

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: Ø45, Ø55, Ø75 available

Process connection: ¼" to ½" Thread BSP or NPT

Temperature limited: -40~+150°C cooling element or capillary line up to 350°C

Pressure range limited:

Maximum up to 40 kg/cm²

Minimum: -760 mmHg~0 (Ø75 Membrane)

-1~1.5 kg/cm² (Ø55 Membrane)

0~10 kg/cm² (Ø45 Membrane)

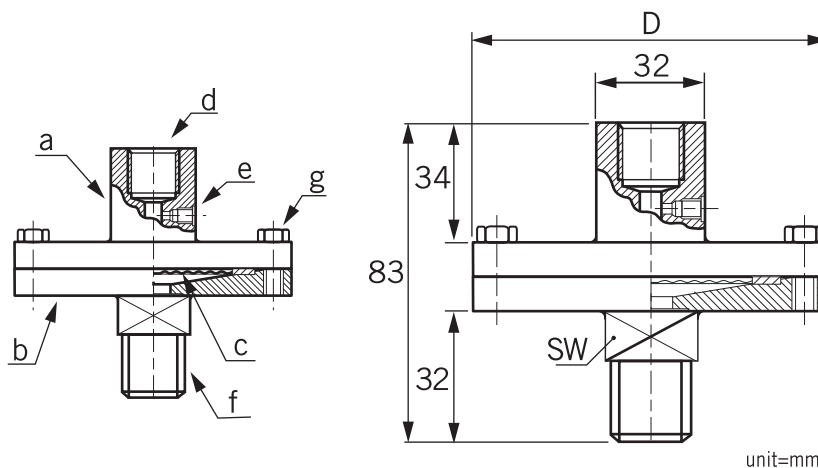
Material: Upper & Lower housing-SS316 (standard), others on request

Membrane: SS316L (standard); Options- Hastelloy C276, tantalum, and others on request.



Dimensions

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



Membrane size			
Ø	45	55	75
D	68.5	80	100

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				
			(A) Ø45 (B) Ø55 (C) Ø75					
			Code	Process connection rating				
			(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(standard) (O) Option					
			↓	↓	↓	<th>Code</th> <th colspan="3">Lower housing material</th>	Code	Lower housing material
(S) SS316(standard) (O) Option								
<th>Code</th> <th colspan="3">Membrane material</th>	Code	Membrane material						
(1) SS316L (2) Hastelloy C276 (3) Tantalum (4) Option								
DT110								Complete ordering code