

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

Diaphragm seals of flange design with flexible capillary

1

Overview



Diaphragm seals of flange design

Technical specifications

Diaphragm seals of flange design with flexible capillary

Nominal diameter	Nominal pressure
Connecting standard EN 1092-1	
<ul style="list-style-type: none"> • DN 25 • DN 40 • DN 50 • DN 80 • DN 100 • DN 125 	PN 10/16/25/40/63/100/160/250 PN 10/16/25/40/63/100/160 PN 10/16/25/40/63/100 PN 10/16/25/40/100 PN 10/16/25/40 PN 16/40
Connecting standard ASME B16.5	
<ul style="list-style-type: none"> • 1 inch • 1½ inch • 2 inch • 3 inch • 4 inch • 5 inch 	Class 150/300/600/1500 Class 150/300/400/600/900/1500 Class 150/300/400/600/900/1500 Class 150/300/600/1500 Class 150/300/400/1500 Class 150/300/400
Connecting standard J.I.S.	
<ul style="list-style-type: none"> • DN 50 • DN 80 • DN 100 	10K 20K 40K
Sealing surface	
<ul style="list-style-type: none"> • For stainless steel, mat. No. 1.4404/316L • For the other materials 	To EN 1092-1, form B1 or ASMR B16.5 RF 125 ... 250 AA To EN 1092-1, form B2 or ASME B16.5 RFSF

Materials

- Main body
- Wetted parts

Stainless steel
mat. no. 1.4404/316L
Stainless steel
mat. no. 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

Viton

Maximum pressure

See above and the technical data of the pressure transmitter

Tube length

Without tube as standard (tube available on request)

Capillary

- Length

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

- Internal diameter

2 mm (0.079 inch)

- Minimum bending radius

150 mm (5.9 inch)

Filling liquid

(for remote seals of sandwich and flange design)

Silicone oil M5

Silicone oil M50

High-temperature oil

Halocarbon oil (for measuring O₂)

Food oil (FDA listed)

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

Diaphragm seals of flange design with flexible capillary

1

Selection and Ordering data		Article No.	Order code
Diaphragm seal			
Flange type design, with flexible capillary tube, connected with flexible capillary tube to a			
• SITRANS P320/P420 transmitter for gauge pressure or absolute pressure (only together with negative pressure service), 7MF03../7MF04.. order separately Scope of delivery: 1 off		7MF0810 -	
• SITRANS P320/P420 transmitter for absolute pressure from differential pressure, 7MF03../7MF04.. order separately, Scope of delivery: 1 off		7MF0811 -	
• SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately, Scope of delivery: 2 off		7MF0812 -	
- 0			
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 25, DN 40 and DN 50 recommended only for pressure transmitters)			
DN 25	PN 10/16/25/40	0BD	
	PN 63/100	0BF	
	PN 160	0BG	
	PN 250	0BH	
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>			
(1 inch, 1½ inch and 2 inch recommended only for pressure transmitters)			
1 inch	class 150	1KL	
	class 300	1KM	
	class 600	1KN	
	class 1500	1KP	
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	

Selection and Ordering data		Article No.	Order code
Diaphragm seal			
Flange type design, with flexible capillary tube, connected with flexible capillary tube to a			
• SITRANS P320/P420 transmitter for gauge pressure or absolute pressure (only together with negative pressure service), 7MF03../7MF04.. order separately Scope of delivery: 1 off		7MF0810 -	
• SITRANS P320/P420 transmitter for absolute pressure from differential pressure, 7MF03../7MF04.. order separately, Scope of delivery: 1 off		7MF0811 -	
• SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately, Scope of delivery: 2 off		7MF0812 -	
- 0			
<u>Connecting standard J.I.S.</u>			
(DN 50 recommended only for pressure transmitters)			
DN 50	10 K	2ES	
	20 K	2ET	
	40 K	2EU	
DN 80	10 K	2GS	
	20 K	2GT	
	40 K	2GU	
DN 100	10 K	2HS	
	20 K	2HT	
	40 K	2HU	
Other version Add Order code and plain text		9AA	H1Y
<u>Transmitter connection</u>			
Connection via capillary tube			
Length of capillary			
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	
11 m (only for 7MF0812)		23	
12 m (only for 7MF0812)		24	
13 m (only for 7MF0812)		25	
14 m (only for 7MF0812)		26	
15 m (only for 7MF0812)		27	
Other version Add Order code and plain text		98	L1Y
<u>Filling liquid</u>			
Silicone oil M5		A	
Silicone oil M50		B	
High-temperature oil		C	
Halocarbon oil		D	
Food-grade oil (FDA grade)		E	
Other version Add Order code and plain text		Z	P1Y

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

Diaphragm seals of flange design with flexible capillary

1

Selection and Ordering data

Article No.

Order code

Diaphragm seal

Flange type design, with flexible capillary tube, connected with flexible capillary tube to a

- SITRANS P320/P420 transmitter for gauge pressure or absolute pressure (only together with negative pressure service), 7MF03../7MF04.. order separately
Scope of delivery: 1 off
- SITRANS P320/P420 transmitter for absolute pressure from differential pressure, 7MF03../7MF04.. order separately, Scope of delivery: 1 off
- SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately, Scope of delivery: 2 off

7MF0810 -

7MF0811 -

7MF0812 -

- 0

Wetted parts materials

Stainless steel 316L

- Without coating
- With PFA coating
- With PTFE coating
- With ECTFE 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

Extension length

- without
- 50 mm (2")
- 100 mm (4")
- 150 mm (6")
- 200 mm (8")
- 250 mm (10")

Other version

Add Order code and plain text

Customer-specific extension length

- Wetted parts stainless steel without coating

Range	Standard length
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")
201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")

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

0

1

2

3

4

5

Z 8

Q 1 Y

A 1

A 2

A 3

A 4

A 5

Selection and Ordering data

Article No.

Order code

Diaphragm seal

Flange type design, with flexible capillary tube, connected with flexible capillary tube to a

- SITRANS P320/P420 transmitter for gauge pressure or absolute pressure (only together with negative pressure service), 7MF03../7MF04.. order separately
Scope of delivery: 1 off
- SITRANS P320/P420 transmitter for absolute pressure from differential pressure, 7MF03../7MF04.. order separately, Scope of delivery: 1 off
- SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately, Scope of delivery: 2 off

7MF0810 -

7MF0811 -

7MF0812 -

- 0

- Wetted parts stainless steel with ECTFE coating

Range	Standard length
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")
201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")

F 1

F 2

F 3

F 4

F 5

- Wetted parts stainless steel with PFA coating

Range	Standard length
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")
201 ... 250 mm (7.91 ... 9.84")	250 mm (9.84")

D 1

D 2

D 3

D 4

D 5

- Wetted parts Monel 400

Range	Standard length
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")

G 1

G 2

G 3

G 4

- Wetted parts Hastelloy C276

Range	Standard length
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")

J 1

J 2

J 3

J 4

Pressure Measurement

Remote seals for pressure transmitters

SITRANS P320/P420

Diaphragm seals of flange design with flexible capillary

1

Selection and Ordering data		Article No.	Order code	Selection and Ordering data		Order code
Diaphragm seal				Further designs		
Flange type design, with flexible capillary tube, connected with flexible capillary tube to a				Add "-Z" to Article No. and specify Order code.		
<ul style="list-style-type: none"> SITRANS P320/P420 transmitter for gauge pressure or absolute pressure (only together with negative pressure service), 7MF03../7MF04.. order separately Scope of delivery: 1 off 		7MF0810 -		Factory certificates		
<ul style="list-style-type: none"> SITRANS P320/P420 transmitter for absolute pressure from differential pressure, 7MF03../7MF04.. order separately, Scope of delivery: 1 off 		7MF0811 -		Quality inspection certificate (Five-step factory calibration) to IEC 60770-2		C11
<ul style="list-style-type: none"> SITRANS P320/P420 transmitter for differential pressure and flow, 7MF03../7MF04.. order separately, Scope of delivery: 2 off 		7MF0812 -		Inspection certificate to EN 10204-3.1 - material of body and wetted parts		C12
				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
				Inspection certificate (EN 10204-3.1) - PMI test of pressure containing and wetted parts		C15
				Certificate of FDA-approved fill oil (to EN10204-2.2)		C17
				Functional safety (SIL2/3) Devices suitable for use according to IEC 61508 and IEC 61511 (Includes SIL conformity declaration)		C20
Wetted parts Tantalum				Accessories		
Range	Standard length			Spark arrester (for gauge and absolute pressure transmitters)		D61
20 ... 50 mm (0.79 ... 1.97")	50 mm (1.97")		K 1	Spark arrester (for differential pressure and flow transmitters)		D62
51 ... 100 mm (2.01 ... 3.94")	100 mm (3.94")		K 2	Low-temperature version (for Silicon Oil M50 only)		D67
101 ... 150 mm (3.98 ... 5.91")	150 mm (5.91")		K 3	Negative pressure services		
151 ... 200 mm (5.94 ... 7.87")	200 mm (7.87")		K 4	Negative pressure service (for gauge and absolute pressure transmitters) (only for 7MF0810)		D81
				Negative pressure service (for differential pressure transmitters)		D83
				Extended negative pressure service (for gauge and absolute pressure transmitters) (only for 7MF0810)		D85
				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

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

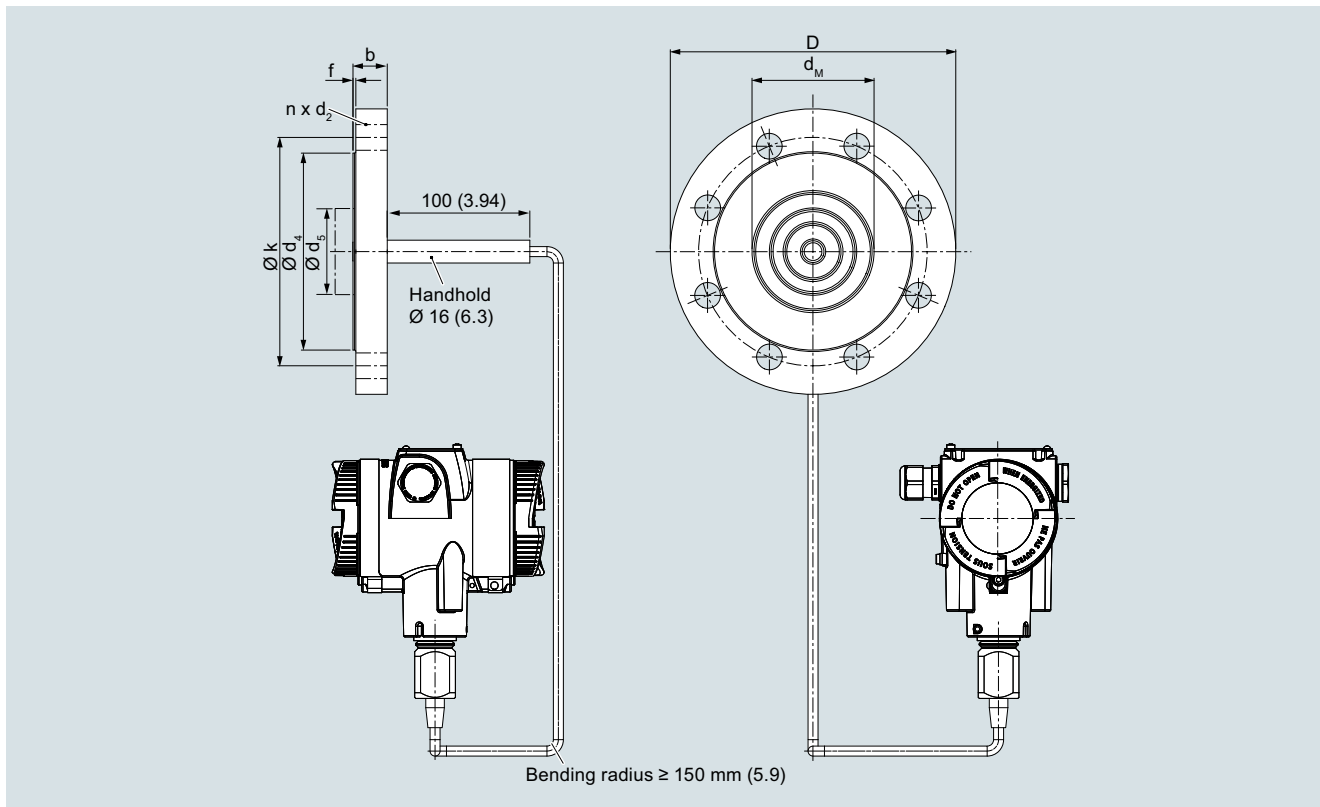
Diaphragm seals of flange design with flexible capillary

1

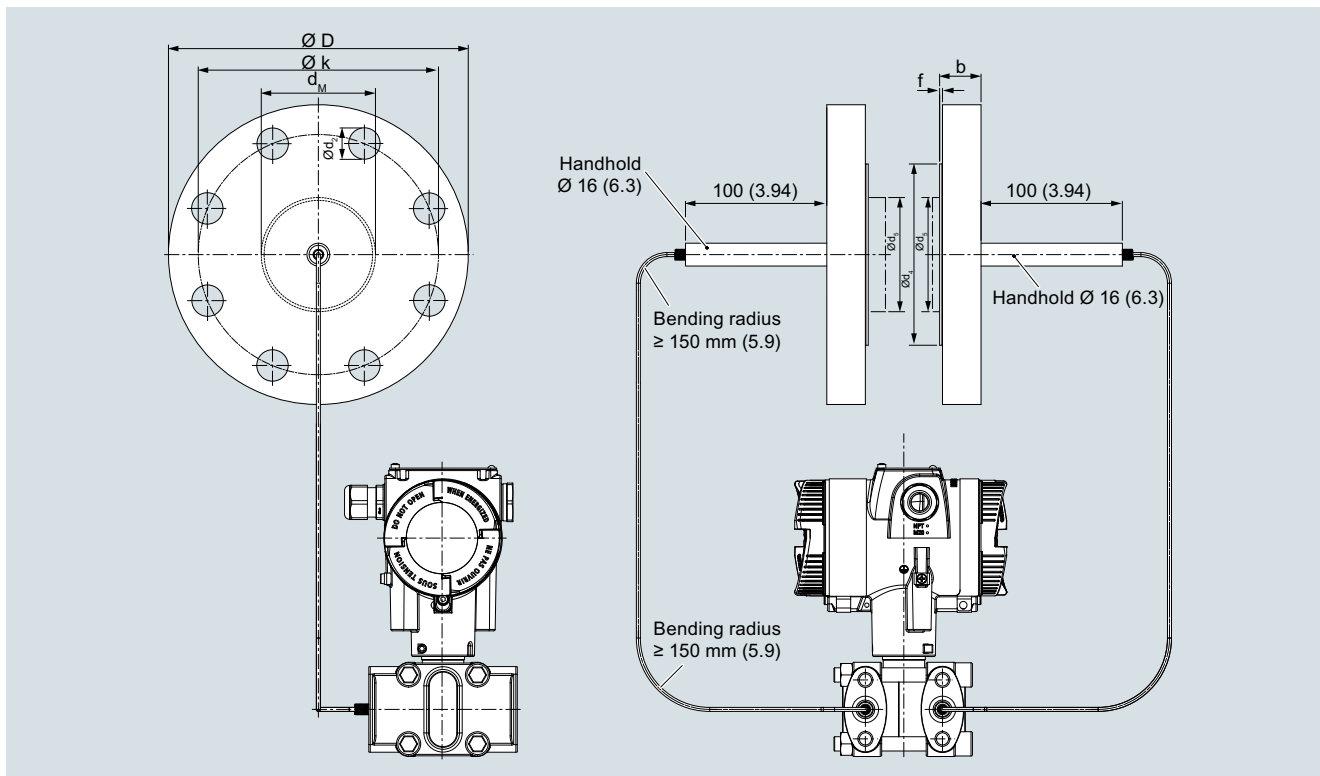
Selection and Ordering data	Order code	Selection and Ordering data	Order code
Further designs		Further designs	
Add "-Z" to Article No. and specify Order code.		Add "-Z" to Article No. and specify Order code.	
Sealing surface with recess to EN1092-1, form F (wetted parts 316L only)		<u>PVC protective tube</u>	
• DN 25	M82	1 m	S70
• DN 40	M83	1,6 m	S71
• DN 50	M84	2 m	S72
• DN 80	M85	2,5 m	S73
• DN 100	M86	3 m	S74
• DN 125	M87	4 m	S75
		5 m	S76
		6 m	S77
		7 m	S78
		8 m	S79
		9 m	S80
		10 m	S81
		11 m (only for 7MF0802)	S82
		12 m (only for 7MF0802)	S83
		13 m (only for 7MF0802)	S84
		14 m (only for 7MF0802)	S85
		15 m (only for 7MF0802)	S86
Capillary connection		Customer-specific tube length	
<u>For 7MF0810</u>		Customer-specific tube length (specify in plain text)	Y44
Radial capillary pipe outlet (for single-side mounting and capillary connection only)	S01	Specification of process conditions¹⁾	
Single-side mounted at differential pressure transmitters at high-side	S03	Ambient temperature range	
Single-side mounted at differential pressure transmitters at low-side	S04	• -10 ... +50 °C (14 ... +122 °F) preset	D66
<u>For 7MF0811</u>		• -40 ... +50 °C (-40 ... +122 °F)	D67
Radial capillary pipe outlet (for single-side mounting and capillary connection only)	S01	• -10 ... +85 °C (14 ... +185 °F)	D68
<u>For 7MF0812</u>		Process temperature min. ... °C/(°F)/max. ... °C/(°F)	Y50
Radial capillary pipe outlet (for double-side mounting)	S02		
Capillary coating			
<u>PE protective tube</u>			
1 m	S10		
1,6 m	S11		
2 m	S12		
2,5 m	S13		
3 m	S14		
4 m	S15		
5 m	S16		
6 m	S17		
7 m	S18		
8 m	S19		
9 m	S20		
10 m	S21		
11 m (only for 7MF0802)	S22		
12 m (only for 7MF0802)	S23		
13 m (only for 7MF0802)	S24		
14 m (only for 7MF0802)	S25		
15 m (only for 7MF0802)	S26		
<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		
11 m (only for 7MF0802)	S52		
12 m (only for 7MF0802)	S53		
13 m (only for 7MF0802)	S54		
14 m (only for 7MF0802)	S55		
15 m (only for 7MF0802)	S56		

¹⁾ See also "Specification of process conditions for selection and ordering data", page 1/338.

Dimensional drawings



Diaphragm seals of flange design with flexible capillary for connection to SITRANS P320/420 pressure transmitters for pressure, dimensions in mm (inch)



Diaphragm seals of flange design with flexible capillary for connection to SITRANS P320/420 pressure transmitters for absolute pressure or for differential pressure and flow, dimensions in mm (inch)

Pressure Measurement

Remote seals for pressure transmitters
SITRANS P320/P420

Diaphragm seals of flange design with flexible 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 25	PN 10/16/25/40	18	115	14	68	24.5	22.6	27	2	85	4	0, 50, 100, 150 oder 200 0, 50, 100, 150 oder 200
	PN 63/100	24	140	18	68	24.5	22.6	27	2	100	4	
	PN 160	24	140	18	68	24.5	22.6	27	2	100	4	
	PN 250	28	150	22	68	24.5	22.6	27	2	105	4	
DN 40	PN 10/16/25/40	16	150	18	88	38	30	42	2	110	4	
	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)
1 inch	150	0.71 (18)	4.33 (110)	0.61 (15.6)	2 (50.8)	0.96 (24.5)	0.89 (22.6)	1.18 (30)	0.08 (2)	3.13 (79.4)	4	0, 2, 3.94, 5.94 oder 7.87 (0, 50, 100, 150 oder 200)
	300	0.77 (19.5)	4.92 (125)	0.75 (19.1)	2 (50.8)	0.96 (24.5)	0.89 (22.6)	1.18 (30)	0.08 (2)	3.5 (88.9)	4	
	600	0.96 (24.5)	4.92 (125)	0.75 (19.1)	2 (50.8)	0.96 (24.5)	0.89 (22.6)	1.18 (30)	0.28 (7)	3.5 (88.9)	4	
	1500	1.4 (35.6)	5.91 (150)	1 (25.4)	2 (50.8)	0.96 (24.5)	0.89 (22.6)	1.18 (30)	0.28 (7)	4 (101.6)	4	
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	
	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 with flexible 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