

ACCESSORIES

ITT Conoflow offers various methods for mounting diaphragm seals to instruments and gauges.

For direct mount applications, low volume connecting nipples are provided. These nipples are offered in 1/4" (6.35mm) or 1/2" (12.70mm) NPTF end connections (other combinations available) and in 2" (50.80mm) or 4" (101.60mm) lengths. These nipples are manufactured of 300 Series Stainless Steel. Refer to Table I.

For remote mount applications, capillary lines in any specified length are offered. (See Note 6.) Manufactured of 300 Series Stainless Steel, these capillaries feature an all tig welded construction. Maximum pressure rating for the capillary lines offered is 10000 PSIG (69.00 MPa).

CAPILLARY WITH END FITTING:

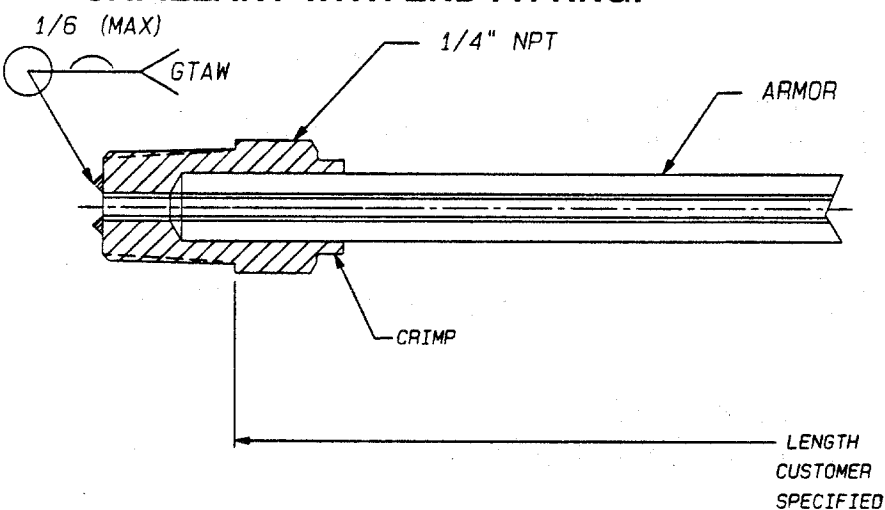


Table I (See Note 1)

Advertising Drawing (Capillary)

End Connections	Material	Capillary O.D.	Wall
1/4" Male NPTF	PVC Armor	3/32"	.028"
1/2" Male NPTF	300 Series Armor	1/8"	.025"
1/4" Female NPTF	Unarmored	1/8"	.035"
1/2" Female NPTF		1/8"	.049"
1/4" Aminco		3/16"	.025"
		1/4"	.12"

Notes:

- For metric (mm) equivalent multiply dimensional equal by 25.4.
- To order nipple as component part, refer to page 82.

CONTROL ENGINEERING DATA

A 1 0105 A A N N

CATALOG NUMBERS AS RECEIVED FOR MOUNTING / FILL / CALIBRATION MUST CONTAIN TEN (10) CHARACTERS.

(10) CALIBRATION (TYPE OF INSTRUMENT - SEE NOTE 5)

- N = Not applicable (No fill)
- 1 = A/P Transmitter - Controller
- 2 = D/P Transmitter - Controller
- 3 = G/P Transmitter - Controller
- 4 = A/P Gauge - Switch
- 5 = D/P Gauge - Switch
- 6 = D/P Transmitter - Controller with compound range
- 7 = G/P Gauge - Switch with compound range
- 8 = Gauge - Switch

(9) FILL LIQUID AND TEMPERATURE LIMIT (SEE NOTES 3 AND 4)

- N = Not applicable (No fill)
- P = Pure Glycerine (Food Grade)
- S = Silicone D.C. 200-10
- 1 = Silicone D.C. 704
- 2 = Silicone D.C. 710
- 3 = Silicone D.C. 550
- 4 = Silicone D.C. 510
- D = Silicone D.C. 200-350CC
- F = Fluorolube FS-5 (See Note 1)
- H = Halocarbon 6.3 (See Note 1)
- E = Ethylene Glycol (Anti-Freeze)
- B = Propylene Glycol (Pharmaceutical - USP)
- Y = Syltherm 800
- A = Neobee M-20
- M = Mineral Oil
- X = Fill Fluid (Specified by the customer - See Note 2)

(8) CAPILLARY O.D. AND WALL THICKNESS

- A = 1/8" (3.17mm) O.D. x 0.025" (0.635mm) Wall
- B = 1/8" (3.17mm) O.D. x 0.035" (0.889mm) Wall
- D = 1/8" (3.17mm) O.D. x 0.049" (1.244mm) Wall
- E = 3/32" (2.38mm) O.D. x 0.028" (0.711mm) Wall
- N = Not applicable (If lines are supplied by the customer, direct mounted or if nipple is used).

(7) MATERIAL OF CONSTRUCTION

- A = 300 Series Stainless Steel with Stainless Steel Armor
- U = 300 Series Stainless Steel - Unarmored
- N = Nipple - 316 Stainless Steel
- 0 = Not Applicable (Direct Mount)
- P = 300 Series Stainless Steel with PVC Armor

(3-6) CONNECTION LINES (SEE NOTES 1, 2 and 6)

(MAXIMUM PRESSURE RATING 10000 PSIG (69.00 MPa) @ 100°F (38°C))

- 0105 = 1 to 5 Feet
- 0610 = 6 to 10 Feet
- 1115 = 11 to 15 Feet
- 1620 = 16 to 20 Feet
- 2125 = 21 to 25 Feet
- 2630 = 26 to 30 Feet
- 3135 = 31 to 35 Feet
- 3640 = 36 to 40 Feet
- 4145 = 41 to 45 Feet
- 4650 = 45 to 50 Feet
- 5155 = 51 to 55 Feet
- 5660 = 56 to 60 Feet
- 6165 = 61 to 65 Feet
- 6670 = 66 to 70 Feet
- 7175 = 71 to 75 Feet
- 000A = 2" Nipple (Applicable to nipple only - See Note 3)
- 000B = 4" Nipple (Applicable to nipple only - See Note 3)
- 0000 = Not applicable (Direct Mount)

(2) PRESSURE INSTRUMENT CONNECTION

- 1 = 1/4" NPTF Male
- 2 = 1/2" NPTF Male
- 3 = 1/8" NPTF Male
- 4 = 1/4" Aminco
- 5 = 1/2" NPTF Female
- 6 = 1/4" NPTF Female
- N = Not applicable (Direct Mount)

(1) DIAPHRAGM SEAL INSTRUMENT CONNECTION

- A = 1/4" NPTF Male
- S = 1/2" NPTF Male
- E = 1/4" Aminco
- F = 1/8" NPTF Male
- N = None (Direct Mount)

Notes:

- Customer to specify exact capillary length when ordering. Otherwise maximum length is assumed.
- For capillary lengths over 75 feet, consult the factory.
- Not to be used in contact with aluminum or magnesium.
- Other fill fluids available, consult the factory.
- Customer must specify exact calibration data. Otherwise functional performance only is verified.
- Temperature induced error effects should be investigated and evaluated against instrument application.