

Inline diaphragm seal for threaded pipe connection Type series DS1260



Application area

- Food industry
- Pharmaceutical industry
- Biotechnology

Features

- Circular diaphragm of stainless steel, slightly grooved, laser welded
- Pipe connections 10x1,5 up to 20x2
- Volume optimised diaphragm base
- System fillings for different applications
- Measuring device connection:
 - directly welded
 - directly screwed
 - with temperature decoupler
 - with capillary

Options

- Certificates
 - Material certificate acc. to EN 10204-3.1
- Special materials upon request

Application

Suitable for mounting to bourdon tube pressure gauges and pressure transmitters. The diaphragm seal for threaded pipe connections is used mainly for dead-zone free pressure measurement.

Technical data

Constructional design

Basic body:	Volume reduced diaphragm base Material: stainless steel mat.-no. 1.4404/1.4435 (316L)
Diaphragm:	Inline diaphragm
Material wetted parts:	Diaphragm: See order details Basic body: Stainless steel mat.-no. 1.4404/1.4435 (316L)

Process connection

Design:	DN 15, directly welded to pipe or connection to Swagelok- oder Ermeto screwing.
Nominal pressure,	See order details.
Nominal width:	Nominal pressure stages as per order details correspond with the threaded pipe connections per EN 10305-1. Maximum nominal pressure stage: PN 250. The nominal pressure stage of the pipe connection has to be observed.

The sealing is not included in the scope of delivery.

Measuring device connection

See order details.
Material stainless steel mat.-no. 1.4301 (304)

System filling

See order details; further upon request.
Further details about pressure transmission fluids see general technical information TA_038.

Temperature error

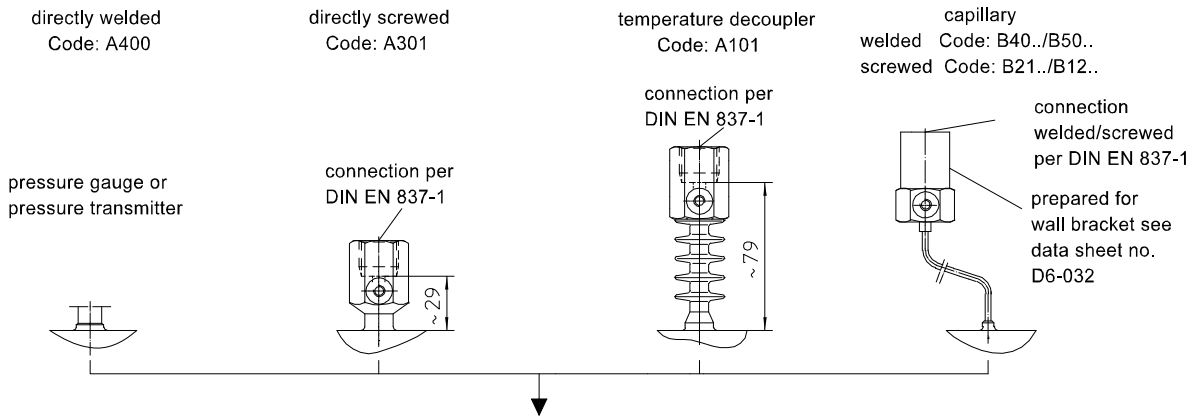
In order to optimise the system we provide a detailed error calculation upon request.

Weight

With measuring device connection G1/4 approx. 1.0 kg

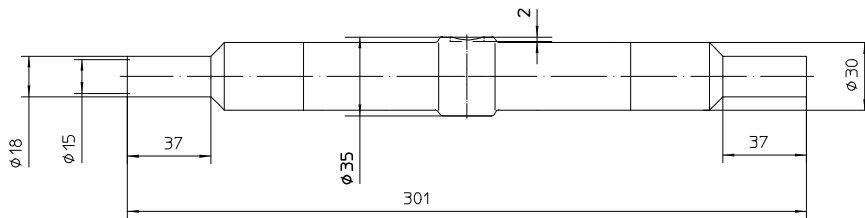
Further information about diaphragm seals see general technical information TA_031.

Measuring device connection



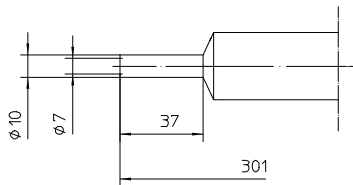
Dimensions

pipe connection 18x1,5 [S66]

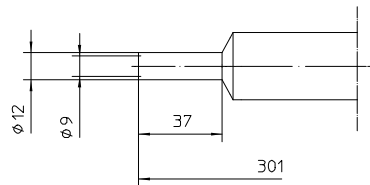


various sizes of pipe connections available

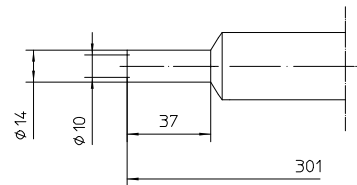
pipe connection 10x1,5
Code: S54



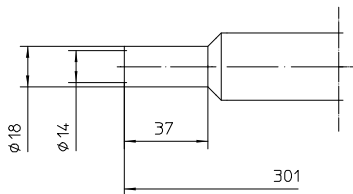
pipe connection 12x1,5
Code: S58



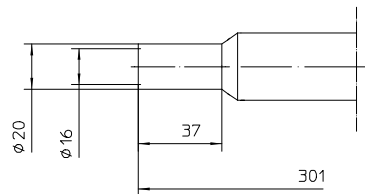
pipe connection 14x2
Code: S60



pipe connection 18x2
Code: S67



pipe connection 20x2
Code: S70



Order details

Inline diaphragm seal with threaded pipe connection, Type series DS1260

Order details inline diaphragm seal DS1260

DS1260	inline diaphragm seal DN 15 for threaded pipe connections ¹			
S54	connections both sides for pipes	10 x 1.5	PN 250	
S58		12 x 1.5	PN 250	
S60		14 x 2	PN 250	
S66		18 x 1.5	PN 160	
S67		18 x 2	PN 160	
S70		20 x 2	PN 250	
F1		insertion length L	total length 301 mm, pipe connections 37 mm	
F9	as in writing			
G1	material	wetted parts stainless steel mat.-no. 1.4435 (316L)		
G99		further materials as in writing		
A400	measuring device connection	directly	welded	
A301			screwed G1/4	
A101		with temperature decoupler	screwed G1/4	
B40 . .		with capillary	welded	
B21. . .			screwed G1/4	
B50 . . .		with capillary and stainless steel protective tube	welded	
B12 . . .			screwed G1/4	
11		capillary length	1 m	
12			1.6 m	
13			2.5 m	
14			4 m	
21			5 m	
15			6 m	
23			7 m	
16	8 m			
17	10 m			
9	others			
	system filling ²	<u>pressure transmission fluid</u>	<u>temperature range</u> ³	
L22		synthetic oil, free of silicone FD1, standard	-10...140 °C	
L23		synthetic oil, free of silicone FD1, pls. specify max. temperature	-50...230 °C	
L31		high temperature oil FV3H	-10...400 °C	

Order code (example): DS1260 - S54 - F1 - G1 - A400 - L22 - ...

¹ further connections upon request

² for more detailed information about pressure transmission fluids see TA_038.
Please state temperature range to allow an accurate calculation of the system.

³ max. media temperature for pressures > 0 bar rel.