



# Diaphragm Seals

## Capillary Systems for Diaphragm Seals

### DESCRIPTION

AMETEK offers a number of methods for mounting your diaphragm seal to various forms of instrumentation including gauges, controllers, transducers, transmitters, smart transmitters, recorders, recording controllers, and indicators.

#### Direct Mounting Application

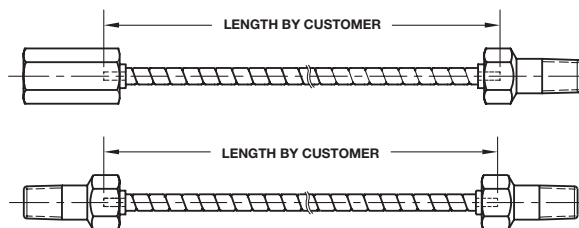
AMETEK supplies low volume connecting nipples for direct mount applications. These nipples are available with 1/4 and 1/2 NPT end connections (other types available) and in 2" or 4" lengths (50.8 - 101.6 mm). Nipples are manufactured of 300 stainless steel.

#### Remote Mounting Application

AMETEK can supply capillary systems for remotely mounting your diaphragm seal. Manufactured of 300 series stainless steel, these systems feature an all TIG welded construction. Maximum pressure ratings up to 10,000 psig (690 bar) are available (for higher ratings contact AMETEK).

### Armored Tubing Assembly

(Minimum Bend Radius = 1-1/4-inch inside)



### Capillary System Pricing

You must specify the complete capillary system order number as a separate line item with your diaphragm seal order number. If your diaphragm seal order number has the character "C" in the 14th character space, you must specify the capillary system required using the price sheet. Your purchase order should contain a line item for the diaphragm seal and a line item for your capillary system.

### ORDERING INFORMATION

INSTRUMENT CONNECTION _____	C
C = Capillary System	
TUBING MATERIAL AND CONSTRUCTION _____	304
304 = 304 Stainless steel, armored	
316 = 316 Stainless steel, armored	
P04 = 304 Stainless steel, armored, PVC coated	
P16 = 316 Stainless steel, armored, PVC coated	
INSTRUMENT CONNECTION - TYPE _____	F
M = Male	
F = Female	
INSTRUMENT CONNECTION - SIZE _____	4
4 = .25-inch, 304 stainless steel	
2 = .5-inch, 304 stainless steel	
DIAPHRAGM SEAL CONNECTION - TYPE _____	M
M = Male	
DIAPHRAGM SEAL CONNECTION - SIZE _____	2
4 = .25-inch, 304 stainless steel	
2 = .5-inch, 304 stainless steel	
CAPILLARY LENGTH _____	015
005 = 5 ft. length	
010 = 10 ft. length	
015 = 15 ft. length	
00Z = User specified (special order)	

### Sample Order Number: C-304-F-4-M-2-015

Capillary system, 304 stainless steel (armored), .25" female instrument connection, .50" male diaphragm seal connection, 15' long

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