

HEAVY-DUTY REPAIRABLE STAINLESS GAUGE

REOTEMP's Series PR gauge offers rugged, all-welded stainless steel construction ideal for heavy-duty industrial applications. The stainless steel case, tube and socket are welded together for superior case sealing and gauge integrity. The twist-off bayonet ring offers easy-access for field repair and calibration services. Liquid filling (at the factory or in the field) is recommended for applications involving vibration. For high-corrosive, high-temp, or severe service applications, a diaphragm seal is recommended.



Fillable



Dials



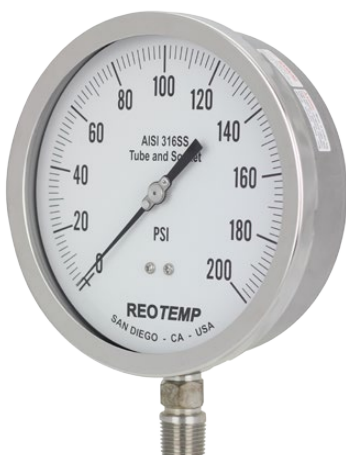
Accuracy



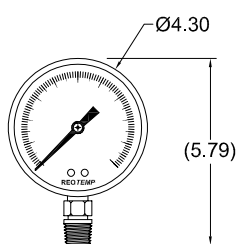
Custom Logo



PR40

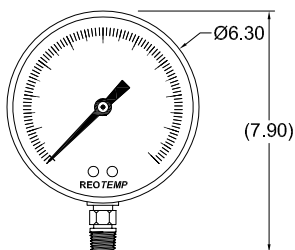


PR60



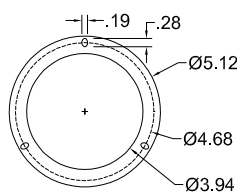
PR40

*dimensions in inches

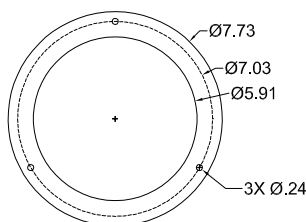


PR60

*dimensions in inches



PR40 Mounting Flange



PR60 Mounting Flange

FEATURES / BENEFITS

- All-Welded Stainless Steel Construction
- Removable Bayonet Ring, Micro Adjustable Pointer
- Field Fillable Case, NEMA 4/IP65
- Internal Overload and Underload Stops, Floating Zero
- Safety Blow-out Relief

SPECIFICATIONS

Construction Materials:

Non Wetted

Case: 304SS

Ring: 304SS, Twist-Off Bayonet

Dial: White Aluminum, Black Letters

Wetted

Tube: 316L SS

Socket: 316SS

Case-to-Socket

Welded

Lens

Tempered Safety Glass

Plastic

Laminated Safety Glass

Temperature Limits:

Ambient

-40°F ————— 150°F

Process

-40°F ————— 250°F

Process Temperature Limits When Assembled with a Diaphragm Seal

-60°F ————— 400°F

Direct Mount

-100°F ————— 750°F

Remote Mount or Cooling Tower

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

Accuracy: 1%, ASME Grade 1A

(10K to 20K ; 2% Upscale, 4% Downscale)

Fillable: Yes

Restrictor Screw: Yes

Weight: 4" = 1.3 lbs (2.0 lbs filled)

6" = 2.1 lbs (4.2 filled)

Maximum Working Pressure: Stable = 100%

Momentary = 130% of scale

HEAVY-DUTY REPAIRABLE STAINLESS GAUGE



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HOW TO ORDER: Choose options to build a part number. For example: **PR40S1A4P01-D-T-HV**

PR40	S	1	A	4	P01	-D	-T	-HV
DIAL SIZE	CASE TYPE	TUBE & SOCKET	MOUNT TYPE	CONNECTION	RANGE CODE	CASE FILL	LENS	ACCESSORIES
PR40 = 4" PR60 = 6"	S = 304SS *T = 316SS	1 = 316SS *3 = Monel	A = Bottom B = Bottom/Rear Flange C = Lower Back D = Lower Back "U" Clamp E = Lower Back/Front Flange F = Lower Back/Rear Flange	4 = 1/4" NPT 2 = 1/2" NPT 5 = 1/4" Female High Pressure (9/16" - 18 UNF)	See Master Range Code Sheet on page 41 Common Ranges P01 = -30 in HG-0 psi P03 = -30 in HG-0-30 psi P16 = 0-30 psi P18 = 0-100 psi P20 = 0-200 psi P21 = 0-300 psi P25 = 0-1,000 psi P34 = 0-5,000 psi Available Ranges ■ Vac to 20,000 psi ■ Gauge Pressure, Vacuum, or Compound ■ Lowest Range = 10 psi Available Units: ■ psi (std) ■ bar ■ kPa ■ kg/cm² ■ ft H ₂ O ■ & more	-D = Dry -G = Glycerine -S = Silicone -W = Glycerine 65/35	-T = Tempered Safety Glass (std) -P = Plastic -S = Laminated Safety Glass	-HV = Hi-Vis Dial -C3 = 3 pt. Calibration Certificate -OX = Cleaned for O ₂ Service -TS = Stainless Steel Tag -MP = Max. Pointer -EC = Electrical Contacts -P6 = Pointer Stop at 6 O'clock -R2 = .5% Full Scale Accuracy -NC = NACE Compliance Certificate

*Non-standard configuration

Diaphragm Seal Suitability Guide

For applications where a diaphragm seal is required, the following diaphragm seal model types are most commonly assembled and filled to Series PR40/60 pressure gauges. This matrix identifies which diaphragm seal is appropriate based on the specified pressure range. Please reference the diaphragm seal data sheet and seal fill fluid guide for additional application considerations including max pressure, temperature limits, and material compatibility.

Diaphragm Seal Model		Total Gauge Span* (in psi)							
			15	30	45	60	75	100	160+
Mini Seals		MS6	X	S	T	T	T		
		MS8	T	T	T				
Threaded Flush		1"	X	X	X	S	T		
		1.5"	T	T	T				
Offline		W5	S	T	T				
		W6							
		T5/V5							
Sanitary		1.5" TC	X	X	X	T	T	T	
		2" TC	S	T	T				

*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.