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.

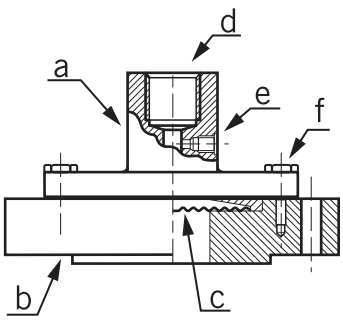


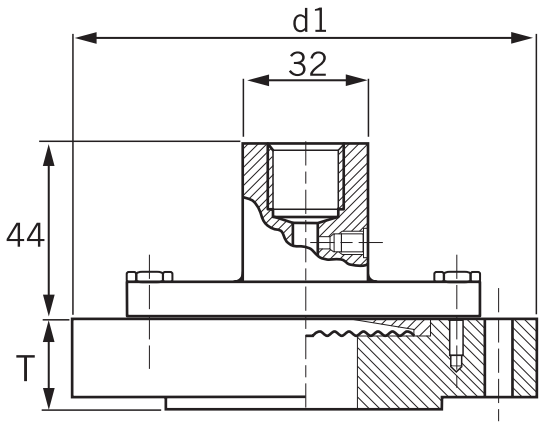
Technical Data

Instrument connection: female thread ¼" to ½" BSP or NPT
Membrane size: Ø36, Ø45, Ø75 available
Process connection: ½" to 3" Flange, JIS, ANSI, DIN available
Temperature limited: -40~+150℃ cooling element or capillary line up to 350℃
Pressure range limited:
Ø75 Membrane: -760 mmHg~0, Minimum process flange 2" x 150#
Ø45 Membrane: Maximum up to 40 kg/cm²
Minimum -1~5 kg/cm², 0~6 kg/cm²
Minimum process flange ¾" x 150#
Ø36 Membrane: Maximum up to 40 kg/cm²
Minimum 0~10 kg/cm²
Minimum process flange ½" x 150#
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	Screw bolt





unit=mm

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

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

Ordering Information

DT122	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) Ø36 (B) Ø45 (C) Ø75
	Code	Process connection rating
		(1) ½" (2) ¾" (3) 1" (4) 1½" (5) 2" (6) 3" (7) Option
	Code	Flange rating
		(1) 150# (2) 300# (3) PN16 (4) PN25 (5) JIS 10K (6) JIS 20K (7) Option
	Code	Upper housing material
		(S) SS316(standard) (0) Option
	Code	Lower housing material
		(S) SS316 (0) Option
	Code	Membrane material
		(1) SS316L (2) Hastelloy C276 (3) Tantalum (4) Option

DT122								Complete ordering code

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