

ALL-WELDED PROCESS SEAL GAUGE

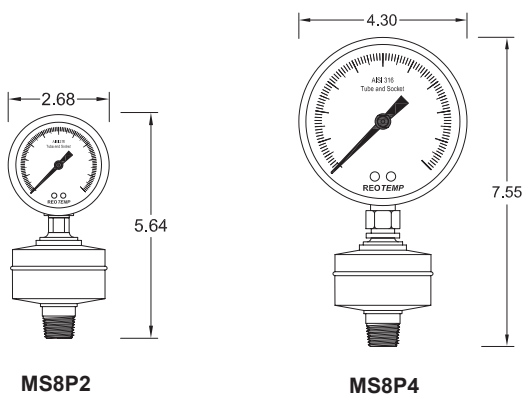
REOTEMP's All-Welded Pressure Seal Gauge™ offers superior diaphragm seal safety and performance at an economical price. Combined with a gauge or transmitter, the tamper-resistant all-welded diaphragm seal reduces potential leak points, making it ideal for installations where process integrity and worker safety are paramount. Combined with PulsePlus™ protection, the Series MS8 can potentially triple the life of your gauge or transmitter.



MS8P2

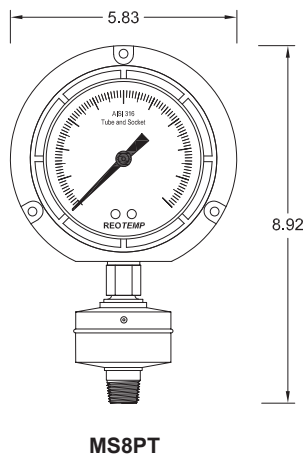
MS8P4

MS8PT



MS8P2

MS8P4



MS8PT

All drawings depict a 1/2" NPT Male process connection. See online configurator for specific assembly drawings.

FEATURES / BENEFITS

- Increases the Life of the gauge by up to 3x
- Reduce/Eliminate Fugitive Emissions
- Available up to 5,000psi
- Eliminate Potential Leak Points
- Tamper Resistant
- Compliant to NACE MR0175

SPECIFICATIONS

Construction Materials:

Non Wetted

Upper Housing: 316 Stainless Steel

Wetted

Diaphragm, Lower and Process Connection: 316LSS or Hast. C-276

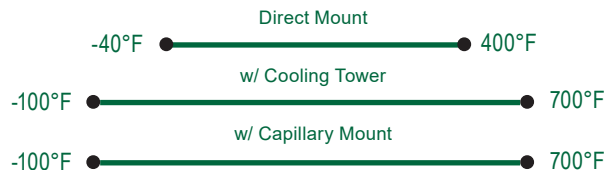
Gasket: None

Temperature Limits:

Ambient

See Pressure Gauge Data Sheet

Process



Note: seal fill selection may further restrict temperature limits.

Accuracy: With appropriate pressure range, seal gauge accuracy is gauge accuracy plus 0.5%. (Subject to thermal error. Consult factory with questions.)

Weight: 0.6 lbs (seal only)

Displacement: 0.055 in³

Diaphragm Seal Proof PPressure (at 100°F):

		316SS	Hast. C-276
Male	1/4" NPT	5,000 psi	1,500 psi
	1/2" NPT	5,000 psi	1,500 psi
	3/4" NPT	2,000 psi	n/a
	1" NPT	1,000 psi	n/a
Female	1/4" NPT	2,500 psi	n/a
	1/2" NPT	2,500 psi	n/a

Note: Max. working pressure is lesser of proof pressure and 130% of gauge range.

ALL-WELDED PROCESS SEAL GAUGE



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NOTE: REOTEMP will mount a MS8 seal only to qualified pressure instruments. Examples include: REOTEMP pressure transmitters models TG, TH, TE and TX. REOTEMP pressure switches (various models) or compatible customer supplied pressure instruments.

HOW TO ORDER: Choose options to build a part number. For example: **MS8PTAM3XP01-SDDDASP GT-HV**

MS8PT	A	M3	X	P01	-S
PRESSURE INSTRUMENT	GAUGE MOUNT	PROCESS CONNECTION	FLUSH CONNECTION	PRESSURE RANGE	WETTED MATERIAL
<p><i>Solid Front/ Blowout Back Process Gauges</i></p> <p>MS8PT = 4.5" Phenolic Process Safety Gauge</p> <p>MS8PS = 4.5" Stainless Safety Gauge</p> <p><i>Industrial All Stainless Steel Gauges</i></p> <p>MS8P6 = 6" SS</p> <p>MS8P4 = 4" SS</p> <p>MS8P3 = 3.5" SS</p> <p>MS8P2 = 2.5" SS</p> <p><i>Hinged-Ring Process Gauge</i></p> <p>MS8PI = 4.5" Aluminum Case, SS internals</p>	<p>A = Bottom </p> <p>C = Back (4", 4.5", 6") Lower Back (2.5", 3.5") Center Back </p> <p>E = Back/ Front Flange (Panel Mount) (4", 4.5", 6") Lower Back (2.5", 3.5") Center Back </p>	<p>M2 = 1/2" male NPT</p> <p>M4 = 1/4" male NPT</p> <p>M3 = 3/4" male NPT</p> <p>M1 = 1" male NPT</p> <p>F2 = 1/2" female NPT</p> <p>F4 = 1/4" female NPT</p>	<p>X = No Flush</p> <p>F = Single 1/4" Flush (Includes Plug)</p>	<p>See Master Range Code Sheet on page 41</p> <p><i>Common Ranges</i></p> <p>P01 = Vac</p> <p>P15 = 15 psi</p> <p>P16 = 30 psi</p> <p>P17 = 60 psi</p> <p>P18 = 100 psi</p> <p>P20 = 200 psi</p> <p>P21 = 300 psi</p> <p>P22 = 400 psi</p> <p>P23 = 600 psi</p> <p>P25 = 1,000 psi</p> <p>P31 = 2,000 psi</p> <p>P32 = 3,000 psi</p> <p>P34 = 5,000 psi</p> <p><i>Available Ranges</i></p> <ul style="list-style-type: none"> ■ 15 psi to 6,000 psi ■ Gauge Pressure, Vacuum, or Compound <p><i>Standard Units</i></p> <ul style="list-style-type: none"> ■ psi ■ psi/bar 	<p>-S = 316L SS</p> <p>-H = Hast. C-276 (Not available with flush connection).</p>

DDD	AS	P	G	T	-HV
SEAL MOUNTING	SEAL FILL	PULSATION PROTECTION	CASE FILL	LENS	ACCESSORIES
<p>DDD = Direct</p> <p>RTR = Cooling Tower</p> <p>A?? = Armored 316 SS Capillary (5-40 ft.)</p> <p>P?? = PVC Coated Armored 316 SS Capillary</p> <p>Note: ?? = Length in feet (e.g. 05 = 5 feet)</p> <p>Note: Capillary connection is welded unless otherwise specified.</p>	<p>See Page 52 for Complete Fill Guide</p> <p>AS = Silicone DC200</p> <p>AG = Glycerin</p> <p>CI = Fomblin</p> <p>CI = Silicone DC704</p>	<p>X = None</p> <p>P = Pulse Plus™ (Pulsation Protection)</p>	<p>D = Dry</p> <p>G = Glycerin</p> <p>W = Glycerin Water (65/35)</p> <p>S = Silicone</p> <p>Note: MS8PI is not fillable.</p>	<p>T = Tempered Safety Glass</p> <p>S = Laminated Safety Glass</p> <p>P = Plastic</p>	<p>-HV = Hi-Vis™ Dial</p> <p>-C3 = 3 Point Calibration Certificate</p> <p>-TS = Stainless Steel Tag</p> <p>-OX = Cleaned for O₂ Service</p> <p>-CN = NACE Certificate</p>