

# FLANGE TYPE DIAPHRAGM SEAL

## DT122

DT122 diaphragm seal is designed to be used in highly viscous process media such as pulp, paper, waste treatment, and plastic chemical process industries. DT122 is easy to assemble with pressure gauges, pressure switches, and pressure instruments.

### Technical Data

**Instrument connection:** female thread 1/4" to 1/2" BSP or NPT

**Membrane size:** Ø36, Ø45, Ø75 available

**Process connection:** 1/2" to 3" Flange, JIS, ANSI, DIN available

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

**Pressure range limited:**

Ø75 Membrane: -760 mmHg~0, Minimum process flange 2" x 150#

Ø45 Membrane: Maximum up to 40 kg/cm<sup>2</sup>  
 Minimum -1~5 kg/cm<sup>2</sup>, 0~6 kg/cm<sup>2</sup>  
 Minimum process flange 3/4" x 150#

Ø36 Membrane: Maximum up to 40 kg/cm<sup>2</sup>  
 Minimum 0~10 kg/cm<sup>2</sup>  
 Minimum process flange 1/2" x 150#

**Material:** Upper & Lower housing-SS316(standard), others on request  
 Membrane: SS316L (standard); Options- Hastelloy C276, tantalum, and others on request.



**Approvals:**

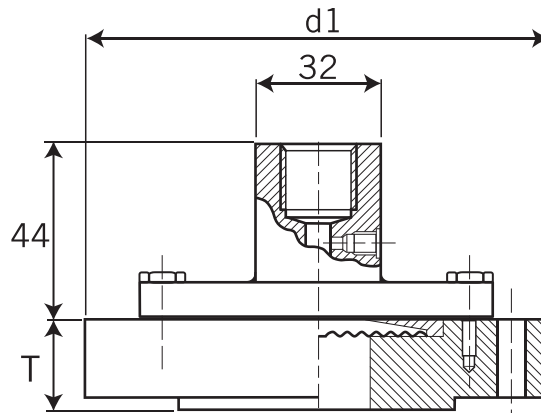
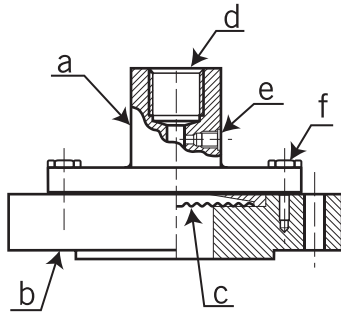


**Patent No.**

M328564

### Dimensions

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



unit=mm

Please note: d1 & T dimension are according to the flange rating and size.

\*The flange sizes of 1" to 4" are available upon request. The dimensions are according to the standard specifications of JIS, ANSI and DIN.

### Ordering Information

DT122	Code	Instrument Connection (Female)
		(A) 1/4"BSP (B) 1/4"NPT (C) 3/8"BSP (D) 3/8"NPT (E) 1/2"BSP (F) 1/2"NPT
	<b>Code</b>	<b>Membrane size</b>
		(A) Ø36 (B) Ø45 (C) Ø75
	<b>Code</b>	<b>Process connection rating</b>
		(1) 1/2" (2) 3/4" (3) 1" (4) 1 1/2" (5) 2" (6) 3" (7) Option
	<b>Code</b>	<b>Flange rating</b>
		(1) 150# (2) 300# (3) PN16 (4) PN25 (5) JIS 10K (6) JIS 20K (7) Option
	<b>Code</b>	<b>Upper housing material</b>
		(S) SS316(standard) (0) Option
	<b>Code</b>	<b>Lower housing material</b>
		(S) SS316 (0) Option
	<b>Code</b>	<b>Membrane material</b>
		(1) SS316L (2) Hastelloy C276 (3) Tantalum (4) Option
<b>DT122</b>		<b>Complete ordering code</b>