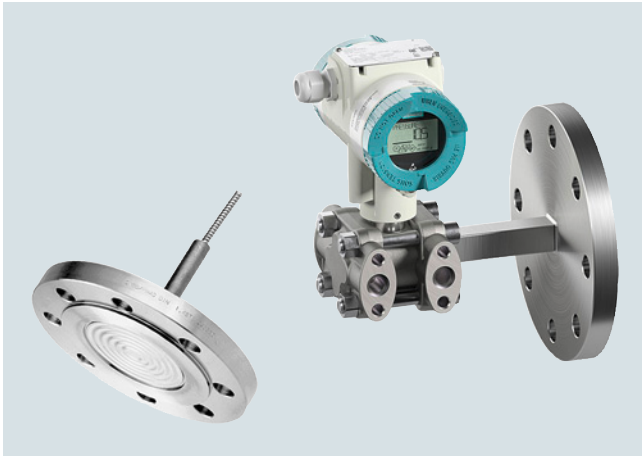


Diaphragm seals of flange design mounted directly and with capillary

1

Overview



Diaphragm seal of flange design for pressure transmitters for differential pressure, fixed connection and with flexible capillary

Technical specifications

Diaphragm seals of screwed design for pressure transmitters for differential pressure, fixed connection and with flexible capillary

Nominal diameter	Nominal pressure
Connecting standard EN 1092-1	
• DN 40	PN 10/16/25/40/63/100/160
• DN 50	PN 10/16/25/40/63/100
• DN 80	PN 10/16/25/40/100
• DN 100	PN 10/16/25/40
• DN 125	PN 16/40
Connecting standard ASME B16.5	
• 1½ inch	Class 150/300/400/600/900/1500
• 2 inch	Class 150/300/400/600/900/1500
• 3 inch	Class 150/300/600/1500
• 4 inch	Class 150/300/400/1500
• 5 inch	Class 150/300/400
Connecting standard J.I.S.	
• DN 50	10K
• DN 80	20K
• DN 100	40K
Sealing surface	
• For stainless steel, mat. No. 1.4404/316L	To EN 1092-1, form B1 or ASME B16.5 RF 125 ... 250 AA
• For the other materials	To EN 1092-1, form B2 or ASME B16.5 RFSF

Materials

- Main body
- Wetted parts

Stainless steel, 1.4404/316L
 Stainless steel, 1.4404/316L

- Without coating
- PTFE coating
- ECTFE coating (for vacuum on request)
- PFA coating

Monel 400, mat. No. 2.4360
 Hastelloy C276, mat. No. 2.4819
 Hastelloy C4, mat. No. 2.4602
 Hastelloy C22, W.-Nr. 2.4602
 Tantalum
 Titanium, W.-Nr. 3.7035
 Nickel 201
 Duplex 2205, mat. no. 1.4462
 Stainless steel 316L, gold plated, thickness approx. 25 µm
 Stainless steel, mat. No. 1.4571/316Ti
 Spiral protective tube made of stainless steel, mat. No. 1.4404/316L

- Capillary

- Sheath

Sealing material in the process flanges

- For pressure transmitters, absolute pressure transmitters and low-pressure applications
- For other applications

Copper

Maximum pressure

Viton

See above and the technical data of the pressure transmitter

Tube length

Without tube
 50 mm (1.97 inch)
 100 mm (3.94 inch)
 150 mm (5.91 inch)
 200 mm (7.87 inch)

Capillary

- Length

Max. 10 m (32.8 ft), longer lengths on request

- Internal diameter
- Minimum bending radius

2 mm (0.079 inch)
 150 mm (5.9 inch)

Filling liquid

Silicone oil M5
 Silicone oil M50
 High-temperature oil
 Halocarbon oil (for measuring O₂)
 Food oil (FDA listed)
 170 °C (338 °F)

Max. recommended process temperature

Permissible ambient temperature

Dependent on the pressure transmitter and the filling liquid of the remote seal

More information can be found in the technical data of the pressure transmitters and in the section "Technical data of filling liquid" in the Technical description to the remote seals

Weight

Approx. 4 kg (8.82 lb)

Certificate and approvals

Classification according to pressure equipment directive (DGRL 2014/68/EU)

For gases of fluid group 1 and liquids of fluid group 1; complies with requirements of article 4, paragraph 3 (sound engineering practice)

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

1

Diaphragm seals of flange design mounted directly and with capillary

Selection and Ordering data		Article No.	Order code
Diaphragm seal			
Flange type design, direct connected at high-side and with flexible capillary tube at low-side to			
<ul style="list-style-type: none"> SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately Scope of delivery: 2 off 		7MF0813 -	
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.			
Nominal diameter	Nominal pressure		
<u>Connecting standard EN 1092-1</u>			
DN 40	PN 10/16/25/40	0DD	
	PN 63/100	0DF	
	PN 160	0DG	
DN 50	PN 10/16/25/40	0ED	
	PN 63	0EE	
	PN 100	0EF	
DN 80	PN 10/16/25/40	0GD	
	PN 100	0GF	
DN 100	PN 10/16	0HB	
	PN 25/40	0HD	
DN 125	PN 16	0JB	
	PN 40	0JD	
<u>Connecting standard ASME B16.5</u>			
1½ inch	class 150	1LA	
	class 300	1LB	
	class 400/600	1LD	
	class 900/1500	1LF	
2 inch	class 150	1MA	
	class 300	1MB	
	class 400/600	1MD	
	class 900/1500	1MF	
3 inch	class 150	1PA	
	class 300	1PB	
	class 600	1PD	
	class 1500	1PF	
4 inch	class 150	1QA	
	class 300	1QB	
	class 400	1QC	
	class 1500	1QF	
5 inch	class 150	1RA	
	class 300	1RB	
	class 400	1RC	
<u>Connecting standard J.I.S.</u>			
DN 50	10K	2ES	
	20K	2ET	
	40K	2EU	
DN 80	10K	2GS	
	20K	2GT	
	40K	2GU	
DN 100	10K	2HS	
	20K	2HT	
	40K	2HU	
Other version Add Order code and plain text		9AA	H1Y

Selection and Ordering data		Article No.	Order code
Diaphragm seal			
Flange type design, direct connected at high-side and with flexible capillary tube at low-side to			
<ul style="list-style-type: none"> SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately Scope of delivery: 2 off 		7MF0813 -	
Click on the Article No. for the online configuration in the PIA Life Cycle Portal.			
Length of capillary tube at low-side			
1 m		10	
1,6 m		11	
2 m		12	
2,5 m		13	
3 m		14	
4 m		15	
5 m		16	
6 m		17	
7 m		18	
8 m		20	
9 m		21	
10 m		22	
Other version Add Order code and plain text		98	L1Y
Filling liquid			
Silicone oil M5		A	
Silicone oil M50		B	
High-temperature oil		C	
Halocarbon oil		D	
Food-grade oil (FDA listed)		E	
Other version Add Order code and plain text		Z	P1Y

Diaphragm seals of flange design mounted directly and with capillary

1

Selection and Ordering data	Article No.	Order code	Selection and Ordering data	Article No.	Order code																																																																		
Diaphragm seal Flange type design, direct connected at high-side and with flexible capillary tube at low-side to <ul style="list-style-type: none"> SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately Scope of delivery: 2 off	7MF0813 -		Diaphragm seal Flange type design, direct connected at high-side and with flexible capillary tube at low-side to <ul style="list-style-type: none"> SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately Scope of delivery: 2 off	7MF0813 -																																																																			
		- 0			- 0																																																																		
Wetted parts materials Stainless steel 316L <ul style="list-style-type: none"> Without coating With PFA coating With PTFE coating With ECTFFE coating Monel 400, 2.4360 Hastelloy C276, 2.4819 Tantalum Titanium, 3.7035 Nickel 201 Diaphragm Duplex, 1.4462 Diaphragm plus flange Duplex, 1.4462 Stainless steel 316L with gold coating Hastelloy C4, 2.4610 Hastelloy C22, 2.4602 Other version Add Order code and plain text		A D E 0 F G J K L 0 M 0 Q R S 0 U 0 V 0 Z 8	Q 1 Y																																																																				
Extension length <ul style="list-style-type: none"> without 50 mm (2") 100 mm (4") 150 mm (6") 200 mm (8") 250 mm (10") Other version Add Order code and plain text		0 1 2 3 4 5 Z 8	Q 1 Y																																																																				
Customer-specific extension length <ul style="list-style-type: none"> Wetted parts stainless steel without coating <table border="1"> <thead> <tr> <th>Range</th> <th>Standard length</th> <th></th> </tr> </thead> <tbody> <tr> <td>20 ... 50 mm (0.79 ... 1.97")</td> <td>50 mm (1.97")</td> <td>A 1</td> </tr> <tr> <td>51 ... 100 mm (2.01 ... 3.94")</td> <td>100 mm (3.94")</td> <td>A 2</td> </tr> <tr> <td>101 ... 150 mm (3.98 ... 5.91")</td> <td>150 mm (5.91")</td> <td>A 3</td> </tr> <tr> <td>151 ... 200 mm (5.94 ... 7.87")</td> <td>200 mm (7.87")</td> <td>A 4</td> </tr> <tr> <td>201 ... 250 mm (7.91 ... 9.84")</td> <td>250 mm (9.84")</td> <td>A 5</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Wetted parts stainless steel with ECTFFE coating <table border="1"> <thead> <tr> <th>Range</th> <th>Standard length</th> <th></th> </tr> </thead> <tbody> <tr> <td>20 ... 50 mm (0.79 ... 1.97")</td> <td>50 mm (1.97")</td> <td>F 1</td> </tr> <tr> <td>51 ... 100 mm (2.01 ... 3.94")</td> <td>100 mm (3.94")</td> <td>F 2</td> </tr> <tr> <td>101 ... 150 mm (3.98 ... 5.91")</td> <td>150 mm (5.91")</td> <td>F 3</td> </tr> <tr> <td>151 ... 200 mm (5.94 ... 7.87")</td> <td>200 mm (7.87")</td> <td>F 4</td> </tr> <tr> <td>201 ... 250 mm (7.91 ... 9.84")</td> <td>250 mm (9.84")</td> <td>F 5</td> </tr> </tbody> </table>	Range	Standard length		20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	A 1	51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	A 2	101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	A 3	151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	A 4	201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")	A 5	Range	Standard length		20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	F 1	51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	F 2	101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	F 3	151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	F 4	201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")	F 5		A 1 A 2 A 3 A 4 A 5 F 1 F 2 F 3 F 4 F 5																																	
Range	Standard length																																																																						
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	A 1																																																																					
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	A 2																																																																					
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	A 3																																																																					
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	A 4																																																																					
201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")	A 5																																																																					
Range	Standard length																																																																						
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	F 1																																																																					
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	F 2																																																																					
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	F 3																																																																					
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	F 4																																																																					
201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")	F 5																																																																					
			<ul style="list-style-type: none"> Wetted parts stainless steel with PFA coating <table border="1"> <thead> <tr> <th>Range</th> <th>Standard length</th> <th></th> </tr> </thead> <tbody> <tr> <td>20 ... 50 mm (0.79 ... 1.97")</td> <td>50 mm (1.97")</td> <td>D 1</td> </tr> <tr> <td>51 ... 100 mm (2.01 ... 3.94")</td> <td>100 mm (3.94")</td> <td>D 2</td> </tr> <tr> <td>101 ... 150 mm (3.98 ... 5.91")</td> <td>150 mm (5.91")</td> <td>D 3</td> </tr> <tr> <td>151 ... 200 mm (5.94 ... 7.87")</td> <td>200 mm (7.87")</td> <td>D 4</td> </tr> <tr> <td>201 ... 250 mm (7.91 ... 9.84")</td> <td>250 mm (9.84")</td> <td>D 5</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Wetted parts Monel 400 <table border="1"> <thead> <tr> <th>Range</th> <th>Standard length</th> <th></th> </tr> </thead> <tbody> <tr> <td>20 ... 50 mm (0.79 ... 1.97")</td> <td>50 mm (1.97")</td> <td>G 1</td> </tr> <tr> <td>51 ... 100 mm (2.01 ... 3.94")</td> <td>100 mm (3.94")</td> <td>G 2</td> </tr> <tr> <td>101 ... 150 mm (3.98 ... 5.91")</td> <td>150 mm (5.91")</td> <td>G 3</td> </tr> <tr> <td>151 ... 200 mm (5.94 ... 7.87")</td> <td>200 mm (7.87")</td> <td>G 4</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Wetted parts Hastelloy C276 <table border="1"> <thead> <tr> <th>Range</th> <th>Standard length</th> <th></th> </tr> </thead> <tbody> <tr> <td>20 ... 50 mm (0.79 ... 1.97")</td> <td>50 mm (1.97")</td> <td>J 1</td> </tr> <tr> <td>51 ... 100 mm (2.01 ... 3.94")</td> <td>100 mm (3.94")</td> <td>J 2</td> </tr> <tr> <td>101 ... 150 mm (3.98 ... 5.91")</td> <td>150 mm (5.91")</td> <td>J 3</td> </tr> <tr> <td>151 ... 200 mm (5.94 ... 7.87")</td> <td>200 mm (7.87")</td> <td>J 4</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Wetted parts Tantalum <table border="1"> <thead> <tr> <th>Range</th> <th>Standard length</th> <th></th> </tr> </thead> <tbody> <tr> <td>20 ... 50 mm (0.79 ... 1.97")</td> <td>50 mm (1.97")</td> <td>K 1</td> </tr> <tr> <td>51 ... 100 mm (2.01 ... 3.94")</td> <td>100 mm (3.94")</td> <td>K 2</td> </tr> <tr> <td>101 ... 150 mm (3.98 ... 5.91")</td> <td>150 mm (5.91")</td> <td>K 3</td> </tr> <tr> <td>151 ... 200 mm (5.94 ... 7.87")</td> <td>200 mm (7.87")</td> <td>K 4</td> </tr> </tbody> </table>	Range	Standard length		20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	D 1	51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	D 2	101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	D 3	151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	D 4	201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")	D 5	Range	Standard length		20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	G 1	51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	G 2	101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	G 3	151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	G 4	Range	Standard length		20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	J 1	51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	J 2	101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	J 3	151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	J 4	Range	Standard length		20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	K 1	51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	K 2	101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	K 3	151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	K 4		D 1 D 2 D 3 D 4 D 5 G 1 G 2 G 3 G 4 J 1 J 2 J 3 J 4 K 1 K 2 K 3 K 4			
Range	Standard length																																																																						
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	D 1																																																																					
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	D 2																																																																					
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	D 3																																																																					
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	D 4																																																																					
201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")	D 5																																																																					
Range	Standard length																																																																						
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	G 1																																																																					
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	G 2																																																																					
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	G 3																																																																					
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	G 4																																																																					
Range	Standard length																																																																						
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	J 1																																																																					
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	J 2																																																																					
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	J 3																																																																					
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	J 4																																																																					
Range	Standard length																																																																						
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")	K 1																																																																					
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")	K 2																																																																					
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")	K 3																																																																					
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")	K 4																																																																					

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

Diaphragm seals of flange design mounted directly and with capillary

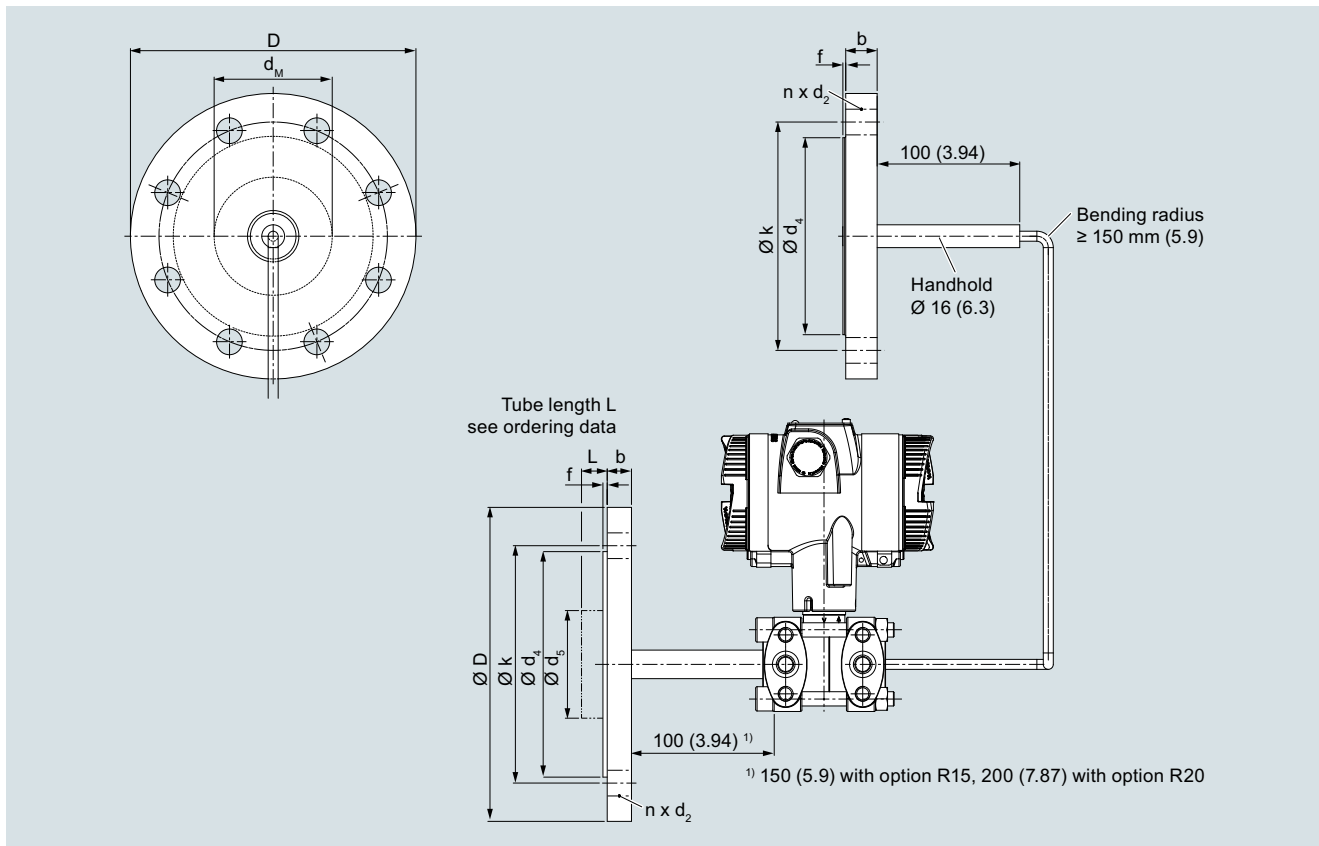
1

Selection and Ordering data	Order code	Selection and Ordering data	Order code
Further designs		Further designs	
Add "-Z" to Article No. and specify Order code.		Add "-Z" to Article No. and specify Order code.	
Factory certificates		Capillary coating	
Quality inspection certificate (Five-step factory calibration) to IEC 60770-2	C11	<u>PE protective tube</u>	
Inspection certificate to EN 10204-3.1 - material of body and wetted parts	C12	1 m	S10
Manufacturer's declaration acc. to NACE (MR 0103-2012 and MR 0175-2009) (only together with seal diaphragm made of Hastelloy and stainless steel)	C13	1,6 m	S11
Inspection certificate (EN 10204-3.1) - PMI test of pressure containing and wetted parts	C15	2 m	S12
Certificate of FDA-approved fill oil (to EN10204-2.2)	C17	2,5 m	S13
Functional safety (SIL2/3) Devices suitable for use according to IEC 61508 and IEC 61511 (Includes SIL conformity declaration)	C20	3 m	S14
		4 m	S15
		5 m	S16
		6 m	S17
		7 m	S18
		8 m	S19
		9 m	S20
		10 m	S21
		<u>PTFE protective tube</u>	
		1 m	S40
		1,6 m	S41
		2 m	S42
		2,5 m	S43
		3 m	S44
		4 m	S45
		5 m	S46
		6 m	S47
		7 m	S48
		8 m	S49
		9 m	S50
		10 m	S51
		<u>PVC protective tube</u>	
		1 m	S70
		1,6 m	S71
		2 m	S72
		2,5 m	S73
		3 m	S74
		4 m	S75
		5 m	S76
		6 m	S77
		7 m	S78
		8 m	S79
		9 m	S80
		10 m	S81
		Customer-specific tube length	
		Customer-specific tube length (specify in plain text)	Y44
		Specification of process conditions¹⁾	
		Ambient temperature range	
		• -10 ... +50 °C (14 ... +122 °F) preset	D66
		• -40 ... +50 °C (-40 ... +122 °F)	D67
		• -10 ... +85 °C (14 ... +185 °F)	D68
		Process temperature min. ... °C/(°F)/max. ... °C/(°F)	Y50
		1) See also "Specification of process conditions for selection and ordering data", page 1/338.	
Accessories			
Spark arrester (for differential pressure and level transmitters)	D62		
Low-temperature version (for Silicon Oil M50 only)	D67		
Negative pressure services			
Negative pressure service (for differential pressure transmitters)	D83		
Extended negative pressure service (for differential pressure transmitters)	D88		
General product approvals without explosion proof approvals			
Oil-and grease-free cleaned version (for O ₂ -appl. including certificate EN10204-2.2 (only with fill fluid Halocarbon oil max. temperature 60 °C and max. pressure 50 bar)	E80		
Oil-and grease-free cleaned version (not for O ₂ -appl. including certificate EN10204-2.2 (only with fill fluid Halocarbon oil)	E87		
Sealing surface			
Sealing surface smooth, form B2/EN1092-1 resp. RFSF/ANSI B16.5 (wetted parts 316L only)	M50		
Sealing surface groove to EN1092-1, form D (instead of sealing surface B1, wetted parts 316L only)	M54		
Sealing surface RJF (groove) to ASME B16.5 (instead of sealing surface RF 125...250AA, wetted parts 316L only)	M64		
Sealing surface with tongue to EN1092-1, form C (wetted parts 316L only)			
• DN 25	M70		
• DN 40	M71		
• DN 50	M72		
• DN 80	M73		
• DN 100	M74		
• DN 125	M75		
Sealing surface with spigot to EN1092-1, form E (wetted parts 316L only)			
• DN 25	M76		
• DN 40	M77		
• DN 50	M78		
• DN 80	M79		
• DN 100	M80		
• DN 125	M81		
Sealing surface with recess to EN1092-1, form F (wetted parts 316L only)			
• DN 25	M82		
• DN 40	M83		
• DN 50	M84		
• DN 80	M85		
• DN 100	M86		
• DN 125	M87		

Diaphragm seals of flange design mounted directly and with capillary

1

Dimensional drawings



Diaphragm seals of screwed design with flexible capillary, fixed connection, for connection to a SITRANS P320/420 pressure transmitter for differential pressure, dimensions in mm (inch)

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

Diaphragm seals of flange design mounted directly and with capillary

Connection to EN 1092-1

Nominal diameter	Nominal pressure	b	D	d ₂	d ₄	d ₅	d _M with extension	d _M without extension	f	k	n	L
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
DN 40	PN 10/16/25/40	16	150	18	88	38	30	42	2	110	4	0, 50, 100, 150 oder 200
	PN 63/100	24	170	22	88	38	30	42	2	125	4	
	PN 160	26	170	22	88	38	30	42	2	125	4	
DN 50	PN 10/16/25/40	18	165	18	102	48.3	40	51	2	125	4	
	PN 63/100	26	195	26	102	48.3	40	51	2	145	4	
	PN 160	28	195	26	102	48.3	40	51	2	145	4	
DN 80	PN 10/16/25/40	22	200	18	138	76	65	85	2	160	8	
	PN 100	30	230	26	138	76	65	85	2	180	8	
DN 100	PN 10/16	18	220	18	158	94	85	85	2	180	8	
	PN 25/40	22	235	22	162	94	85	85	2	190	8	
DN 125	PN 16	20	250	18	188	127	85	116	2	210	8	
	PN 40	24	270	26	188	127	85	116	2	220	8	

Connection to ASME B16.5

Nominal diameter	Nominal pressure	b	D	d ₂	d ₄	d ₅	d _M with extension	d _M without extension	f	k	n	L
		lb./sq.in inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)	inch (mm)
1½ inch	150	0.63 (15.9)	4.92 (125)	0.63 (15.9)	2.87 (73)	1.5 (38)	1.18 (30)	1.42 (36)	0.08 (2)	3.87 (98.4)	4	0, 2, 3.94, 5.94 oder 7.87 (0, 50, 100, 150 oder 200)
	300	0.75 (19.1)	6.10 (155)	0.87 (22.2)	2.87 (73)	1.5 (38)	1.18 (30)	1.42 (36)	0.08 (2)	4.5 (114.3)	4	
	400/600	0.88 (22.3)	6.10 (155)	0.87 (22.2)	2.87 (73)	1.5 (38)	1.18 (30)	1.42 (36)	0.28 (7)	4.5 (114.3)	4	
	900/1500	1.25 (31.8)	7.09 (180)	1.13 (28.6)	2.87 (73)	1.5 (38)	1.18 (30)	1.42 (36)	0.28 (7)	4.87 (123.8)	4	
2 inch	150	0.69 (17.5)	5.91 (150)	0.75 (19.1)	3.63 (92.1)	1.9 (48.3)	1.57 (40)	2.01 (51)	0.08 (2)	4.75 (120.7)	4	
	300	0.81 (20.7)	6.5 (165)	0.75 (19.1)	3.63 (92.1)	1.9 (48.3)	1.57 (40)	2.01 (51)	0.08 (2)	5 (127)	8	
	400/600	1.00 (25.4)	6.5 (165)	0.75 (19.1)	3.63 (92.1)	1.9 (48.3)	1.57 (40)	2.01 (51)	0.28 (7)	5 (127)	8	
	900/1500	1.5 (38.1)	8.46 (215)	1.00 (25.4)	3.63 (92.1)	1.9 (48.3)	1.57 (40)	2.01 (51)	0.28 (7)	6.5 (165.1)	8	
3 inch	150	0.88 (22.3)	7.48 (190)	0.75 (19.1)	5 (127)	3 (76)	2.65 (65)	3.35 (85)	0.08 (2)	6 (152.4)	4	
	300	1.06 (27)	8.27 (210)	0.87 (22.2)	5 (127)	3 (76)	2.65 (65)	3.35 (85)	0.08 (2)	6.63 (168.3)	8	
	600	1.23 (31.8)	8.27 (210)	0.87 (22.2)	5 (127)	3 (76)	2.65 (65)	3.35 (85)	0.28 (7)	6.63 (168.3)	8	
	1500	1.88 (47.7)	10.43 (265)	1.25 (31.8)	5 (127)	3 (76)	2.65 (65)	3.35 (85)	0.28 (7)	8 (203.2)	8	
4 inch	150	0.88 (22.3)	9.06 (230)	0.75 (19.1)	6.19 (157.2)	3.69 (94)	3.35 (85)	3.35 (85)	0.08 (2)	7.5 (190.5)	8	
	300	1.19 (30.2)	10.04 (255)	0.87 (22.2)	6.19 (157.2)	3.69 (94)	3.35 (85)	3.35 (85)	0.08 (2)	7.87 (200)	8	
	400	1.38 (35)	10.04 (255)	0.87 (22.2)	6.19 (157.2)	3.69 (94)	3.35 (85)	3.35 (85)	0.28 (7)	7.87 (200)	8	
	1500	2.13 (54)	12.20 (310)	1.37 (34.9)	6.19 (157.2)	3.69 (94)	3.35 (85)	3.35 (85)	0.28 (7)	9.5 (241.3)	8	
5 inch	150	0.88 (22.3)	10.04 (255)	0.87 (22.2)	7.31 (185.7)	5 (127)	4.57 (116)	4.57 (116)	0.08 (2)	8.5 (215.9)	8	
	300	1.31 (33.4)	11.02 (280)	0.87 (22.2)	7.31 (185.7)	5 (127)	4.57 (116)	4.57 (116)	0.08 (2)	9.25 (235)	8	
	400	1.50 (38.1)	11.02 (280)	0.87 (22.2)	7.31 (185.7)	5 (127)	4.57 (116)	4.57 (116)	0.28 (7)	9.25 (235)	8	

Pressure Measurement

Remote seals for pressure transmitters SITRANS P320/P420

Diaphragm seals of flange design mounted directly and with capillary

Connection to J.I.S

Nominal diameter	Nominal pressure	b	D	d ₂	d ₄	d ₅	d _M with extension	d _M without extension	f	k	n	L
		mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)	mm (inch)
DN 50	10K	14 (0.55)	155 (6.10)	19 (0.75)	96 (3.78)	48.3 (1.9)	40 (1.57)	51 (2.01)	2	120 (4.72)	4	0, 50, 100, 150 oder 200
	20K	16 (0.63)	165 (6.50)	19 (0.75)	96 (3.78)	48.3 (1.9)	40 (1.57)	51 (2.01)	2	120 (4.72)	8	
	40K	26 (1.02)	165 (6.50)	19 (0.75)	105 (4.13)	48.3 (1.9)	40 (1.57)	51 (2.01)	2	130 (5.12)	8	
DN 80	10K	16 (0.63)	185 (7.28)	19 (0.75)	126 (4.96)	76 (2.99)	65 (2.56)	85 (3.35)	2	150 (5.91)	8	(0, 2, 3.94, 5.94 oder 7.87)
	20K	20 (0.79)	200 (7.87)	23 (0.91)	132 (5.20)	76 (2.99)	65 (2.56)	85 (3.35)	2	160 (6.30)	8	
	40K	32 (1.26)	210 (8.27)	23 (0.91)	140 (5.51)	76 (2.99)	65 (2.56)	85 (3.35)	2	170 (6.30)	8	
DN 100	10K	16 (0.63)	210 (8.27)	19 (0.75)	151 (5.94)	94 (3.7)	85 (3.35)	85 (3.35)	2	175 (6.89)	8	
	20K	22 (0.87)	225 (8.86)	23 (0.91)	160 (6.30)	94 (3.7)	85 (3.35)	85 (3.35)	2	185 (7.28)	8	
	40K	36 (1.42)	250 (9.84)	25 (0.98)	165 (6.50)	94 (3.7)	85 (3.35)	85 (3.35)	2	205 (8.07)	8	

d: Internal diameter of gasket to DIN 2690

d_M: Effective diaphragm diameter