

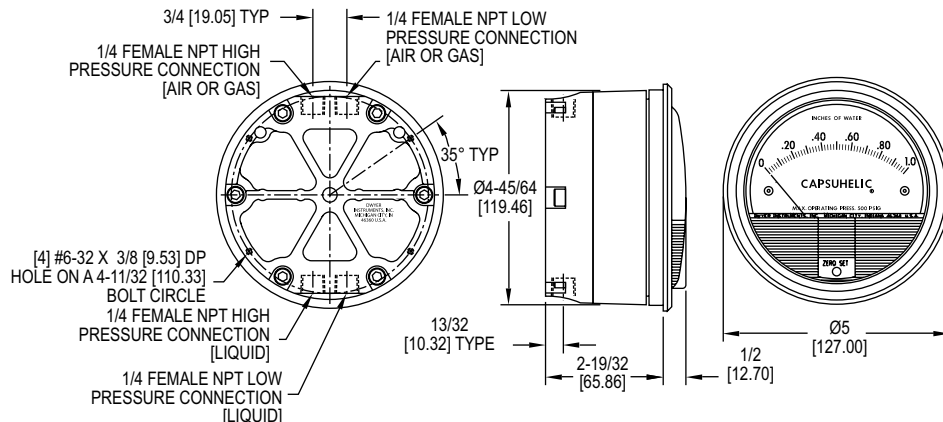
# CAPSUHELIC® DIFFERENTIAL PRESSURE GAGE

Measures Pressure, Vacuum or Differential, Suitable for Internal Pressures to 500 psig

CALIBRATION SERVICES AVAILABLE



Capsuhelic® pressure gage has a large, easy-to-read 4" (102 mm) dial.



The **Series 4000 Capsuhelic® Differential Pressure Gage** is designed to give fast, accurate indication of differential pressures. The gage may be used as a readout device when measuring flowing fluids, pressure drop across filters, liquid levels in storage tanks and many other applications involving pressure, vacuum or differential pressure.

The pressure being measured is held within a capsule which is an integral part of the gage. This containment of the pressure permits the use of the gage on system pressures of up to 500 psig, even when differentials to be read are less than 0.1 in w.c.

## BENEFITS/FEATURES

- Gage capsule permits high-pressure usage with small differentials
- Zero and range adjustments outside of gage means no disassembly in normal service
- Time-proven, simple, frictionless movement that permits full-scale readings as low as 0.5 in w.c.
- Diaphragm-actuated versus liquid filled gage supports outdoor use

## APPLICATIONS

- Fluid flow
- Liquid storage tanks
- Filter pressure drops
- Vacuum or differential pressure

**Note:** May be used with hydrogen where pressures are less than 35 psi. Order with a Buna-N diaphragm.

| MODEL CHART |               |         |                 |
|-------------|---------------|---------|-----------------|
| Model       | Range         | Model   | Range           |
| 4005*       | 0-5.0 in w.c. | 4310    | 5-0-5 in w.c.   |
| 4006*       | 0-6.0 in w.c. | 4330    | 15-0-15 in w.c. |
| 4010*       | 0-10 in w.c.  | 4205    | 0-5 psid        |
| 4015*       | 0-15 in w.c.  | 4210    | 0-10 psid       |
| 4020*       | 0-20 in w.c.  | 4215    | 0-15 psid       |
| 4025*       | 0-25 in w.c.  | 4220    | 0-20 psid       |
| 4030*       | 0-30 in w.c.  | 4616B** | 0-16 ft w.c.    |
| 4040*       | 0-40 in w.c.  | 4635    | 0-35 ft w.c.    |
| 4050*       | 0-50 in w.c.  |         |                 |
| 4060*       | 0-60 in w.c.  |         |                 |
| 4080*       | 0-80 in w.c.  |         |                 |
| 4100*       | 0-100 in w.c. |         |                 |
| 4200*       | 0-200 in w.c. |         |                 |

\*These ranges available for vertical scale position only.

\*\*Available only with the brass case for water service.

**Note:** Scales reading directly in flow, heights, etc., are also available.

## SPECIFICATIONS

**Service:** Aluminum case: Air and compatible gases and oil based liquids; Brass case: Air and compatible gases and water based liquids.

**Wetted Materials:** Consult factory.

**Housing:** Die cast aluminum with impregnated hard coating, standard. Optional forged brass housing is required for water or water based fluids. Special material diaphragms available, contact factory.

**Accuracy:** ±3% of FS at 70°F (21.1°C). (±4% on 4200, 4210, 4215, 4220, 4300, 4400, and 4500).

**Pressure Limits:** -20" Hg to 500 psig (-0.677 bar to 34.4 bar).

**Temperature Limits:** 20 to 200°F (-6.67 to 93.3°C).

**Size:** 4" (101.6 mm) diameter dial face.

**Mounting Orientation:** Diaphragm in vertical position. Consult factory for other position orientations.

**Process Connections:** 1/4" female NPT high and low pressure taps, duplicated - one pair top for air and gas, and one pair bottom for liquids.

**Weight:** 3 lb, 3 oz (1.45 kg) aluminum case; 7 lb, 13 oz (3.54 kg) brass case.

## OPTIONS

| To order add suffix: | Description                                            |
|----------------------|--------------------------------------------------------|
| -ASF                 | Adjustable signal flag                                 |
| B                    | Brass case                                             |
| -NIST                | NIST traceable calibration certificate                 |
| Scale Overlays       | Red, green, mirrored or combination; specify locations |

## ACCESSORIES - STANDARD

| Description                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------|
| Two 1/4" NPT plugs for duplicate pressure taps, four flush mounting adapters with screws and four surface mounting screws. |

## ACCESSORIES

| Model | Description                 |
|-------|-----------------------------|
| A-298 | Flat flush mounting bracket |
| A-314 | Bleed fitting               |
| A-370 | Mounting bracket            |
| A-496 | Flush mount bracket         |
| A-610 | Pipe mount kit              |

USA: California Proposition 65  
**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Process Tubing Options: See page 453 (Gage Tubing Accessories)