

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

316L Stainless Steel (standard)

304 Stainless Steel

Hastelloy C-276

Monel 400

Titanium

PVDF

PFA (316L Stainless Steel Coated)

Duplex 2205

For other wetted materials contact our sales office.

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.



How to Order - Type TC

Transmitter Manufacturer

Y = Yokogawa

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

D = Double Gold Plated Stainless Steel & PFA Coated

N = Nickel 200

U = Duplex 2205

X = Special

Wetted Parts

S = 316L 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 Grade Silicon Oil (20°C to 250°C)

B = Silicon Oil 100cs (-30°C to 180°C)

C = 705 Grade Silicon Oil (10°C to 300°C)

D = Fluorolube (-20°C to 120°C)

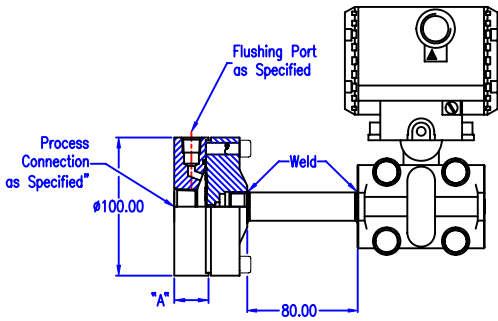
E = Ethylene Glycol (-50°C to 100°C)

V = Vegetable Oil (10°C to 100°C)

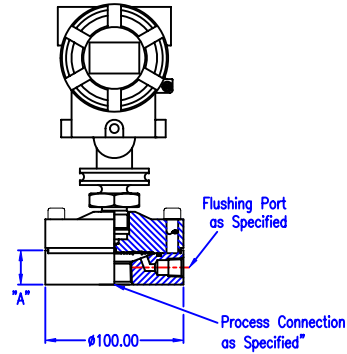
X = Special



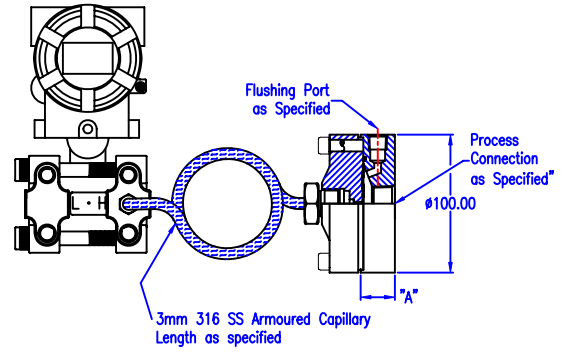
Model TC
Threaded Connections Female (8 Bolt)



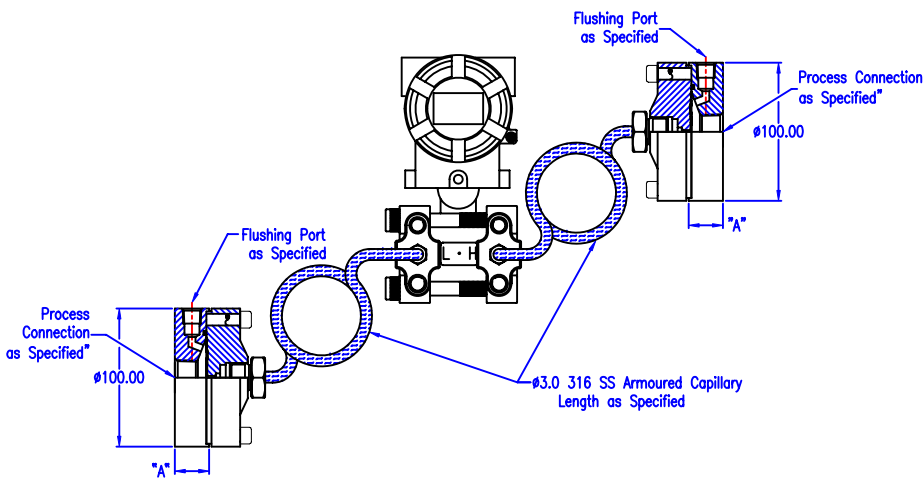
Configuration "M"



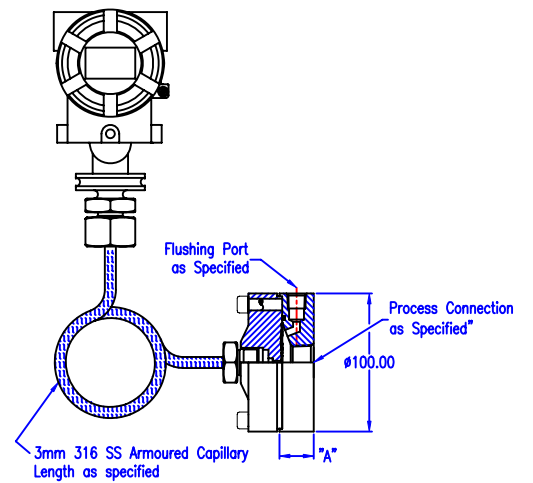
Configuration "G"



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