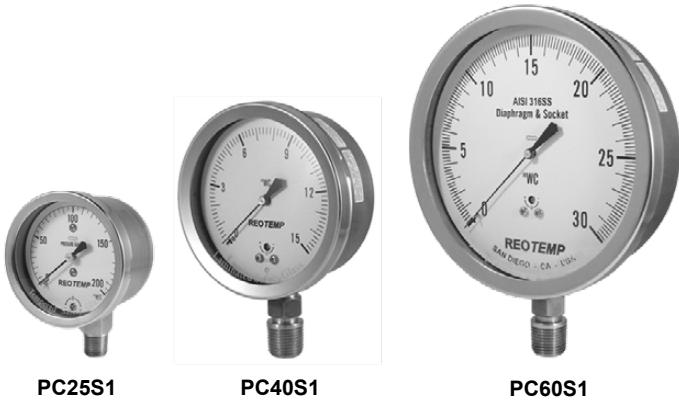


## ALL STAINLESS STEEL LOW PRESSURE GAUGE

REOTEMP's Series PC low pressure gauges offer accurate and reliable measurements of gaseous media. Offered with stainless steel internals, the Series PC is designed to withstand corrosive media and ensure a long-lasting instrument.



### FEATURES / BENEFITS

- Sensitive Diaphragm/Capsule Mechanism
- All-Welded 316 Stainless Steel Capsule and Socket
- Easy-Access Zero Reset Screw on Dial

### SPECIFICATIONS

#### Construction Materials:

Non Wetted

Case: 304SS

Ring: 304SS, Bayonet Twist-Off

Dial: White Aluminum, Black Letters

Wetted

Capsule: 316LSS

Socket: 316SS

Case-to-Socket

Screw Connection

Vented Case

Lens

Tempered Safety Glass

Plastic

Laminated Safety Glass

#### Temperature Limits:

Ambient

-40°F — 150°F

Process

-40°F — 200°F

Process Temperature Limits When Assembled with a Diaphragm Seal

-60°F — 350°F



Direct Mount

-100°F — 750°F

Remote Mount or Cooling Tower

\*Exact temperature limits will depend on diaphragm seal & fill fluid.

**Accuracy:** 1.6% Full Scale, ASME Grade A+

**Fillable:** No

**Restrictor Screw:** Yes

**Weight:** 2.5" = 0.5 lbs

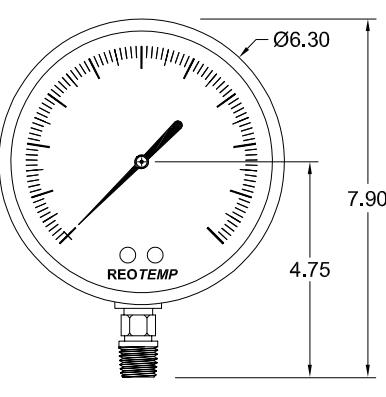
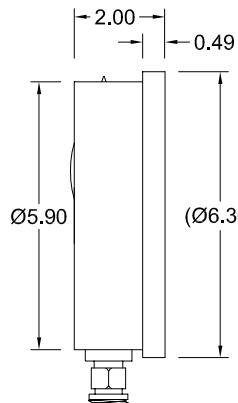
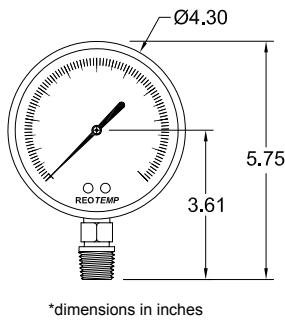
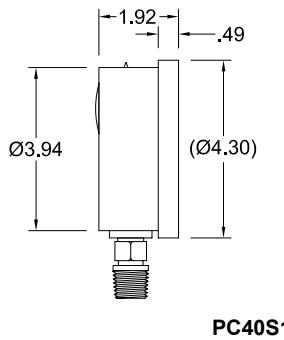
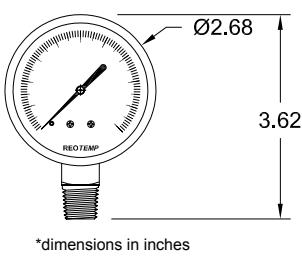
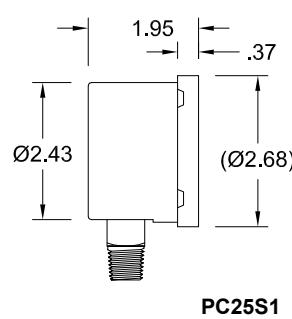
4" = 1.1 lbs

6" = 2.1 lbs

**Maximum Working Pressure:**

Stable = 100%

Momentary = 130% of scale



# ALL STAINLESS STEEL LOW PRESSURE GAUGE


[Visit reotemp.com](http://reotemp.com)

- ✓ Check Stock
- ✓ Get Price
- ✓ Configure Part #
- ✓ Download PDF Data Sheets

**HOW TO ORDER:** Choose options to build a part number. For example: [PC40S1A2P52-D-T-HV](#)

PC40	S	1	A	2	P52	-D	-T	-HV
DIAL SIZE	CASE TYPE	CAPSULE & SOCKET	MOUNT TYPE	CONNECTION	RANGE CODE	CASE FILL	LENS	ACCESSORIES
<b>PC25 = 2.5"</b> <b>PC40 = 4"</b> <b>PC60 = 6"</b>	<b>S = 304SS Case &amp; Bezel w/ Removable Bayonet, Zero Correction on Dial</b>	<b>1 = 316SS</b>	<b>A =</b> Bottom <b>B =</b> Bottom/Rear Flange <b>*C =</b> Center Back <b>*D =</b> Center Back "U" Clamp <b>*E =</b> Center Back/Front Flange	<b>4 =</b> 1/4" NPT <b>2 =</b> 1/2" NPT	<i>See Master Range Code Sheet on page 41</i> <i>Case is Not Fillable</i> <b>-D =</b> Dry <i>Common Ranges</i> <b>P50</b> = 0-10 in H <sub>2</sub> O <b>P51</b> = 0-15 in H <sub>2</sub> O <b>P52</b> = 0-30 in H <sub>2</sub> O <b>P53</b> = 0-60 in H <sub>2</sub> O <b>P54</b> = 0-100 in H <sub>2</sub> O <b>P55</b> = 0-160 in H <sub>2</sub> O <b>P56</b> = 0-200 in H <sub>2</sub> O	<b>-T =</b> Tempered Safety Glass (std) <b>-P =</b> Plastic <b>-S =</b> Laminated Safety Glass	<i>-HV =</i> Hi-Vis Dial <i>-OX =</i> Cleaned for O <sub>2</sub> Service <b>-C3</b> = 3 pt. Calibration Certificate <b>-TS</b> = Stainless Steel Tag <b>-NC</b> = NACE Compliance Certificate	
					<i>Available Ranges</i> ■ 10" to 300" Water Column ■ Gauge Pressure, Vacuum, or Compound			
			<b>A =</b> Bottom <b>B =</b> Bottom/Rear Flange <b>*C =</b> Lower Back <b>*E =</b> Lower Back/Front Flange	<b>4 =</b> 1/4" NPT <b>2 =</b> 1/2" NPT	<i>Standard Units</i> ■ in H <sub>2</sub> O  <i>Available Units</i> ■ kPa ■ inHg ■ mbar ■ mmHg ■ psi ■ oz/in <sup>2</sup> ■ mmH <sub>2</sub> O & more			

## Diaphragm Seal Suitability Guide

\*Non-standard configuration

Low pressure capsule gauges are very sensitive and require diaphragm seals with high fluid displacement. If a diaphragm seal is required to isolate the process fluid from the pressure gauge, the following seal model types are available for the Series PC.

### Diaphragm Seal Model

#### Total Gauge Span\* (in H<sub>2</sub>O)

	10"	15"	20"	30"	40"	60"	100"	160"	200"	300"
High Displacement	W6	X	X	X	X	X	S	S	T	T
	W7	X	X	X	S	S	T	T	T	
	V5	X	S	S	T	T	T	T		
	T6	X	X	X	X	X	S	S	S	S



\*Total gauge span is additive of negative and positive pressures.

Example: -15 - 0 - 30 psi = 45 psi span

■ Assembly will function correctly with minimal accuracy degradation.

■ Assembly will function correctly given stable process temperature.

■ Assembly is highly sensitive to orientation and temperature variance. REOTEMP cannot guarantee a stated accuracy.

■ Assembly will not work. The diaphragm does not displace enough fill fluid to drive the pressure gauge.