Threaded Process Connection, Small Diaphragm Seals with Flush Diaphragm
Model 990.36

WIKA Data Sheet DS 99.03

Applications

- For high pressures
- Pressure measurement of highly viscous or crystallising pressure media
- Process industry
- Painting lines

Special Features

- Small dimensions
- Flush diaphragm
- No dead spaces
- Special version with protection disc for abrasive media

Diaphragm seal Model 990.36 directly combined with transmitter Model S-10

Description

Process connection
Stainless steel 316L
Thread G ½ B, G ¾ B, G 1 B, G 1 ½ B (male)

Pressure rating
PN 600

Pressure ranges
0 ... 10 bar to 0 ... 600 bar

Material of wetted parts
Stainless steel 1.4435 (316L)

Instrument connection
Instrument directly welded

System fill fluid
KN 2 Silicon oil

Optional extras

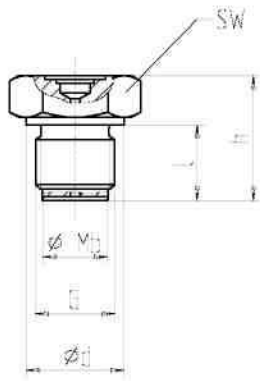
Special version with protection disc
- Purpose-built for abrasive media, see page 3

Material of wetted parts
- Special materials on request

Pressure instrument assembly
- Assembly via cooling tower
- Assembly via capillary, when ordering please specify: length of capillary

System fill fluid
- Special fill fluids for painting lines

Dimensions in mm



G	Dimensions in mm					Weight
	Mb	SW	d	l	h	in kg
G ½ B	17	27	26	20	33	0.16
G ¾ B	22	32	32	20	37	0.25
G 1 B	25	41	39	28	46	0.52
G 1½ B	40	55	60	30	50	1.10

Mb = effective diameter of diaphragm

Special version with protection disc

In order to protect the pressure measuring instrument from abrasive materials, WIKA developed a diaphragm seal with a protection disc for use under even most severe conditions.
The pressure measuring instrument is insensitive to blows and impacts on the protection disc. This has a sufficient thickness, in order to resist the abrasion from the process media.

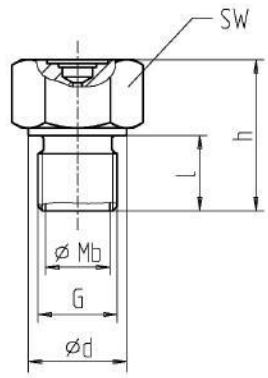
Material of protection disc: stainless steel 316L

Applications
Pressure measurement in media with hard and abrasive solids:
- Cast plaster pumps / concrete pumps
- Heading and cutting machines for tunnels
- Mining / waste removal

Optional
- Rubber cover to protect the case of the pressure gauges

Pressure gauge Model 232.50.100 with rubber cover to protect the case and directly mounted diaphragm seal Model 990.36, special version with protection disc

Dimensions in mm



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G	Dimensions in mm					Weight
	Mb	SW	d	l	h	in kg
G ½ B	17	30	26	20	40	0.30
G ¾ B	22	32	32	20	40	0.50
G 1 B	25	41	39	28	46	0.65
G 1½ B	40	55	55	27	48	1.30

Mb = effective diameter of diaphragm

Possible combinations (taking the following application conditions into account)		
Instrument connection	Instrument directly welded	
System fill fluid	KN 2 Silicon oil	
Temperature range	■ Process -10 °C ... +80 °C ■ Ambient -10 °C ... +40 °C	
	With pressure gauge e.g. Model 232.50 / 233.50 (data sheet PM 02.02) or safety pattern version Model 232.30 / 233.30 (data sheet PM 02.04) 	With pressure transmitter e.g. Model S-10 (data sheet PE 81.01)
Lowest measuring range	**NS 63: 0 ... 6 bar** **NS 100: 0 ... 10 bar**	**0 ... 2.5 bar**

ООО ТД «АЗТЭО»
624260, Россия Свердловская область,
г. Асбест, пр. Ленина, 8/3
Тел: 8 (34365) 2-87-74, 2-45-52
Факс:8 (34365) 2-87-74
E-mail: zakaz@azteo.ru