

General Specifications

Threaded Connections Female (8Bolt Seals)

Specification Type TC

Application

Primarily used in Petroleum-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 DP type transmitter configurations to reduce fill liquid quantities and therefore reduce errors induced by ambient temperature change. Gauge pressure transmitters require a G1/2" 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.

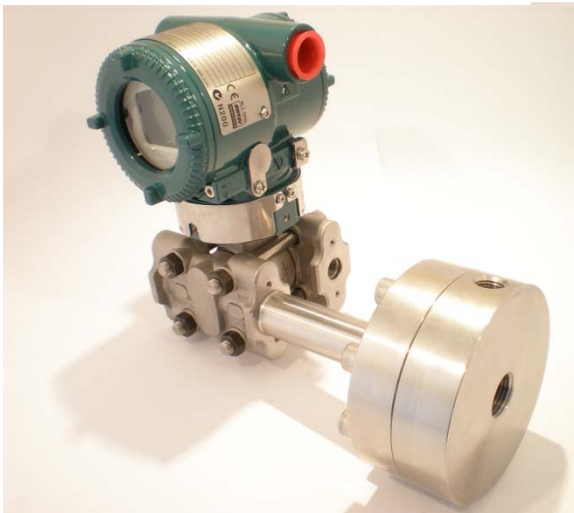
Zero Stability

Stability will be affected by the instrument configuration, ambient temperature, process temperature, connection size (diaphragm size) and the measuring range.

Please contact to discuss temperature effects and instrument accuracy.

Dimensional Drawings & System Configuration

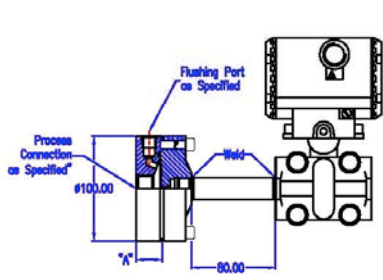
Refer to Dimensional Drawings.



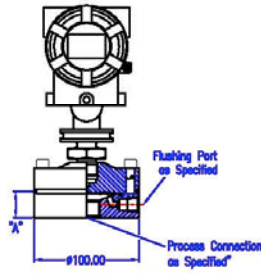
General Specifications

Threaded Connections Female (8 Bolt) – Type TS		Suffix Code
Process Connection	Threaded Connection	TC
Connection Type	NPT Female	NF
	BSPT (ISO 7) Female	TF
	Special	XX
Connection Size	DN15 (1/2")	04
	DN20 (3/4")	06
	DN25 (1")	08
	Special	XX
Diaphragm Material	316/316L Stainless Steel	S
	304/304L Stainless Steel	A
	Hastelloy C-276 (MUST have the same Wetted parts)	H
	Monel 400 (MUST have the same Wetted parts)	M
	Titanium Grade 2 (MUST have the same Wetted parts)	I
	Tantalum	T
	PFA (316/316L Stainless Steel coated)	F
	Gold Plated 316/316L Stainless Steel	G
	Duplex 2205	U
	Special	X
Wetted Parts	316/316L Stainless Steel	S
	304/304L Stainless Steel	A
	Hastelloy C-276 (MUST have the same Diaphragm Material)	H
	Monel 400 (MUST have the same Diaphragm Material)	M
	Titanium Grade 2 (MUST have the same Diaphragm Material)	I
	PVDF	P
	Duplex 2205	U
	PFA (316/316L Stainless Steel coated)	F
	Special	X
Flushing Ports LP & HP sides	None	0
	1 x 1/4" NPT= 2 Ports supplied with 1 Plug	1
	2 x 1/4" NPT Ports	2
	1 x 1/2" NPT = 2 Ports supplied with 1 Plug	3
	2 x 1/2" NPT Ports	4
System Configuration	Gauge Pressure System with G-1/2" Connection Direct Mounted TX	G
	Gauge Pressure System with G-1/2" Connection Capillary mounted TX	S
	Gauge Pressure System with DP Type TX Direct Mounted	M
	Gauge pressure System with DP Type TX Capillary Mounted	P
	Differential Pressure System with Capillary	D
Capillary / Standoff	Standoff (System Configuration "M") / Heat Neck (System Configuration "G")	AA
	None Note: Only available with System Configuration "G"	00
	1 Metre	01
	2 Metres	02
	3 Metres	03
	4 Metres	04
	5 Metres	05
	6 Metres	06
	7 Metres	07
	8 Metres	08
	9 Metres	09
10 Metres	10	
Fill Liquid	KN32 704 Silicon Oil 30cs (-10°C to +300°C)	A
	KN22 Silicon Oil 100cs (-40°C to +290°C)	B
	KN33 705 Silicon Oil 320cs (-10°C to +400°C)	C
	KN21 Fluorolube 7cs (-20°C to +120°C)	D
	KN55 Ethylene Glycol (-13°C to +196°C)	E
	KN17 Silicon Oil 2cs (-90°C to +80°C for less than 1Bar. -90°C to +180°C for greater than 1Bar)	L
	Special	X

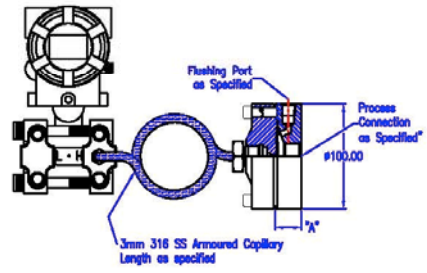
Model TC
Threaded Connections Female (8 Bolt)



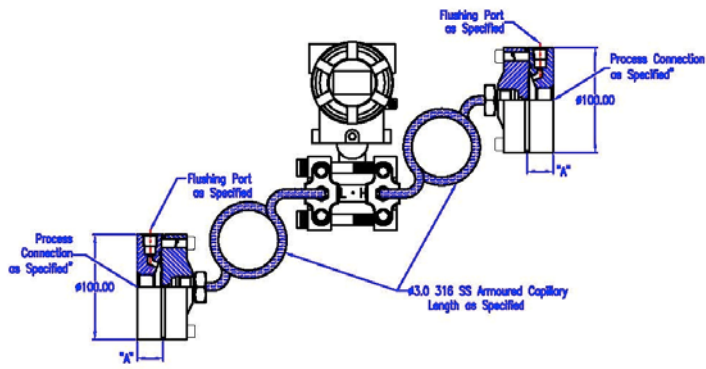
Configuration "M"



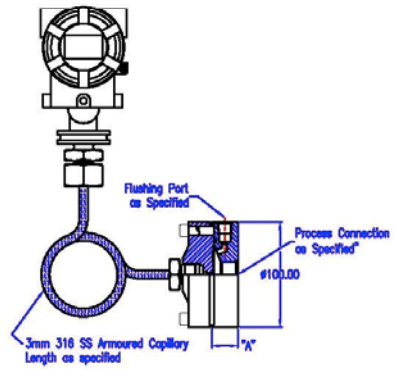
Configuration "G"



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