

## Type 1017 General Service Gauge



- Available in 4½" and 6" dial sizes
- Solid front case style, black epoxy painted aluminum case
- Hinged-steel black enamel texture finish panel ring

The Ashcroft® Type 1017 pressure gauge is the most economical of the general service industrial gauges when flush panel mounting is required.

### PRODUCT SPECIFICATIONS

**Model Number:** 1017

**Accuracy:** 1% full scale (Grade 1A, ASME B40.100)

**Ranges:** Vac., compound to 20,000 psi

**Dial Size:** 4½" or 6" diameter

**Case Material:** Black epoxy coated aluminum

**Ring:** Slip-fit steel ring, black textured enamel

**Window:** Glass

**Dial:** Aluminum, white background, black figures and intervals.

**Pointer:** Friction fit

**Movement:** Rotary, 400 SS, Teflon® coated pinion gear and segment

**Bourdon Tube and Socket:** Phos. bronze/brass brazed (A)  
316L SS/316L SS (S)  
K Monel/ Monel (P)

**Connection Size:** ¼, ½ NPT

**Connection Location:** Back only

**Mounting:** Panel

### OPTIONAL FEATURES

|                                |     |
|--------------------------------|-----|
| Overload Stop                  | XOS |
| Underload Stop                 | XVS |
| Throttle Plug (.031) Thread-in | XTS |

The following Table is not for conversion purposes.

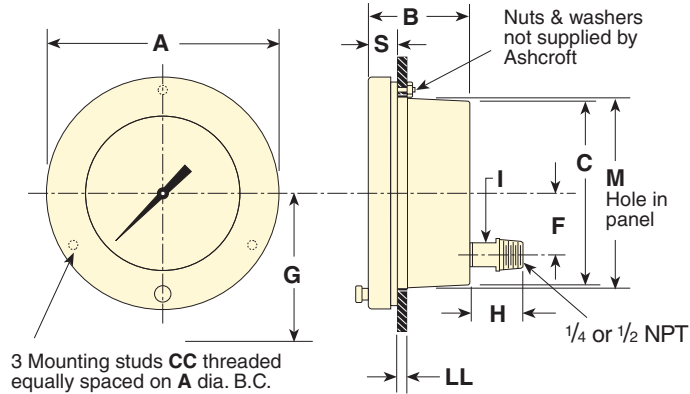
### STANDARD RANGE TABLE

| Pressure          |              |             |
|-------------------|--------------|-------------|
| psi               | kg/cm2 - bar | kPa         |
| 0/15              | 0/1          | 0/100       |
| 0/30              | 0/1.6        | 0/160       |
| 0/60              | 0/2.5        | 0/250       |
| 0/100             | 0/4          | 0/400       |
| 0/160             | 0/6          | 0/600       |
| 0/200             | 0/10         | 0/1000      |
| 0/300             | 0/16         | 0/1600      |
| 0/400             | 0/25         | 0/2500      |
| 0/600             | 0/40         | 0/4000      |
| 0/800             | 0/60         | 0/6000      |
| 0/1000            | 0/100        | 0/10,000    |
| 0/1500            | 0/160        | 0/16,000    |
| 0/2000            | 0/250        | 0/25,000    |
| 0/3000            | 0/400        | 0/40,000    |
| 0/4000            | 0/600        | 0/60,000    |
| 0/5000            | 0/1000       | 0/100,000   |
| 0/6000            |              |             |
| 0/7500            |              |             |
| 0/10,000          |              |             |
| 0/15,000          |              |             |
| 0/20,000          |              |             |
| <b>Vacuum</b>     |              |             |
| 30 in./0 in.Hg    | -1/0         | -100/0      |
| <b>Compound</b>   |              |             |
| 30 in.Hg/15 psi   | -1/0/1.5     | -100/0/150  |
| 30 in.Hg /30 psi  | -1/0/3       | -100/0/300  |
| 30 in.Hg /60 psi  | -1/0/5       | -100/0/500  |
| 30 in.Hg/100 psi  | -1/0/9       | -100/0/900  |
| 30 in.Hg /150 psi | -1/0/15      | -100/0/1500 |
| 30 in.Hg/300 psi  | -1/0/24      | -100/0/2400 |

## Type 1017 General Service Gauge

### Dimensions

#### Case Type 1017 4½" or 6" Back Connect



#### Case Type 1017 4½" or 6" Back Connect

| Dial Size Inches | A              | B             | C              | E             | F          | H          | I           | M           | S           | U         | CC     | LL                | Wgt (lbs)      |
|------------------|----------------|---------------|----------------|---------------|------------|------------|-------------|-------------|-------------|-----------|--------|-------------------|----------------|
| 4½               | 6¼/16<br>(154) | 2¾/16<br>(56) | 4¼/16<br>(122) | 5¾<br>(136.5) | 1¾<br>(41) | 1¾<br>(41) | 5/8<br>(16) | 4¾<br>(124) | 5/8<br>(16) | ¾<br>(19) | 10-24  | 1/8-1/2<br>(3-13) | 2.63<br>1.2 kg |
| 6                | 7¾/16<br>(192) | 2¾/16<br>(56) | 6¾/16<br>(160) | 7<br>(178)    | 2½<br>(54) | 1¾<br>(41) | 5/8<br>(16) | 6½<br>(165) | 5/8<br>(16) | ¾<br>(19) | 1/4-20 | 1/8-1/2<br>(3-13) | 2.75<br>1.3 kg |

### Bourdon System Selection

| Ordering Code Conn. (2) | Bourdon Tube & Tip Material (1) (all joints TIG welded except "A") | Socket Material     | Tube    | Range Selection Type | NPT Conn. (2) |
|-------------------------|--|---------------------|---------|----------------------|---------------|
| A                       | Phosphor Bronze Brass Tip, Silver Braze                            | Brass               | C-Tube  | 12/1000              | ¼             |
| S                       | 316 stainless steel  | 316 stainless steel | C-Tube  | 12/1500              | ¼             |
|                         |  |                     | Helical | 2000/20,000          | ½             |
| P (4)                   | K Monel  | Monel 400           | C-Tube  | 15/1500              | ¼             |
|                         |  |                     | Helical | 2000/30,000          | ½             |

- (1) For selection of the correct Bourdon system material, see the media application table.  
 (2) Optional connections available: ½ NPT where ¼ NPT is standard, ¼ NPT where ½ NPT is standard.  
 (3) Single-scale and dual-scale ranges available.  
 (4) 6" dial not available with monel system.

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### HOW TO ORDER:

- 45 1017 A 02B XXX 1000#
- Dial size—4½", 6" \_\_\_\_\_
  - Case type—1017 \_\_\_\_\_
  - Tube and socket material \_\_\_\_\_
  - Connection size—¼ (02), ½ (04) \_\_\_\_\_
  - Connection location—Back (B) only \_\_\_\_\_
  - Optional features—see page 1 \_\_\_\_\_
  - Standard pressure range—1000 psi \_\_\_\_\_