

Low Volume Nipple

Code	Description	Model Number Example: LVN-SLBN2
LVN	Low Volume Nipple	
Code	Material	
SL	316L SS	
Code	Thread Size	
A	1/4" x 1/4" NPT	
B	1/2" x 1/2" NPT	
C	1/4" x 1/2" NPT	
Code	Nipple Length	
N2	2" Long	
N4	4" Long	
N6	6" Long	
Model Number Example: LVN-SLBN2		

Capillary

Code	Description	Model Number Example: CAP-SS2F1M-10
CAP	Capillary	
Code	Capillary Type	
SS	Stainless Steel Armored	
WP	White PVC Coated Stainless Steel Armored	
Code	Instrument Side Connection	
1F	1/4" NPT Female Threaded Capillary Connection to Measuring Instrument	
2F	1/2" NPT Female Threaded Capillary Connection to Measuring Instrument	
1M	1/4" NPT Male Threaded Capillary Connection to Measuring Instrument	
2M	1/2" NPT Male Threaded Capillary Connection to Measuring Instrument	
Code	Seal Side Connection	
1F	1/4" NPT Female Threaded Capillary Connection to Diaphragm Seal	
2F	1/2" NPT Female Threaded Capillary Connection to Diaphragm Seal	
1M	1/4" NPT Male Threaded Capillary Connection to Diaphragm Seal	
2M	1/2" NPT Male Threaded Capillary Connection to Diaphragm Seal	
Code	Capillary Length	
XX	No Capillary	
05	5 Feet	
10	10 Feet	
15	15 Feet	
20	20 Feet	
25	25 Feet	
30	30 Feet	
XX	Specify Custom Length in Feet following the 2 digit format	
Model Number Example: CAP-SS2F1M-10		

Improved response time and performance for low ambient temperature applications.

Reduce ambient temperature effect and induced temperature errors.

Use longer capillary lengths without impeding system performance.

Simplify engineering and design efforts at a fraction of the cost of field installations.

Threaded Offline Seal with Heat Trace



When was the last time your choice of diaphragm seal manufacturer meant dramatic cost savings and simplified installation of your most difficult diaphragm seal field applications? RJ Global offers innovative pre-engineered heat traced solutions for the most difficult applications. We understand the issues surrounding diaphragm seal performance with regards to ambient temperature effects and induced temperature errors. Temperature induced errors are the primary cause of inaccurate pressure measurements in diaphragm seal systems. The key to superior performance is to dramatically limit these temperature effects on the system. Our factory installed heat trace is the most cost effective option available to ensuring system performance.

Dramatic Cost Savings and Performance Improvements.

Simple Solutions!

Most engineers understand how important it is to heat trace diaphragm seal installations when response time is critical. Heat tracing can provide dramatic response time improvements even at ambient temperatures. The following example illustrates how important heat tracing can be in a typical application.

A differential pressure transmitter with two 3" 150# diaphragm seals using 40' capillary lengths is being used to measure the process fluid level of a large tank located in an outdoor area. The diaphragm seal system utilizes a standard Silicone DC704 fill fluid. The system response time for a non-heat traced system is 25 seconds at 70°F ambient temperature. The response time becomes an amazing 150 seconds at 32°F. A heat traced system maintaining 200°F fill fluid temperatures responds in 15 seconds - regardless of ambient temperature.

The sun comes up every morning - don't let it effect your system accuracy!

Call RJ Global for assistance on all Heat Trace Applications.