



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 in-line 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
($R_a \leq 0.8 \mu\text{m}$)

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

