

Threaded Connections Male (Plug Seals)

Type PC

Application

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

Configuration

Gauge pressure only. 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 1/2" & 2" NPT

1 1/2" & 2" BSPT

For other sizes contact our sales office.

Seal Construction

Machined from bar stock.

Diaphragm welded directly into the seal body.

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)

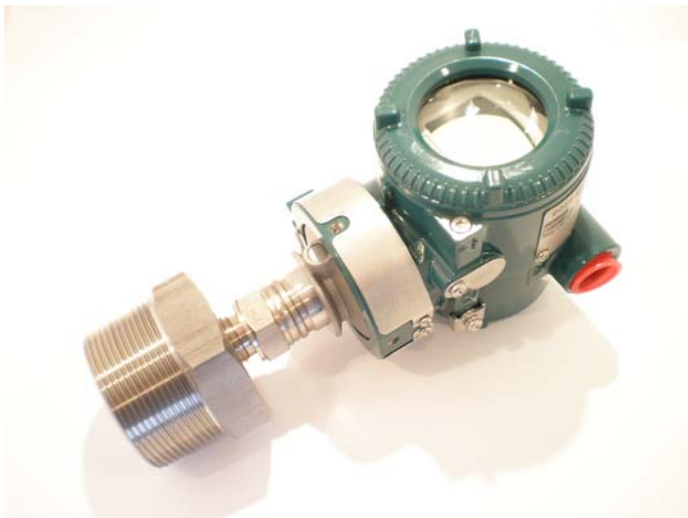
For processes with temperatures over 100°C spiral wound 304 Stainless Steel.

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 PC

Model Type

PC = Threaded Connection

Connection Type

TM = BSPT Male

NM = NPT Male

XX = Special

Connection Size

12 = 1 1/2"

16 = 2"

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**

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 = 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**

F = PFA (316L Stainless Steel Coated)

U = Duplex 2205

X = Special

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 **Note: Not Recommended**

M = Gauge Pressure System with DP Type TX Direct Mounted

P = Gauge pressure System with DP Type TX Capillary Mounted **Note: Not Recommended**

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)

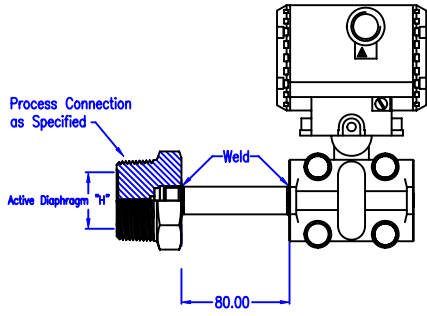
V = Vegetable Oil (10°C to 100°C)

L = KN17 Silicon Oil (-90°C to 180°C)

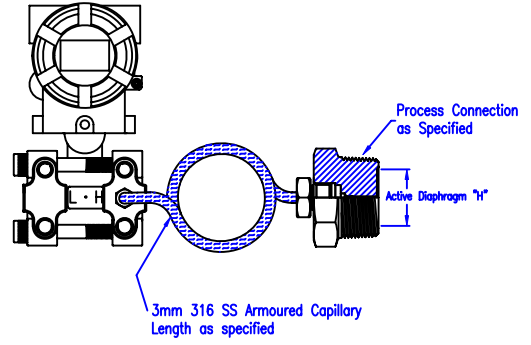
X = Special



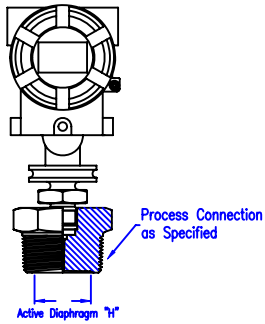
Model PC
Threaded Connections Male (Plug Seal)



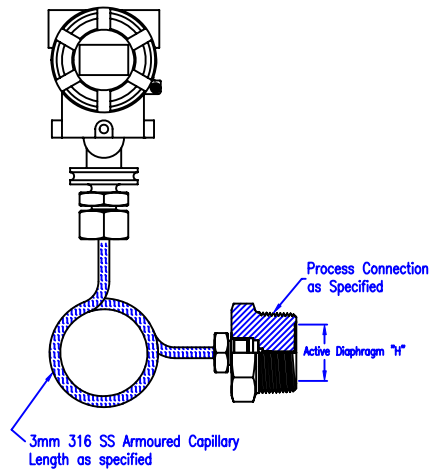
Configuration "M"



Configuration "D"



Configuration "G"



Configuration "S"

Process Connection	"H"
1-1/2"	40.0
2"	52.0