THREAD TYPE DIAPHRAGM SEAL

DT110

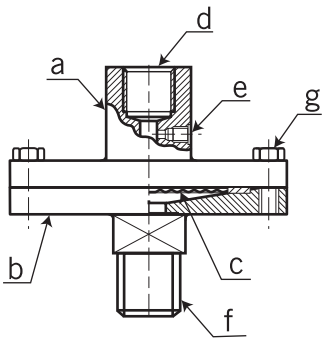
DT110 diaphragm seal is designed to be used in highly viscous process media such as pulp, paper, waste water treatment, and plastic/chemical process industries. DT110 is easy to assemble with pressure gauges, pressure switches, and pressure instruments.

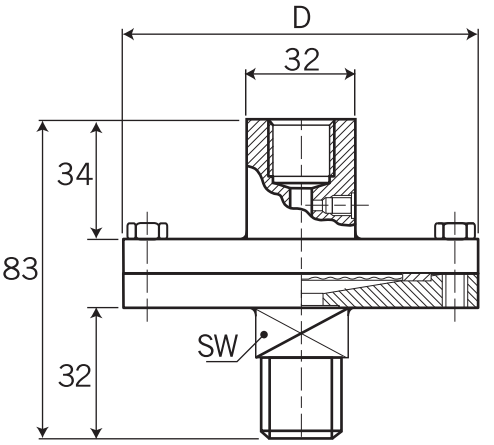
Technical Data

Instrument connection: female thread ¼" to ½" BSP or NPT
Membrane size: Ø55, Ø75 for pressure gauge;
and Ø95 for Differential pressure gauge
Process connection: ¼" to ½" Thread BSP or NPT
Temperature limited: -40~+150℃ cooling element or capillary line up to 350℃
Pressure range limited:
Maximum up to 40 kg/cm²
Minimum: -760 mmHg~0, 0~4 kg/cm² (Ø75 Membrane)
0~6 kg/cm² (Ø55 Membrane)
Material: Upper & Lower housing- SS316 (standard), others on request
Membrane: SS316L (standard); Options– Hastelloy C276, tantalum, and others on request.

Dimensions

Item	Description of Parts
a	Upper housing
b	Lower housing
c	Membrane
d	Instrument connection
e	Filling port
f	Process connection
g	Screw bolt





unit=mm

Membrane size			
Ø	55	75	95
D	80	100	120

unit=mm

Ordering Information

DT110	Code	Instrument Connection (Female)
		(A) ¼"BSP (B) ¼"NPT (C) ⅜"BSP (D) ⅜"NPT (E) ½"BSP (F) ½"NPT
	Code	Membrane size
		(B) Ø55 (C) Ø75 (D) Ø95
	Code	Process connection
		(1) ¼" BSP (2) ¼" NPT (3) ⅜"BSP (4) ⅜"NPT (5) ½"BSP (6) ½"NPT (7) Option
	Code	Thread
		(M) Male (F) Female
	Code	Upper housing material
		(S) SS316/SS316L (standard) (S4) SS304/SS304L (0) Option
	Code	Lower housing material
		(S) SS316/SS316L (standard) (S4) SS304/SS304L (0) Option
	Code	Membrane material
		(1) SS316L (2) Hastelloy C276 (3) Tantalum (4) Option

DT110								Complete ordering code

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