DIAPHRAGM SEALS

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

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.

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.

- Threaded Instrument Connection
  - Code: -DTD
  - Description: Max. Temp: 400°F

- Welded Instrument Connection
  - Code: -DWD
  - Description: Max. Temp: 600°F

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

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.

- 6" Cooling Tower
  - Code: -RTR
  - Description: Max. Temp: 750°F

- 3" Cooling Standoff
  - Code: -STW
  - Description: Max. Temp: 600°F

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

- Goal Post, Low Pressure Assembly (Max. 150 psi)
  - Code: -TRE
  - Description: Max. Temp: 400°F

- Goal Post, Heavy Duty (Max. 3,000 psi)
  - Code: -TRX
  - Description: Max. Temp: 600°F

- Compact Tree Assembly (Max. 3,000 psi)
  - Code: -TRM
  - Description: Max. Temp: 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.