

# Diaphragm Seals



## TYPE 25/25H

- Designed to isolate the pressure measuring instrument from corrosive or viscous process media
- Utilize an all welded, all metallic housing design to eliminate potential leak paths
- Maximum pressure rating is 2,500 psi
- For use with gauges with dial sizes of 2-1/2 inches and smaller, and pressure ranges no less than 100 psig
- Housing and diaphragm offered in a variety of materials to suit most applications
- A flushing port is available to clean wetted areas and prevent process media build up
- Consider gauge size, pressure range, media composition, ambient and operating temperature, and maximum working pressure when selecting
- For process temperatures over 212° F a capillary or cooling element is recommended, contact factory to order
- Fill fluid must be compatible with process media; i.e. Glycerine may become volatile in conjunction with a strong oxidizing agent such as chlorine, forms of oxygen or peroxide and nitric acids

### PRODUCT SPECIFICATIONS

<b>Suitable Pressure Gauge Sizes</b>	2-1/2 Inch Will also operate with most transducers, transmitters and pressure switches
<b>Minimum Working Pressure</b>	<b>25:</b> 0 psig to 100 psig through 0 psig to 2,500 psig <b>25H:</b> 0 psig to 100 psig through 0 psig to 5,000 psig
<b>Maximum Working Pressure</b>	<b>25:</b> 2,500 psig @ 100 °F <b>25H:</b> 5,000 psig @ 100 °F
<b>Operating Temperature</b>	Refer to fill fluid expansion factors table below

Fill Fluid Temperature Table

Fill Fluid	Temperature Range (°F)
Glycerine*	30 - 300
Silicone 200-10	-35 - 450
Silicone 704	30 - 520
Silicone 710	30 - 650
Silicone 550	-40 - 600
Silicone 510	-60 - 400
Fluorolube FS-5	-40 - 500
Silicone 200-350	0 - 300
Halocarbon Oil 6.3	-40 - 400
Ethylene Glycol	-30 - 300
Propylene Glycol	-50 - 200
Syltherm 800	-40 - 450
Mineral Oil	Note 1
Neobee M-20	-40 - 320

\*Not recommended for use on vacuum applications  
Note 1. To be advised

