

## SADDLE MOUNT DIAPHRAGM SEAL

Reotemp's Saddle Mount Diaphragm Seals are ideal for pressure measurement of high viscosity or clogging media where it is important to maintain uninterrupted process flow. Reotemp offers a robust and easy-to-install pipe saddle for new installations, or a variety of diaphragm seal housings to fit existing pipe saddles from other manufacturers.



W545

### FEATURES / BENEFITS

- Welded Diaphragm for Maximum Durability
- Designed for applications where clogging and buildup can occur
- If your saddle is already welded in place, select from multiple manufacturer dimensions for a drop in replacement
- Easy Cleanout of Diaphragm Cavity without Compromising Filled System

### SPECIFICATIONS

<b>Diaphragm</b>	316SS, Hast C-276, Tantalum, Monel, Titanium, or others
<b>Lower Housing</b>	316SS, Hast C-276, Monel, or others
<b>Gasket</b>	PTFE, Grafoil, Kalrez, or Klinger
<b>Upper Housing</b>	316SS Standard

Process		W545
<b>Temperature Limits</b>	PTFE Gasket	-110/400°F
	Klinger Gasket	-110/500°F
	Grafoil Gasket	-40/750°F

<b>Ambient Temperature Limits</b>	Determined by the pressure instrument.
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Minimum Recommended Span		W545
	2.5" & 3.5" Gauges	15 psi
	4", 4.5", & 6" Gauges	30 psi
	Transmitter (Gauge Pressure)	150" H <sub>2</sub> O
	Transmitter (Differential Pressure)	300" H <sub>2</sub> O <sub>d</sub>
	Differential Pressure Gauge (D40/42 Only)	N/A

#### Seal Type

6-Bolt	B63	Type B; Up to 3" Pipe
	B64	Type B; 4" and Larger Pipe
8-Bolt	A83	Type A (Ashcroft); Up to 3" Pipe
	A84	Type A (Ashcroft); 4" and Larger Pipe
	B83	Type B (Conoflow/Ametek/RJ Global); Up to 3" Pipe
	B84	Type B (Conoflow/Ametek/RJ Global); 4" and Larger Pipe
	W83	Type R (Wika)

*For Specific Product Drawings Configure Your Saddle Seal at [reotemp.com](http://reotemp.com)*

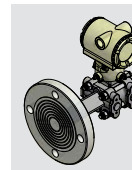
## SADDLE MOUNT DIAPHRAGM SEAL

**HOW TO ORDER:** Choose options to build a part number. For example: **W5452B63XXHS-TKRTR-BH-PP**

SERIES	INSTRUMENT CONNECTION	SEAL TYPE AND MANUFACTURER	PIPE SIZE	SADDLE MATERIAL	DIAPHRAGM & BODY MATERIAL
<b>W545</b>	<b>2</b>	<b>B63</b>	<b>X</b>	<b>X</b>	<b>HS</b>
<b>W545</b> = Welded Diaphragm, Saddle Seal	<b>2</b> = 1/2" FNPT <b>4</b> = 1/4" FNPT <b>W</b> = Low Volume	<b>6-Bolt</b> <b>B63</b> = Type B; Up to 3" Pipe <b>B64</b> = Type B; 4" and Larger Pipe  <b>8-Bolt</b> <b>A83</b> = Type A Ashcroft; Up to 3" Pipe <b>A84</b> = Type A Ashcroft; 4" and Larger Pipe <b>B83</b> = Type B; Conoflow/Ametek/RJ Global; Up to 3" Pipe <b>B84</b> = Type B; Conoflow/Ametek/RJ Global; 4" and Larger	<b>S</b> = 316L <b>F</b> = 304L <b>C</b> = Carbon Steel <b>J</b> = Titanium <b>X</b> = No Saddle/Lower Housing	<b>S</b> = 316L <b>F</b> = 304L <b>C</b> = Carbon Steel <b>J</b> = Titanium <b>X</b> = No Saddle/Lower Housing	<b>SS</b> = 316L Diaphragm & Body <b>HS</b> = HC-276 Diaphragm /316L Body <b>US</b> = Tantalum Diaphragm / 316L Body <b>2S</b> = Duplex 2205 Diaphragm / 316L Body <b>MM</b> = Monel Diaphragm & Body <b>JJ</b> = Titanium Diaphragm & Body  Wetted

DIAPHRAGM SEALS

BOLTING	GASKET	INSTRUMENT MOUNT	SYSTEM FILL FLUID	OPTIONS
<b>-T</b>	<b>K</b>	<b>RTR</b>	<b>-BH</b>	<b>-PP</b>
<b>-8</b> = Carbon Steel Grade 8, Yellow Chromate <b>-T</b> = Stainless Steel 18/8 <b>-S</b> = Stainless Steel 316	<b>K</b> = Klinger C-4401 <b>T</b> = PTFE <b>G</b> = Grafoil  Wetted	<i>Direct Mount</i> <b>DTD</b> = Direct Mount, Threaded <b>DWD</b> = Direct Mount, Welded <b>RTR</b> = 6" Cooling Tower <b>STW</b> = 3" Cooling Standoff <i>Remote Mount</i> <b>A??</b> = Armored Capillary, Threaded <b>B??</b> = Armored Capillary, Welded <b>P??</b> = PVC Coated Armor, Threaded <b>W??</b> = PVC Coated Armor, Welded  Note: ?? = Length in feet (e.g. 05 = 5 feet)  <i>Tree Mount</i> <b>GVA</b> = Low Volume Goal Post Assembly; Vertical Mount; Gauge/Switch <b>CVA</b> = Compact Tree Assembly; Vertical Mount; Gauge/Switch  See Page 73 for Complete Mounting Guide  <b>YYY</b> = Dry Seal, No Instrument	<i>Common Fills</i> <b>-AS</b> = Silicone DC200 <b>-AG</b> = Glycerin USP <b>-BH</b> = Silicone DC704 <b>-C1</b> = Fomblin Y06 (inert) <b>-C2</b> = Halocarbon 6.3  See Page 76 for Complete Fill Guide  <b>-XX</b> = No Fill Fluid	<b>-PP</b> = Pulse Plus™ (Pulsation Protection) <b>-OX</b> = Cleaned for Oxygen Service <b>-AU</b> = Gold-Plated Diaphragm <b>-TC</b> = Teflon-Coated Diaphragm <b>-TS</b> = SS Tag (1-10 Character) <b>-FW</b> = Fill Port Welded Closed <b>-MR</b> = Mill Test Report <b>-NC</b> = NACE Certification <b>-PM</b> = Positive Material Identification Certification  See Page 121 for Additional Options



See Page 71 for Smart Transmitter Attachment Codes