

Diaphragm seal for food/pharmaceutical/biotechnology for VARIVENT in-line access unit, Type Series DL8080



Features

- Flush-mounted separating diaphragm of stainless steel, welded by laser
- Volume optimized diaphragm base
- Connection of measuring instrument:
 - · directly welded
 - · directly screwed
 - · with temperature decoupler
 - with capillary

Options

- Material certificate acc. to DIN EN 10204-3.1
- Hygienic design with advanced surface quality
- With reduced temperature effect and reinforced diaphragm (LTC-technology)
- Special materials upon request

Application area

- · Food industry
- · Pharmaceutical industry
- Biotechnology

Application

Suitable for mounting to bourdon tube pressure gauges and pressure transmitters. The diaphragm seal for VARIVENT inline access unit is used mainly for dead-zone free measuring.

Technical Data

Process connection

VARIVENT in-line access unit

- D = 50 for Varivent case DN 25 and 1"
- D = 68 for Varivent case
 DN 40...DN 125 and
 1 1/2"...6"

Diaphragm seal material

basic body:

st. steel mat. no. 1.4435 (316L) Gasket is not included!

Nominal pressure

dependent of in-line access unit

DN 25 / 1" PN 25 bar DN 40-80 PN 25 bar DN 1 1/2"-3" PN 25 bar DN 100 / 4" PN 20 bar DN 125 / 6" PN 10 bar

Separating diaphragm

standard material: st. steel mat. no. 1.4435 (316L), further materials upon request

Diaphragm outline

standard Sinus-type, option: with reduced temperature effect and reinforced diaphragm (LTC-technology)

Measuring instrument connection

- · directly welded/screwed
- · with temperature decoupler
- · with capillary see order code material stainless steel

Process temperature

dependent on measuring system, diaphragm seal filling liquid and installation.

Diaphragm seal filling liquid

see data sheet D5-003. Standard according to order code

Hygienic design

surface formation of wetted parts as per EHEDG guidelines ($R_a \le 0.8 \ \mu m$)

Installation instructions

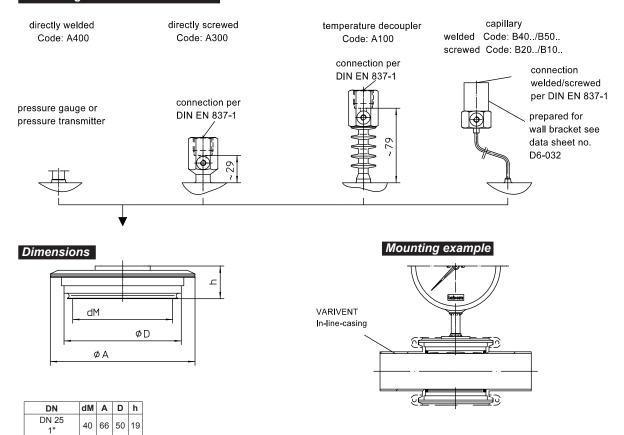
see operating instructions BTA-062

Weights

with measuring instrument connection G 1/2

D = 50: approx. 0.6 kg D = 68: approx. 0.8 kg

Measuring instrument connection



									capil	lary length
order Details - please give additional specifications for models not listed -									lengt	th order
Diaphragm seal for food/pharmaceutical/biotechnology for VARIVENT in-line access unit					7				m	code
design	VARIVENT in-line access unit								1	11
surface	· standard								1.6	12
roughness	· hygienic version as per EHEDG guidelines				HY	1			2.5	13
process	D= 50 for VARIVENT type F - case DN 25 and 1"					D40			4	14
connection 1	· D= 68 for \	D= 68 for VARIVENT type N - case DN 40 DN 125 and 1 1/2" 6"				D58	1		5	21
diaphragm material	stainless steel matno. 1.4435 (316L)						G7		6	15
	stainless steel matno. 1.4435 (316L), LTC membrane technology ⁴						G7L		7	23
	· variant						G9		8	16
connection of measuring instrument	directly	· welded						A400	10	17
	· directly	· screwed G 1/2						A300	othe	
	with temperature decoupler A100 screwed C							A100	Other	
	· with capillary		· welded					B40]←—	
	with Capillary		· screwed G 1/2					B20	←──	
	· with capillary and stainless steel		· welded					B50	 	
	protective	tube	· screwed G 1/2					B10	—	
system filling ²	filling liquid temperatur									
	· foodstuff o	il FD1 (standard)	+10+140 °C						L22	
	· foodstuff o	il FD1, pls specify temperature, max.	-40+200 °C						L23	
	glycerine/water FGW -20+120 °C								L15	
additional featu	ıres (to be i	ndicated in case of need, only)								
naterial certificate acc. to DIN EN 10204- 3.1, wetted parts										W1020
liaphragm seal electropolished										W4035
				+	+	+	+	+	+	_
Order code (example):						D58	G7	A400	L22	

- ¹ Other designs upon request.
- ² Please check data sheet D5-003 for further information.
 - Please state temperature range to allow an accurate calculation of the system.
- ³ max. temperature of liquid filling for abs. pressure > 1 bar
- ⁴ for D = 68

DN 40 - 125 1 1/2" - 6"

dimensions (mm)

58 84 68 19