

Threaded Connections Female (8Bolt Seals)

Type TC

Application

Primarily used in chemical and petrol-chemical processes, and particularly useful when small connection sizes are required for measuring pressure, level and flow.

Configuration

Differential or Gauge pressure. In all cases a Low Volume cover flange must be fitted to all D.P type transmitters to reduce fill quantities and therefore reduce errors induced by ambient temperature change. Gauge pressure transmitters require a G-1/2" process connection.

Process Connection and Sizes

1/2", 3/4", & 1" NPT

1/2", 3/4", & 1" BSPT

For larger sizes contact our sales office

Seal Construction

Machined from Forged Bar.

Diaphragm in Upper housing.

The Upper and Lower chamber are bolted together with 8, 304 Stainless Steel bolts and sealed with a Viton O-ring.

Wetted Materials

316/316L Dual Certified Stainless Steel (standard)

Other materials available upon request.

Capillary

Available in 1 to 10 metre lengths. Capillaries must be of matching lengths for differential systems.

Capillary Armour

PVC coated 304 Stainless Steel (standard)

For processes with temperatures over 100°C spiral wound 304 Stainless Steel.

Zero Stability

Stability will be affected by the instrument configuration, ambient temperature, process temperature, connection size (diaphragm size) and the measuring range. For temperature effects and instrument accuracy please contact us.

Dimensional Drawings & System Configuration

Refer to Dimensional Drawings.



General Specifications



How to Order - Type TC

Model Type

TC = Threaded Connection

Connection Type

NF = NPT Female
TF = BSPT Female
XX = Special

Connection Size

04 = ½"
06 = ¾"
08 = 1"
XX = Special

Diaphragm Material

S = 316L Stainless Steel
A = 304 Stainless Steel
H = Hastelloy C-276
M = Monel 400 **Note: Must have same wetted parts**
I = Titanium **Note: Must have same wetted parts**
T = Tantalum
F = PFA (316 Stainless Steel Coated)
G = Gold Plated Stainless Steel & PGA Coated
N = Nickel 200
U = Duplex 2205
X = Special

Wetted Parts

S = 316/316L Dual Certified Stainless Steel
A = 304 Stainless Steel
H = Hastelloy C-276
M = Monel 400 **Note: Must have same Diaphragm**
I = Titanium **Note: Must have same Diaphragm**
P = PVDF
F = PFA (316L Stainless Steel Coated)
U = Duplex 2205
X = Special

Flushing Ports

0 = None
1 = 1 X ¼" NPT = 2 ports supplied with 1 plug
2 = 2 X ¼" NPT ports
3 = 1 X ½" NPT 2 ports supplied with 1 plug
4 = 2 X ½" NPT port

System Configuration

G = Gauge Pressure System with G-1/2" Connection Direct Mounted TX
S = Gauge Pressure System with G-1/2" Connection Capillary mounted TX
M = Gauge Pressure System with DP Type TX Direct Mounted
P = Gauge pressure System with DP Type TX Capillary Mounted
D = Differential Pressure System with Capillary

Capillary / Standoff

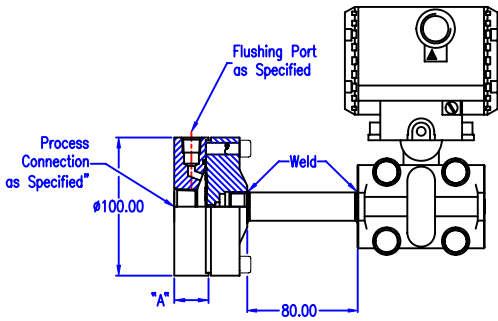
AA = Standoff (System Configuration "M") / Heat Neck (System Configuration "G")
00 = None **Note: Only available with System Configuration "G"**
01 = 1 Metre
02 = 2 Metres
03 = 3 Metres
04 = 4 Metres
05 = 5 Metres
06 = 6 Metres
07 = 7 Metres
08 = 8 Metres
09 = 9 Metres
10 = 10 Metres

Fill Liquid

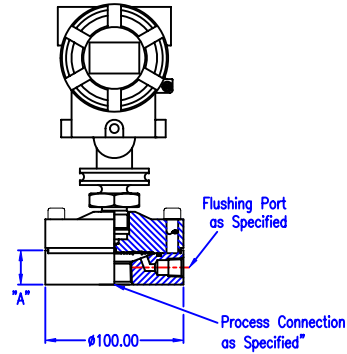
A = 704 Silicon Oil (20°C to 250°C)
B = Silicon Oil 100cs (-30°C to 180°C)
C = KN2.2 Silicon Oil (-40°C to 300°C)
D = Fluorolube (-20°C to 120°C)
E = Ethylene Glycol (-50°C to 100°C)
V = Vegetable Oil (10°C to 100°C)
L = KN17 Silicon Oil (-90°C to 180°C)
X = Special



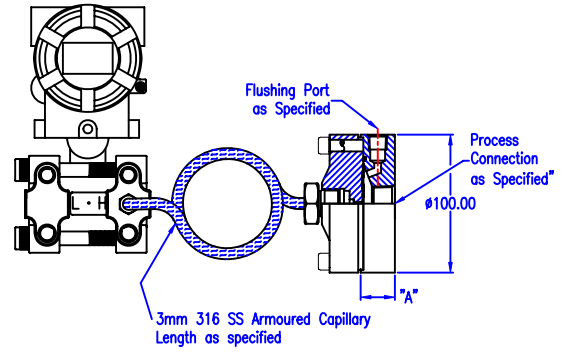
Model TC
Threaded Connections Female (8 Bolt)



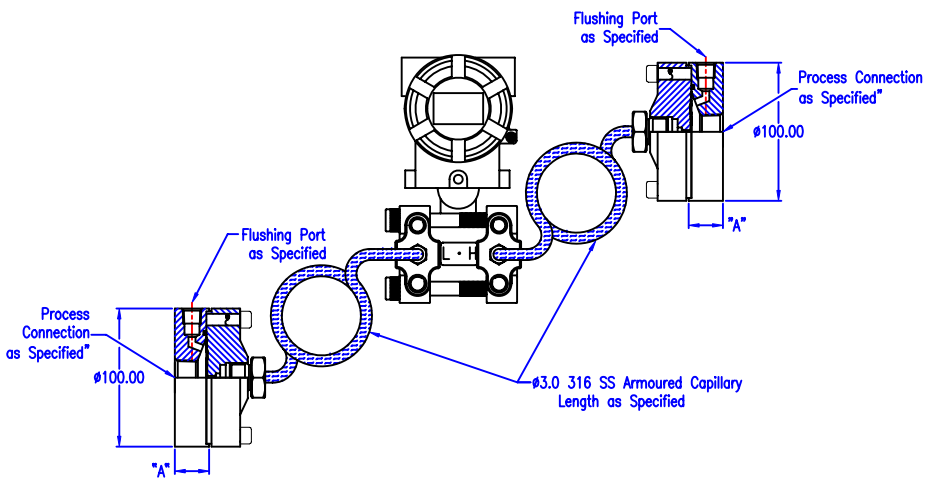
Configuration "M"



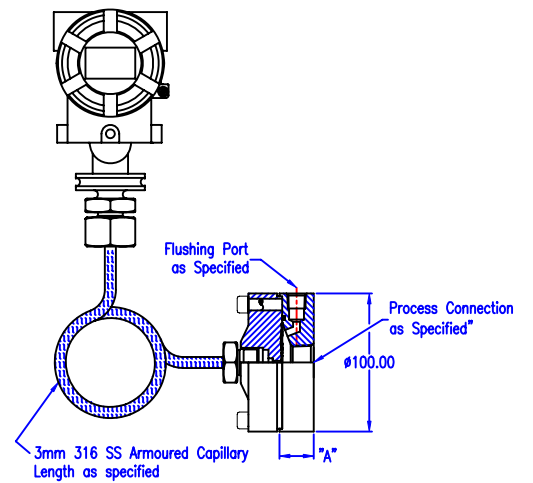
Configuration "G"



Configuration "P"



Configuration "D"



Configuration "S"

Flushing Port Size	"A"
1/4" NPT	25.0
1/2" NPT	30.0
3/4" NPT	35.0