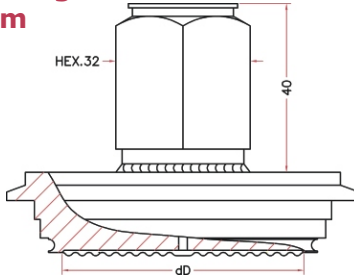




HYGEIA VARIVENT

PCI's Hygeia range of hygienic or sanitary diaphragm seal systems are manufactured to the highest possible standard for use in all food process, pharmaceutical and chemical applications. 3-A approved and with in-house laser-welded diaphragms, they can be fitted to any pressure transmitter, switch or gauge.

Varivent® diaphragm seal system



A high quality Tuchenhagen VARIVENT® hygienic diaphragm seal for use with either a pressure transmitter, gauge or switch.



Process Connection Flanged	Pipe Size	1½" ... 3"	4"
		DN40 ... 80	DN100
Max. Process Pressure at 20 °C (bar)		25	20
Min. Span for GP & AP (mbar)		600	600
Min. Span for DP (mbar)		100	100
Min. Pressure Range for PI (bar)		0.6	0.6
Max. Capillary Length (metres)		15	15
Min./Max. Process Temperature (°C)		-30 to +180	-30 to +180



	STANDARD	OPTIONS
Diaphragm Materials	AISI-316 L	Tantalum, Rhodium, Nickel, MONEL, Hastelloy, Gold-plated, PTFE, PDFA-coated
Construction	full welded construction	
Transmission Fill	TO - 05	TO - 01, TO - 02, TO - 03, TO - 11, TO - 17, TO - 23, TO - 31, TO - 41, TO - 47
Instrument Connection	capillary tubing (top entry)	1/2" BSP female
Capillary	AISI-316 seamless	stainless steel armour

Instrument Limitations

Tuchenhagen	Minimum Span (mbar)			Pressure Gauge Minimum Range (bar)		
	Transmitter Type			Gauge Diameter (mm)		
	GP	AP	DP	ø 63	ø 100	ø 160
Diaphragm Diameter (mm)	600	600	100	0.6	0.6	0.6
59						

Effects of temperature on pressure readings per ±10 °C (in mbar) ~ measured from 20°C

Tuchenhagen		Transmitters					Gauges					
Connection Size	Diaphragm Diameter (mm)	GP	AP	DP	Seal	Capillary per metre	Pressure (bar)	Gauge Diameter			Seal	Capillary per metre
								ø 63	ø 100	ø 160		
Standard	59	1.85	1.85		2.65	3.9	< 25	3.5	15	20	2.7	5
Standard	59			0.05	0.66	0.63						

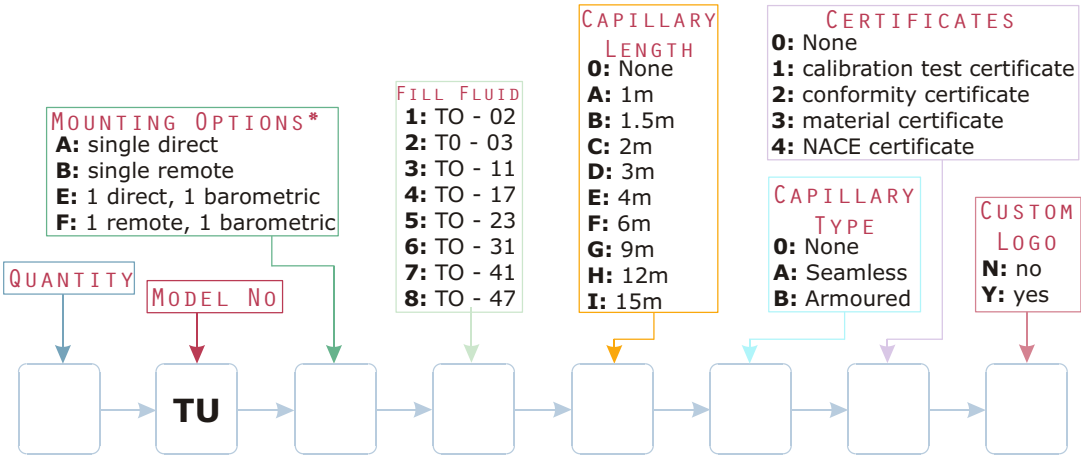
DP = differential pressure GP = gauge pressure AP = absolute pressure



ORDERING MATRIX

Locate the order code for your specification and enter it into the appropriate box. See the Diaphragm Seals introduction for more information about each component.

* For mounting options C & D, please use the universal Differential Pressure ordering matrix



Can be fitted to **PG TR PS**

Select the instrument you want to have connected to this seal and write in the complete order number in the empty matrix above. Together with the seal order number this completes the specifications for your instrument.