

Water and Wastewater Industry

Pressure and Temperature Instruments



Municipal & Marine Wastewater Treatment
Desalination
Industrial Water Treatment
Water Storage, Pumping, and Distribution

REOTEMP

Reotemp Ring Seals

Reotemp is a leading manufacturer of Isolation Ring Seals for the wastewater markets. Designed and built in the USA, Reotemp offers a variety of sizes, configurations, materials, and mounting types. Reotemp will mount, fill, and certify filled systems with any brand instrumentation or provide the seal components individually for field filling and installation.

Drop-In Replacements available for existing installations with any brand Ring Seal.

Available with American Iron & Steel (AIS) compliant material.

Instrument Quick Disconnect (IQD) allows for 360° swivel and removal of instrumentation for repair or recertification without having to remove the isolation ring.

Flanged or Threaded mounting to Pipes from ½" to 20" with uninterrupted process flow. No dead legs or cavities that may clog.

Over one thousand mounting options/orientations with one, two, or three instruments mounted to one seal. Any brand gauge, transmitter, or switch accepted.

- ☑ One Year Product Warranty with a Free Liner Replacement within the first 3 years.
- ☑ Industry's Best Online Configuration Tools and Quickest Lead Times

Pressure Instruments

Process Gauge Series PT45



Accuracy: $\pm 0.5\%$

Dial Size: 4.5"

Wetted Material: 316SS

Case: Phenolic

Differential Pressure Gauges



Accuracy: 3-2-3%

Dial Size: 2.5", 3.5", 4.5", 6"

Measure High/Low Pressures
Across Filters

Process Limits: $-40^{\circ}\text{F}/200^{\circ}\text{F}$

Industrial Gauges PM Series



Accuracy: 1.5 - 2.5" = 3/2/3%
2.5" = 1.6%, 4" = 1%

Dial Size: 1.5", 2", 2.5", 4"

Case: Stainless Steel

Wetted Materials: 316SS

Fillable Case

Heavy-Duty Gauges Series



Accuracy: $\pm 1\%$ full scale

Dial Size: 2.5", 3.5", 4", 6"

Wetted Material: 316SS

Case: Stainless Steel (Fillable)

Contractor Gauge Series PN



Accuracy: $\pm 1\%$ full scale

Dial Size: 4.5", 6" or 8.5"

Wetted Materials: Brass

Case: Stainless Steel or Steel

Industrial Gauges PG Series



Accuracy: 1.5 - 2.5" = 3/2/3%
2.5" = 1.6%, 4" = 1%

Dial Size: 1.5", 2", 2.5", 4"

Wetted Materials: Copper Alloy

Case: Stainless Steel

Fillable Case

General Purpose Gauges



Accuracy: 3 - 2 - 3%

Dial Size: 1.5", 2", 2.5", 3.5", 4"

Wetted Materials: Copper Alloy

Case: Steel Case

Schaeffer Pressure Gauge



Accuracy: Class 1.6 as per DIN
EN 837-3

Dial Size: 4", 6"

Wetted Material: 316SS

Case: Cast Aluminum

0/10 mbar to 0/40 bar

Pressure Transmitters



4-20mA or VDC Output Reading

Accuracy: 0.25%

Vacuum, Compound, Pressure
to 10,000psi

Submersible Transmitter



Applications Include: Lift
Stations, Sewage, Slurry
Tanks, Storm Canals, Water &
Wastewater and Wet Wells

316 Stainless Steel and
Polyurethane Wetted Parts

Accurate Level Measurements
from 5" WC to 300 psi

Pressure Switch



Reliable Piston-Actuated, Force
Balanced Construction

Field-Adjustable Set Points

UL, CSA Certified Switching
Elements

General Purpose Digital Gauge



Simple, Accurate, Battery
Powered Pressure Reading

Accuracy: $\pm 1\%$ or 0.5%

Standard AAA Battery

Backlight Standard

Pressure Instruments

Isolation Flow Thru Ring Seal



Wafer Style

Pipe Size: 2" to 20"

Liners: Buna, Viton, EPDM, Natural Rubber and PTFE

Materials: Carbon Steel, 316SS

Ring Seal Flanged Bolt-Thru



Bolt-Thru Style

Pipe Size: 1" to 10"

Flange Class: 150# or 300#

Liners: Buna, Viton, EPDM, Natural Rubber and PTFE

Materials: Carbon Steel, 316SS

Threaded Ring Seal



Threaded Style

Pipe Size: 1/2" to 2"

Liners: Buna, Viton, EPDM, and Natural Rubber

Materials: Carbon Steel, 316SS

Navy Mil Spec Ring Seal



Bolt-Thru Style

Various Pipe Sizes Offered

Meets MIL-F-20042 Flange Dimensions

Liners: Buna, Viton, EPDM, Natural Rubber and PTFE-

Threaded/Flanged Offline Seal



Diaphragm: 316SS, Hast C-276, Tantalum, Monel, Teflon, Viton, or Others

3 Diaphragm Sizes Available for Low to High Pressure Applications.

MS8 Process Seal Gauge



All-Welded Diaphragm Seal with Integral Gauge

No Gasket, Leak and Tamper Resistance

Available in 316L, Monel, Hastelloy, and Tantalum Diaphragm

Mini Seal



All-Welded Assembly

Gasket-less Design

Eliminate Fugitive Emissions

Tamper Resistant

Available in 316, Hastelloy, Monel, and Tantalum

Plastic Seal



Used in Chemical Feed Lines

Diaphragm: PTFE

Material: PVC, PP, PVDF

Threaded Flush Face Seal



Ideal for Clogging/Viscous Process Media

Materials: 316SS, Hast C-276

Process Connection: 1/2" to 2" NPT

Flush Face Flange



Ideal for Gauge or Differential Pressure Transmitters

Flush Face Design Minimizes Clogging Concerns

Wide variety of Materials Available

Flow-Thru Seal (Threaded/Flanged)



Continuous Process Flow

Ideal for Potential Clogging

Process Connections Available in NPT, SW & Flanged

Wide Variety of Materials Available

Diaphragm Seal Repair



Works with all SMART Transmitter Manufacturers

Fitted with a New Assembly and Certified with NIST Traceable Calibration Equipment.

Warranty: 1 year

Temperature

Temperature Transmitter



4-20mA with or without HART

Digital Display with Optical Push Buttons or Blind Enclosure

Available with Various Stem Lengths and Mounting Styles

Bimetallic Thermometer



Accuracy: $\pm 1\%$ Full Scale

Dial Size: 3", 4" or 5"

Stem Lengths: 2" to 80"

Ranges: Fahrenheit, Celsius, or Dual Scale

Digital Thermometer



Accuracy: Less than $\pm 1\%$

Sensing Element: RTD, type Pt1000 Ω , class A

Ranges: -58°F to 392°F or -328°F to 1112°F

Mounting: Direct or Remote

Thermowells



Material: A Multitude of Materials Available Machined from Solid Stock

Styles: Threaded, Flanged and Weld-in

Industrial Thermometer



Accuracy: $\pm 1\%$ Full Scale

Ranges: 30/240°F, Others

Stem Lengths: 3.5", 6", 9"

Scale: 9"

RTD's and Thermocouples



RTD: 3-Wire, 4-Wire 100 Ω

Thermocouples: Type K, J, E or N

Wide Variety of Case and Stem Styles Available to Fit any Custom Application

Multipoint Probes



For use measuring multiple depths of a tank or pool

Available in Rigid or Flexible Stem Configurations

Surface Mount



Measure Process Temperatures without Breaching Pipe or Vessel

Can Mount via Magnet, Adhesive, Welded, or Pipe Strap

Surface Thermometer



Accuracy: $\pm 3\%$

Dial Size: 2.5"

Ranges: Fahrenheit or Celsius

Magnetic or Pipe Mount

Tridicators



Primarily for Boiler Applications

Measure Pressure and Temperature Simultaneously

Dial Size: 2.5", 3"

Stem: 1", 2", 2.5"

Pocket Thermometer



Accuracy: $\pm 1.5\%$

Dial Size: 1"

Stem Length: 5"

Pocket Protector with Clip

Accessories and Testing

Overpressure Protector



Extends Instrument Lifespan
Available in 4 Set Ranges
Adjustable from 10 to 3,000psi
Material: Brass or SS

Ball Valve



Quarter Turn Valve Used for High Flow and Quick Shutoff
Material: Brass, CS, SS
Sizes: 1/4" - 2"
Port: Reduced or Full

Needle/Gauge Valve



Multi-turn Valve with 1/4NPT and Greater Connections
Designed for Installation with Instrumentation
Material: CS or SS
Sizes: 1/4" - 2"

Mini Valve



Low Cost Multi-turn Valve Used for Throttling and High Pressure Applications
Material: Brass, CS, SS
Sizes: 1/8" or 1/4"
Handle: Round or Tee

Flush Rings



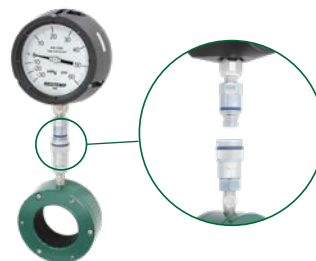
Machined from Solid Bar Stock
Custom Valve Extensions Available
Available in Metallic and Non-Metallic Materials

Adaptors



Obtain the Desired Connection Size
Material: Brass or Stainless Steel
Threaded, Flanged, or Weld

Instrument Quick Disconnect



Ability to Remove Instrument from Line Without System Fluid Loss
Full 360 Degree Instrument Rotation
Stop Collar to Prevent Removal in Pressure Line

Goal Post Assemblies



Custom Designs/Orientations Available
Low Volume Multi-Instrument Mount
3 Standard Styles (Compact, Goal Post & Trident)

Snubbers



Ideal to Reduce Affect of Pulsation on Instrumentation
Material: CS or SS
Size: 1/4" or 1/2"
Types: Filtered or Piston

Test Gauges



Digital Accuracy: $\pm 0.1\%$
Mechanical Accuracy: $\pm 0.25\%$
Standard Connection: 1/4"
Used to Test Instruments

Test Kit



Standard with Carrying Case:
1 Mechanical or Digital Pressure Gauge
2 Pocket Thermometers
1 Test Probe

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