

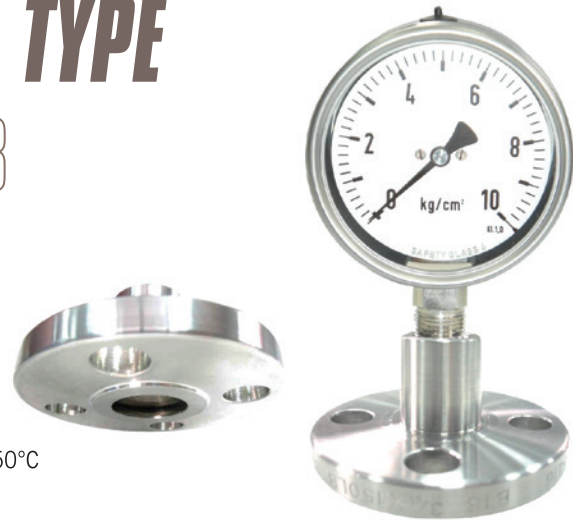
# FLANGE STYLE INSERTED TYPE DIAPHRAGM SEAL DT133

DT133 diaphragm seal is designed to be used in highly viscous process media such as pulp, paper, waste treatment, and plastic/chemical process industries. DT133 is easy to assemble with pressure gauges, pressure switches, and pressure instruments.

## Technical Data

- Instrument Connection:** female thread ¼" to ½"NPT or BSP
- Process Connection:** ¾" to 3" Flange, JIS,ANSI, DIN rating available
- Temperature Limited:** -40~+150°C cooling element or capillary line up to 350°C
- Pressure Range & Flange Size Limited:**
  - Ø36 Membrane: Maximum up to 40 kg/cm<sup>2</sup>; Minimum 0~6 kg/cm<sup>2</sup>  
Minimum process flange ¾" x 150#
  - Ø45 Membrane: Maximum up to 40 kg/cm<sup>2</sup>; Minimum 0~6 kg/cm<sup>2</sup>  
Minimum process flange 1" x 150#
  - Ø55 Membrane: Maximum up to 40 kg/cm<sup>2</sup>; Minimum 0~4 kg/cm<sup>2</sup>  
Minimum process flange 1½" x 150#
  - Ø75 Membrane: Maximum up to 40 kg/cm<sup>2</sup>; Minimum -1~0 kg/cm<sup>2</sup>  
Minimum process flange 2" x 150#

\*The Larger pressure range is on request, according to flange rating for above items.

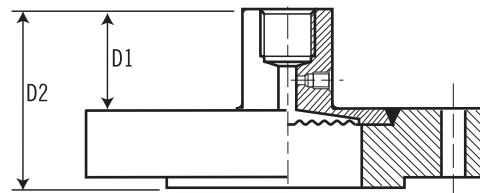
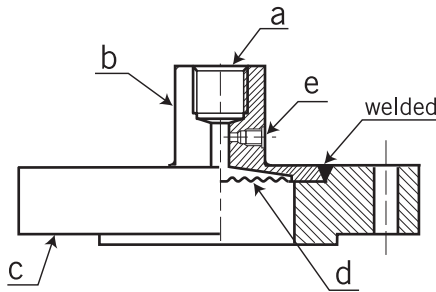


Approvals:



## Dimensions

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



\* D1: 30~50 mm  
D2: Dimension to suit standard flange rating (as JIS, ANSI, DIN, etc.)

## Ordering Information

DT133	Code	Instrument Connection (Female)
		(A) ¼"BSP (B) ¼"NPT (C) ¾"BSP (D) ¾"NPT (E) ½"BSP (F) ½"NPT
		<b>Code</b> <b>Membrane size</b>
		(A) Ø36 (B) Ø45 (C) Ø55 (D) Ø75
		<b>Code</b> <b>Process connection rating</b>
		(1) ¾" (2) 1" (3) 1½" (4) 2" (5) 2½" (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) (O) Option
		<b>Code</b> <b>Lower housing material</b>
		(S) SS316 (O) Option
		<b>Code</b> <b>Membrane material</b>
		(1) SS316L (2) Hastelloy C276 (3) Tantalum (4) Option
DT133		Complete ordering code