

PTA 103D-Chemical Diaphragm Seal



Sanitary Diaphragm



Teflon Diaphragm



2Remote Diaphragm



JIS 10K 50A Tantalum

APPLICABILITY

- Chemical, petro chemical, food and drug process control
- Chemical level measurement
- Oil and off-shore industry
- Regulation system of transmission line LPG and LNG

APPLY CHEMICALS

- HCl, HF, NH4, SO4, NaOH, H2SO4, HNO3 Etc.

APPLY THE MATERIAL

- SUS316, Nickel, Tantalum, Teflon, Neoprene Etc

Flush Flange Seal



STANDARD FEATURES	OPTIONAL EXTRAS
Flush Diaphragm Cell	
CONNECTION	
Instrument side RC 1/4" Female	Capillary Length : 3m, 5m, 10m
Process side 80A (3")	JIS 규격 Size
Sealing Face Raised Face	
MATERIALS	
Flange Stainless steel STS 304	STS316L, Hastelloy C Titanium
Diaphragm Material Stainless steel STS 316L	Teflon Coated Metal, Gold Plated Metal, Hastelloy C, Inconel 600 Tantalum, Nickel, Titanium
FILL Fluid DC 200 silicon oil (SG 0.94 at 25 °C)	DC704, DC705, Syltherm XLT, Halocarbon, Neobee M-20, Propylene Glycol.
PERMISSIBLE TEMPERATURE Operating temperature -40 ~ +200°C	Min. -75°C, Max 380°C

Diaphragm Screw Seal



STANDARD FEATURES	OPTIONAL EXTRAS
DSS Diaphragm Cell	
CONNECTION	
Instrument side RC 1/4" Female	Capillary Length : 3m, 5m, 10m
Process side RC 1/2" Male	PT 3/4", PT 1" or Female
MATERIALS	
Body Stainless steel STS 316	Stainless steel 304, 316L, Hastelloy C, Titanium
Diaphragm Material Stainless steel STS 316L	Teflon Coated Metal, Gold Plated Metal, Hastelloy C, Inconel 600 Tantalum, Nickel, Titanium
FILL FLUID DC 200 silicon oil (SG 0.94 at 25 °C)	DC704, DC705, Syltherm XLT, Halocarbon, Neobee M-20, Propylene Glycol.
PERMISSIBLE TEMPERATURE Operating temperature -40 ~ + 200°C	Min. -75°C, Max 380°C

Threaded Flush Diaphragm Seal



STANDARD FEATURES	OPTIONAL EXTRAS
CONNECTION FEATURES	
Instrument side PF 3/8" Female	With cooling element(For stem mounted instrument with fluid temperature exceeding 100°C), 1m capillary extension, welded to chemical seal body.
Process side PT 1/2" Flush male	3/4", 1", 1 1/2", 2"
FILL FLUID Propylene Glycol (SG 1.02 at 25 °C)	Other filling liquids compatible with process fluid
PERMISSIBLE TEMPERATURE Operating temperature -15 ~ +90°C	Min. -20°C, Max 200°C

Sanitary Clamped Diaphragm Seal



STANDARD FEATURES	OPTIONAL EXTRAS
CONNECTION	
Instrument side PF 3/8"	With cooling element(For stem mounted instrument with fluid temperature exceeding 100°C), 1m capillary extension, welded to chemical seal body.
Process side 50A	25A, 40A, 80A, 100A
FILL FLUID Neobee M-20	Other filling liquids compatible with process fluid
PERMISSIBLE TEMPERATURE Operating temperature -15 ~ +90°C	Min. -20°C, Max 150°C

