

HEAVY-DUTY REPAIRABLE STAINLESS GAUGE

PRESSURE GAUGES

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.



Fillable



Dials



Custom Logo



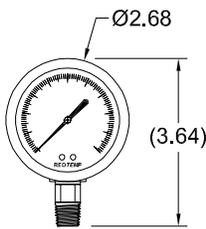
Diaphragm Seal
Compatible



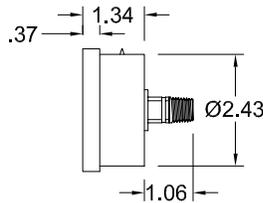
PR25



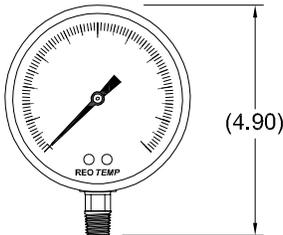
PR35



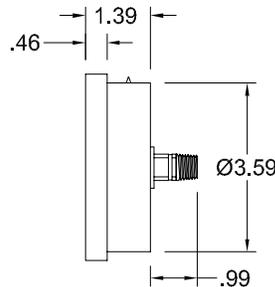
PR25



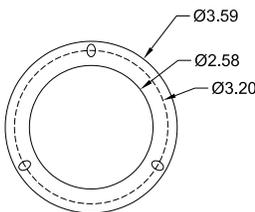
*dimensions in inches



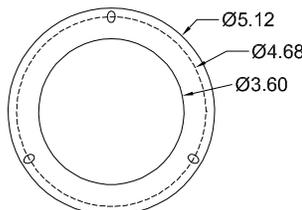
PR35



*dimensions in inches



PR25 Mounting Flange



PR35 Mounting Flange

FEATURES / BENEFITS

- All-Welded Stainless Steel Construction
- Removable Bayonet Ring with Adjustable Pointer
- Field Fillable Case, NEMA 4X/IP65
- Rugged, Long-Lasting Design



SPECIFICATIONS

Accuracy	2 - 1 - 2%, ASME Grade A (2% up, 4% down for 10,000 psi and higher).
Ambient Limits	-40°F/150°F
Process Limits	-40°F/250°F
Process Limits with Diaphragm Seal	-60°F/400°F (Direct Mount)* -110°F/750°F (Remote Mount or Cooling Tower)* *Exact limits depend on diaphragm seal and fill fluids.
Wetted Materials	Tube: 316SS Seamless Socket: 316SS
Lens	Tempered Safety Glass, Plastic or Laminated Safety Glass
Other Materials	Case: 304SS Ring: 304SS Twist-Off Bayonet Dial: White Aluminum with Black Letters Case-Socket: Welded
Fillable	Yes
Restrictor Screw	Yes, removable.
Maximum Working Pressure	Stable = 100% Momentary = 130% of scale
Environmental Protection	NEMA 4X/IP65
Weight	2.5" = 0.4 lbs (0.6 lbs filled), 3.5" = 0.7 lbs (1.0 lbs filled)

HEAVY-DUTY REPAIRABLE STAINLESS GAUGE



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HOW TO ORDER: Choose options to build a part number. For example: PR25S1A4P18-D-P-MP

PR25	S	1	A	4	P18	-D	-P	-MP
DIAL SIZE	CASE TYPE	TUBE & SOCKET	MOUNT TYPE	CONNECTION	RANGE CODE	CASE FILL	LENS	OPTIONS
PR25 = 2.5" PR35 = 3.5"	S = 304SS *T = 316SS	1 = 316SS *3 = Monel	A = Bottom B = Bottom/Rear Flange C = Center Back D = Center Back "U" Clamp E = Center Back/Front Flange	4 = 1/4" NPT *8 = 1/8" NPT 2 = 1/2" NPT (PR35 ONLY) *M = 1/4" Tube Fitting	N06B = Vac to 0 to 150 psi/Ammonia N08 = Vac to 0 to 300psi/Ammonia N06 = Vac to 0 to 160psi/Ammonia N09 = Vac to 0 to 400psi/Ammonia <i>Other Refrigerant Ranges Available: R404A, R22, R410A, R134A</i>	-D = Dry -G = Glycerin -S = Silicone -W = Glycerin/Water (65/35) -I = Inert	-T = Tempered Safety Glass (std. on 3.5") -P = Plastic (std. on 2.5") -S = Laminated Safety Glass	-HV = HiVis Dial -HG = Glow in the Dark Dial -UV = UV Protective Lens -C3 = 3pt. Calibration

*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 PR25/35 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	200 +	
Mini Seals									
MS4	T	T	T						
MS6	T								
MS8									
Threaded Flush									
1/2"	X	S	S	T	T	T	T		
3/4"	X	T	T	T	T	T			
1"	T	T	T						
1.5"									
Offline									
W5									
T5									
Sanitary									
3/4" TC	X	S	S	T	T	T	T		
1.5" TC	T	T							
2" TC									

*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 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.

PR25S1A4P18-D-P
MS4G4F4XS-DTD-AS

HEAVY-DUTY REPAIRABLE STAINLESS GAUGE

PRESSURE GAUGES

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.



PR40

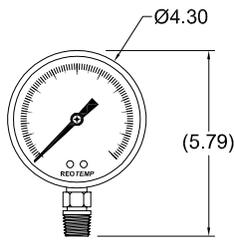


PR60

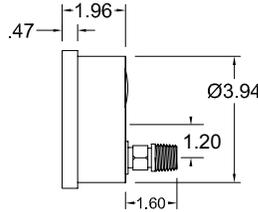


FEATURES / BENEFITS

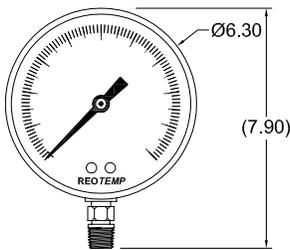
- All-Welded Stainless Steel Construction
- Removable Bayonet Ring, Micro Adjustable Pointer
- Field Fillable Case, NEMA 4X/IP65
- Internal Overload and Underload Stops, Floating Zero
- Safety Blow-Out Relief



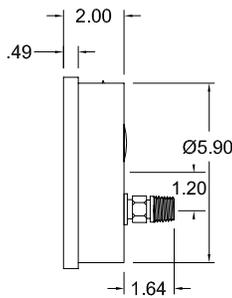
PR40



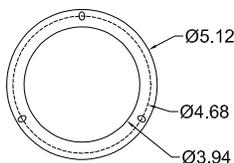
*dimensions in inches



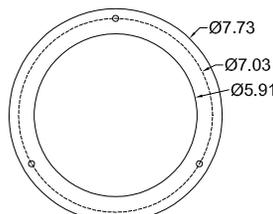
PR60



*dimensions in inches



PR40 Mounting Flange



PR60 Mounting Flange

SPECIFICATIONS

Accuracy	1%, ASME Grade 1A (10K to 20K ; 2% Upscale, 4% Downscale)
Ambient Limits	-40°F/150°F
Process Limits	-40°F/250°F
Process Limits with Diaphragm Seal	-60°F/400°F (Direct Mount)* -110°F/750°F (Remote Mount or Cooling Tower)* *Exact limits depend on diaphragm seal and fill fluids.
Wetted Materials	Tube: 316SS Seamless Socket: 316SS
Lens	Tempered Safety Glass , Plastic or Laminated Safety Glass
Other Materials	Case: 304SS Ring: 304SS Twist-Off Bayonet Dial: White Aluminum with Black Letters Case-Socket: Welded
Fillable	Yes
Restrictor Screw	Yes, removable.
Maximum Working Pressure	Stable = 100% Momentary = 130% of scale
Environmental Protection	NEMA 4X/IP65
Weight	4" = 1.3 lbs (2.0 lbs filled), 6" = 2.1 lbs (4.2 lbs filled)

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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	OPTIONS
PR40 = 4" PR60 = 6" PR10 = 10"	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)	N06B = Vac to 0 to 150 psi/Ammonia N08 = Vac to 0 to 300psi/Ammonia N06 = Vac to 0 to 160psi/Ammonia N09 = Vac to 0 to 400psi/Ammonia <i>Other Refrigerant Ranges Available: R404A, R22, R410A, R134A</i>	-D = Dry -G = Glycerin -S = Silicone -W = Glycerin/Water (65/35) -I = Inert	-T = Tempered Safety Glass (std) -P = Plastic -S = Laminated Safety Glass	-HV = HiVis Dial -HG = Glow in the Dark Dial -UV = UV Protective Lens -C3 = 3pt. Calibration

PRESSURE GAUGES

*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)

Mini Seals

		15	30	45	60	75	100	160+
	MS6	X	S	T	T	T		
	MS8	T	T	T				

Threaded Flush

		15	30	45	60	75	100	160+
	1"	X	X	X	S	T	T	
	1.5"	T	T	T	T			

Offline

		15	30	45	60	75	100	160+
	W5	S	T	T				
	W6	T						
	W7/T5/V5							

Sanitary

		15	30	45	60	75	100	160+
	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 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.