

2071A Commercial Pressure Gauge

FEATURES

- PowerFlex™ movement provides superior resistance to shock, vibration and pulsation
- FlutterGuard™ (option) reduce movement wear and pointer flutter
- TrueZero™ reduces reading errors by using a “zero zone” instead of conventional dial pins
- ASME B40.100, Grade A accuracy ($\pm 2-1-2\%$)

TYPICAL USES

- HVAC inspection
- Inspection and validation
- Meets the needs of heating, ventilating and air conditioning contractors



2071A
4½" dial size



SPECIFICATIONS

| | |
|------------------------------|--|
| Accuracy: | $\pm 2-1-2\%$ of span (ASME B40.100 Grade A) |
| Dial Sizes: | 4½" |
| Ranges: | Vacuum, compound to 600 psi |
| Process Connection Location: | Lower |
| Process Connection Size: | ¼ NPT Male |
| Pointer: | Adjustable, black aluminum |
| Movement: | PowerFlex™ with polyester |
| Dampening Options: | FlutterGuard™ |

WETTED COMPONENTS

| Bourdon Tube | Process Connection |
|---|--------------------|
| Bronze, siphon required for steam service | Brass |

NON-WETTED COMPONENTS

| Case | Window | Ring |
|--|--------|---------------------|
| Aluminum, painted black with back flange | Glass | Chrome plated steel |

KEY BENEFITS

- Adjustable pointer
- Corrosion-resistant case
- Customized dials

MIN/MAX TEMPERATURE LIMITS

| Version | Ambient | Process | Storage |
|---------|---------------------------------------|---------------------------------------|---------------------------------------|
| 2071A | -40 °F to 150 °F (-40 °C to 65 °C) | -40 °F to 150 °F (-40 °C to 65 °C) | -40 °F to 150 °F (-40 °C to 65 °C) |

Data Sheet

2071A Commercial Pressure Gauge

| | | | | | | | | |
|--|----------|----|---|-------|----|---|-----|------|
| ORDERING CODE | Example: | 45 | W | 2071A | 02 | L | XSF | 100# |
| Dial Size | | | | | | | | |
| 45 - 4½" | | 45 | | | | | | |
| Movement | | | | | | | | |
| W - PowerFlex™ | | | W | | | | | |
| Model | | | | | | | | |
| 2071A - Black painted aluminum case with back flange/brass process connection material | | | | 2071A | | | | |
| Process Connection Size | | | | | | | | |
| 02 - ¼ NPT Male | | | | | 02 | | | |
| Process Connection Location | | | | | | | | |
| L - Lower | | | | | | L | | |
| Options (If choosing an option(s) must include an "X") | | | | | | | | X__ |
| SF - FlutterGuard™, (SF includes throttle plug) | | | | | | | | SF |
| NP - Nickel plated socket | | | | | | | | |
| T4 - Orifice restrictor 0.007" | | | | | | | | |
| T5 - Orifice restrictor 0.013" | | | | | | | | |
| T7 - Orifice restrictor 0.020" | | | | | | | | |
| T9 - Orifice restrictor 0.063" | | | | | | | | |
| PD - Polycarbonate window | | | | | | | | |
| RS - ROHS (EU directives 2011/65/EU and 2015/863) | | | | | | | | |
| Range (coding example see table 1 below for all standard ranges) | | | | | | | | |
| Single Scale | | | | | | | | |
| 100# - 100 psi | | | | | | | | 100# |

| TABLE 1 - RANGES | |
|------------------|----------|
| psi | Code |
| 30IMV/0 | VAC |
| 30IMV/15 | 15#&VAC |
| 30IMV/30 | 30#&VAC |
| 30IMV/60 | 60#&VAC |
| 30IMV/100 | 100#&VAC |
| 0/15 | 15# |
| 0/30 | 30# |
| 0/60 | 60# |
| 0/100 | 100# |
| 0/160 | 160# |
| 0/200 | 200# |
| 0/300 | 300# |
| 0/400 | 400# |
| 0/600 | 600# |

DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

| Lower Connection | | | | | | | | | | |
|------------------|---------------|--------------|--------------|---------------|--------------|--------------|----------------|--------------|-------------|----------------------|
| Dial Size Inches | A | B | C | D | E | F | Wrench Flats G | H | I | Weight oz / kg |
| 4½" | 4.75 [121] | 1.41 [36] | 2.38 [60] | 5.81 [148] | 3.38 [86] | 0.47 [12] | 9/16 [14] | 0.42 [11] | 0.25 [6] | 17.21 oz 0.488 kg |

