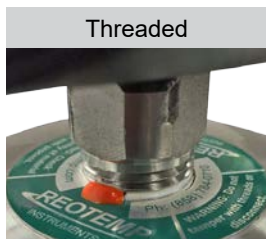


## INSTRUMENT MOUNTING CONFIGURATIONS

### DIRECT MOUNT

Direct Mounting a pressure gauge, switch, or transmitter is the most common diaphragm seal assembly.



Threaded

- Allows Replaceability
- High Quality Thread Sealant
- Inspector Seal



Welded

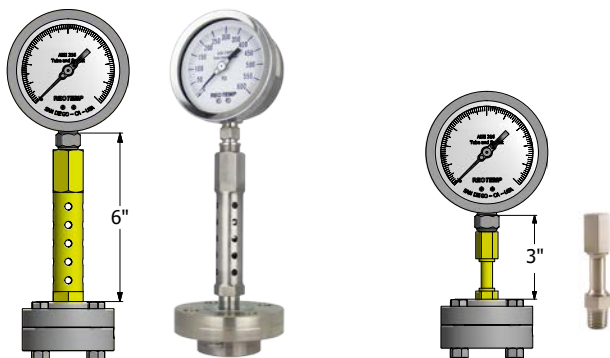
- Tamper Proof
- Rated for High Temps
- Leak Resistant

Code	Description	Max. Temp
<b>-DTD</b>	Threaded Instrument Connection	400°F
<b>-DWD</b>	Welded Instrument Connection	600°F

**Assembly Notes:** Welded connection recommended for pressure exceeding 1,500 psi for purposes of leak prevention.

### COOLING ELEMENTS

Used in either high temp or cold temp applications, Cooling Elements mounted above diaphragm seals quickly normalize fluid temperature toward ambient. This protects the pressure instrument while still maintaining the convenience of a direct mount.



**-RTR**

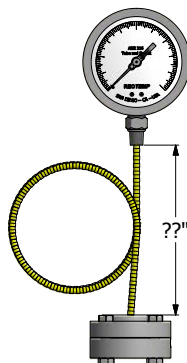
**-STW**

Code	Description	Max. Temp
<b>-RTR</b>	6" Cooling Tower	750°F
<b>-STW</b>	3" Cooling Standoff	600°F

**Assembly Notes:** Cooling elements are welded to diaphragm seal. Instruments are threaded to cooling element unless specified. All lengths are nominal.

### REMOTE MOUNT

Remote Mounting a pressure instrument using flexible capillary is a common mounting method when the point of measurement is in a hazardous or inconvenient location.



PVC Coated SS Flex Armor



SS Flex Armor

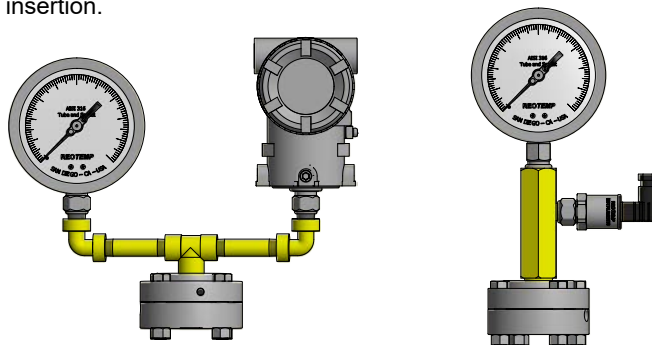
Code	Description	Max. Temp
<b>-P??</b>	PVC Coated SS Armor, Threaded to Seal	400°F
<b>-W??</b>	PVC Coated SS Armor, Welded to Seal	600°F
<b>-A??</b>	SS Flexible Armor, Threaded to Seal	400°F
<b>-B??</b>	SS Flexible Armor, Welded to Seal	750°F

Note: ?? = Length in feet (e.g. 05 = 5 feet)

**Assembly Notes:** Capillary has a 2mm inner diameter unless specified differently by customer. Ambient temp limit of PVC coated armor is 250°F. Standard instrument connection is threaded (Smart Transmitters are welded), unless specified by customer.

### TREE ASSEMBLIES

Tree Assemblies offer the ability to mount two pressure instruments onto one diaphragm seal, allowing the user to gain both a local indication and a remote signal without adding an additional pipe insertion.



**-TRE & -TRX**

**-TRM**

Code	Description	Max. Temp
<b>-TRE</b>	Goal Post, Low Pressure Assembly (Max. 150 psi)	400°F
<b>-TRX</b>	Goal Post, Heavy Duty (Max. 3,000 psi)	600°F
<b>-TRM</b>	Compact Tree Assembly (Max. 3,000 psi)	600°F

**Assembly Notes:** Threaded joints are fully welded for consistent instrument orientation. Instrument connections are threaded unless specified by customer. Diaphragm seal must displace enough fluid to drive both instruments.