED!!
Triple scale dial faces – psi / kPa / bar

GAUGE OPTIONS

- Customized dials
- Other UL listed ranges on application
- Dual or triple scale metric dials

NOTES



TO ORDER THIS TYPE 1005P, XUL GAUGE:

Select: _____ **35** _____ **W** _____ **1005** _____ **P** _____ **H** _____ **02L** _____ **XUL** _____ **300#**

1. Dial Size: 3½" _____
2. Patented PowerFlex™ Movement _____
3. Case Type Number: 1005 _____
4. Case Type Material: ABS _____
5. Socket Material: Brass _____
6. Connection Size/Location: ¼ NPT lower _____
7. UL listed, FM approved _____
8. Range: 300 psi _____

Stainless Steel Case Gauge Type 1008A/AL, 63mm and 100mm ASME B 40.100 Grade B (±3-2-3% of span)

- 63mm (2½") and 100mm (4") case sizes
- Soldered brass socket and bronze tube design
- Corrosion-resistant stainless steel case/ring
- Dry, field-fillable or liquid-filled versions
- Patented PowerFlex™ movement
- True Zero™ indication, a unique safety feature
- Two-year warranty on liquid-filled gauges

Ashcroft® Type 1008A gauges are synonymous with durability, flexibility and exceptional quality. The Type 1008A gauge enclosure is sealed

to provide maximum protection in adverse environmental conditions. Both 63mm and 100mm Type 1008A gauges are available dry, field-fillable, glycerin filled or silicone filled. Accessory kits are available for panel mounting, front flange mounting or retrofit mounting back connection gauges. The patented PowerFlex™ movement provides a higher level of shock, vibration and pulsation resistance than conventional movement gauges.

The True Zero™ feature helps to assure a quality process and reduces manufacturing and inspection costs.

FlutterGuard™ is available for dry gauges to eliminate pointer flutter and extend gauge life.



GAUGE SPECIFICATIONS

| | | | |
|----------------------|--|-------------------------------|--|
| Type no.: | 1008A/AL | Movement: | Patented PowerFlex with polyester segment |
| Accuracy: | ASME B 40.100 Grade B (±3-2-3% of span) | Socket: | Brass, with O-ring case seal |
| Size: | 63mm (2½"), 100mm (4") | Restrictor: | Brass throttle plug, 0.013" orifice in all ranges (except vacuum and 15# psi ranges) |
| Case: | 304 stainless steel, dry (1008A), or liquid filled (1008AL) with ventable plug | Connection: | ¼ NPT lower and back |
| Fill Fluid: | Glycerin | Ranges: | Vac. thru 15,000 psi and compound. Equivalent metric ranges available |
| Ring: | 304 stainless steel, crimped | Operating Temperature: | Dry gauge: -40°F to 150°F, -40°C to 65°C Glycerine filled: 20°F to 150°F, -7°C to 65°C |
| Window: | Polycarbonate | | |
| Dial: | Black figures on white background, aluminum | | |
| Pointer: | Black, aluminum | | |
| Bourdon Tube: | "C" shaped bronze (vac.-600 psi and compound) Helical bronze (1000 psi-6000 psi) Helical stainless steel (10,000 psi-15,000 psi) | | |

GAUGE OPTIONS

| | |
|---------------------------|---|
| Case: | Sealed case, field-fillable (LJ) Silicone filled (GV) |
| Mounting Hardware: | U-clamp (UC), front flange (FF), retrofit flange (RF) |
| Socket: | Throttle plugs, 0.007", 0.020", 0.063" |
| Connections: | JIS, DIN, metric, SAE and other connections on application |
| Others: | Customized dials Nonstandard ranges FlutterGuard (SF) Special calibration on application Clean for oxygen service – dry gauges only |

TO ORDER THIS TYPE 1008A/AL GAUGE:

| Select: | 63 | 1008 | A | L | 02B | XUC | 1000# |
|---|----|------|---|---|-----|-----|-------|
| 1. Dial Size: 63mm or 100mm _____ | | | | | | | |
| 2. Case Type: 1008 _____ | | | | | | | |
| 3. Socket Material: Brass _____ | | | | | | | |
| 4. Liquid Filled (Glycerin), leave blank if dry _____ | | | | | | | |
| 5. Connection Size: ¼ NPT _____ | | | | | | | |
| 6. Connection Location: Lower (L), Back (B) _____ | | | | | | | |
| 7. Optional Features: XUC = Panel Mounting Kit _____ | | | | | | | |
| 8. Range: 1000 psi _____ | | | | | | | |

4½" Gauges

Type 1000, ASME B 40.100 Grade B (±3-2-3% of span)

Type 2071A, ASME B 40.100 Grade A (±2-1-2% of span)

- Type 2071A contractor gauge offers aluminum-back flange case (black), with attractive chrome-plated steel ring
- Type 1000 gauge offers black steel case with black ring and acrylic window
- Adjustable pointer is standard on contractor gauges
- Patented PowerFlex™ movement with polyester segment
- True Zero™ indication, a unique safety feature

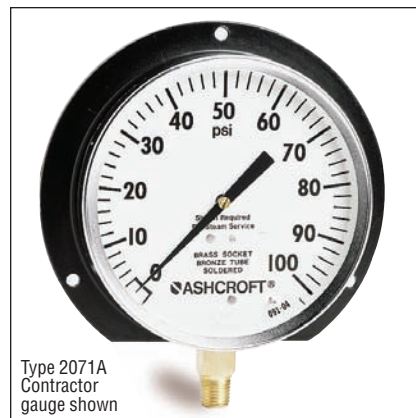
Ashcroft® Type 1000 gauges have a black steel case and ring with a plastic window. These gauges are appropriate for general industrial applications and can be customized to complement your equipment.

Ashcroft contractor gauges (Type 2071A) are lightweight, highly sensitive and accurate. These gauges are designed to meet the needs of HVAC and plumbing contractors, and are tested against strict industry specifications. The aluminum case provides corrosion resistance.

The patented PowerFlex™ movement, in both Types 1000 and 2071A, provides the shock resistance needed for rough treatment.

True Zero™ indication reduces the potential risk of installing a damaged gauge on your equipment.

FlutterGuard™ is available to eliminate pointer flutter and extend gauge life.



Type 2071A Contractor gauge shown

GAUGE SPECIFICATIONS

Size:

Accuracy:

Case:

Ring:

Window:

Dial:

Pointer:

Bourdon tube:

Movement:

Socket:

Connection:

Ranges:

Operating temperature:

Options:

TYPE 1000

4½"

ASME B 40.100, Grade B (±3-2-3% of span)

Black-painted steel

Black-painted steel, friction fit

Plastic

Black figures on white background

Black, aluminum

Bronze, soldered

Patented PowerFlex with polyester segment

Brass

¼ NPT lower

Vacuum through 600 psi and compound

-40°F to 150°F, -40°C to 65°C

Case color other than black

Glass window (XRG)

Chrome ring (13)

FlutterGuard (SF)

Adjustable pointer (AP)

Nickel-plated socket (NP)

Customized dials

Throttle plugs: 0.007", 0.013", 0.020",

0.063" orifices

Special calibration on application

TYPE 2071A

4½"

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

Aluminum with back flange, painted black.

Chrome-plated steel, friction fit

Glass

Black figures on white background

Adjustable, black, aluminum

Bronze, soldered (siphon required for steam service)

Patented PowerFlex with polyester segment

Brass

¼ NPT lower

Vacuum through 600 psi and compound

-40°F to 150°F, -40°C to 65°C

Case color other than black

Plastic window (PD)

Nickel-plated socket (NP)

FlutterGuard (SF)

Black steel ring

Customized dials

Throttle plugs: 0.007", 0.013", 0.020",

0.063" orifices

Special calibration on application

TO ORDER THIS TYPE 1000/2071A GAUGE:

Select:

1. Dial Size: 4½" _____ 45 _____ W _____ 2071A _____ 02L _____ 300#
2. Patented PowerFlex™ Movement _____
3. Case Type Number: 2071A _____
4. Connection Size/Location: ¼ NPT lower _____
5. Range: 300 psi _____

- **Compact size – 23mm (.906") diameter**
- **ABS case with acrylic window ultrasonically welded to case**
- **Wrench flats on socket for easy installation**
- **Available in 60-300 psi**
- **Direct Drive technology for excellent shock resistance**

The Ashcroft® MiniGauge® pressure gauge is designed for those applications where space is a limiting factor. Taking into consideration the small size of the MiniGauge

(23mm), the dial face was designed for maximum readability. This product is offered in 1/8 NPT back connection with 15mm (9/16") wrench flats for easy installation.

The versatile Ashcroft MiniGauge surpasses the demands of durability in two important ways: first, by using direct-drive reading, the spiral tube transmits motion directly to the pointer – no gears or movement parts to wear out; and second, the case material is an ABS blend that is both enduring and attractive.

The Ashcroft MiniGauge is perfect for a multitude of applications where a 1 1/2" conventional size gauge is too large.



GAUGE SPECIFICATIONS

| | |
|----------------------|---|
| Type no.: | 23DDG |
| Accuracy: | ±5% of span |
| Size: | 23mm (.906") |
| Case: | Black ABS blend |
| Ring: | None |
| Window: | Polycarbonate, ultrasonically welded to case |
| Dial: | Black figures on white background, aluminum |
| Pointer: | Brass, painted black |
| Bourdon tube: | Beryllium copper, spiral; soft soldered to socket |
| Movement: | None (direct-drive reading) |
| Socket: | Brass with 15mm (9/16") wrench flats |
| Connection: | 1/8 NPT back |

| Ranges: | Range (psi) | Dial Arc | |
|---------|-------------|----------|------|
| | | 180° | 235° |
| | 0/60 | * | |
| | 0/100 | * | |
| | 0/160 | | * |
| | 0/200 | | * |
| | 0/300 | * | |

Repeatability: Better than 1%

Operating

temperature: -40°F to 150°F, -40°C to 65°C

Packaging: Bulk pack; individually sealed 2 mil polybags

Note: Consult factory for high cycle-life applications

GAUGE OPTIONS

| | |
|-------------------|---|
| Socket: | Throttle plugs; 10/32" threads; PT 1/8 (JIS) and R 1/8 (BSPT) threads |
| Dial: | Customized |
| Dampening: | Silicone-dampened coil for vibration applications |

TO ORDER THIS TYPE 23DDG GAUGE:

| | | | | |
|---|-----------|------------|------------|------------|
| Select: | 23 | DDG | 01B | 60# |
| 1. Gauge Size: 23mm (.906" or 29/32") _____ | | | | |
| 2. Case Type: Direct Drive Gauge _____ | | | | |
| 3. Connection Size/Location: 1/8 NPT back _____ | | | | |
| 4. Range: 0/60 psi _____ | | | | |

Direct Drive Gauge Type 12DDG, 15DDG Accuracy ($\pm 2\%$ at setpoint)

- Sealed stainless steel case provides a weatherproof, dustproof corrosion-resistant gauge
- Spiral tube transmits motion directly to the pointer—no gears or bearings to wear out
- High impact-resistant polycarbonate window
- UL 404 listed for compressed gas (including oxygen) for 1500 psi, 2000 psi, 3000 psi and 4000 psi

Ashcroft® DDG, direct drive gauges are constructed for strenuous use under severe environmental conditions and can withstand excessive levels of shock and vibration—an excellent choice for outdoor applications. Optional features to enhance the performance of these gauges are silicone-damped tubes for excessive vibration applications and silicone-filled tubes for corrosion protection.



GAUGE SPECIFICATIONS

| | |
|----------------------|---|
| Type no.: | 12DDG, 15DDG |
| Accuracy: | Standard $\pm 2\%$ at setpoint (setpoint is normally 50% of range; other setpoints upon application). UL listed -3.5% of span in middle three-fifths of scale. |
| Size: | 1¼" - 12DDG 1½" - 15DDG |
| Case: | Stainless steel, sealed |
| Ring: | None |
| Window: | High impact-resistant polycarbonate |
| Dial: | Black figures on white background |
| Pointer: | Black, integral with bourdon tube |
| Bourdon tube: | Beryllium copper, spiral; soft soldered to socket |
| Movement: | None (direct reading) |
| Socket: | Brass |

| Available Ranges (psi) | Dial Arc | | | |
|------------------------|----------|------|------|------|
| | 165° | 180° | 200° | 235° |
| 0/60 | | • | | |
| 0/100* | | | | • |
| 0/160 | | | | • |
| 0/200 | | | | • |
| 0/300 | | | | • |
| 0/700 | | | • | |
| 0/1200 | | • | | |
| 0/1500 | • | | | |
| 0/2000 | • | | | |
| 0/3000 | • | | | |
| 0/4000 | • | | | |

*12DDG available in 180° arc.

Restrictor: Safety plug-in 1500-4000 psi ranges

Connection: ½ NPT back, standard

Repeatability: Better than 1%

Operating temperature: -40°F to 150°F , -40°C to 65°C

Note: Consult factory for high cycle-life applications

GAUGE OPTIONS

Socket: ¼ NPT; throttle plugs, 0.007", 0.013", 0.020", 0.063" orifice

Others: Customized dials
Metric and dual ranges available
Silicone-damped spiral tube for vibration service
Silicone-filled spiral tube for corrosion protection
UL listed for compressed gas (including oxygen); 1500 psi, 2000 psi, 3000 psi, 4000 psi

TO ORDER THIS TYPE DDG GAUGE:

| | | | | |
|---|-------|-------|-------|-------|
| Select: | 15 | DDG | 01B | 100# |
| 1. Dial Size: 1½" | _____ | _____ | _____ | _____ |
| 2. Case Type: DDG | _____ | _____ | _____ | _____ |
| 3. Connection Size/Location: ½ NPT back = 01B | _____ | _____ | _____ | _____ |
| 4. Range: 100 psi | _____ | _____ | _____ | _____ |

