

Diaphragm seal

Flange design, with flexible capillary, connected to a pressure transmitter SITRANS P (order separately):

- for pressure** 7MF403-... and 7MF423-... together with Order code "V01" (vacuum-proof design) and 7MF802-...¹⁾; scope of delivery: 1 off D) **7MF4920 -**
- for absolute pressure** 7MF433-...; scope of delivery: 1 off D) **7MF4921 -**
- for differential pressure and flow** 7MF443-... and 7MF54-...; scope of delivery: 2 off D) **7MF4923 -**

1 ■■■■ - ■ B ■■■

Nominal diameter and nominal pressure

• DN 50	PN 10 ... 40	A		
	PN 100	B		
(DN 50 recommended only for pressure transmitters for pressure)				
• DN 80	PN 10 ... 40	D		
	PN 100	E		
• DN 100	PN 16	G		
	PN 40	H		
• DN 125	PN 16	J		
	PN 40	K		
• 2 inch	Class 150	L		
	Class 300	M		
	Class 600	N		
	Class 1500	P		
(2 inch recommended only for pressure transmitters for pressure)				
• 3 inch	Class 150	Q		
	Class 300	R		
	Class 600	S		
• 4 inch	Class 150	T		
	Class 300	U		
	Class 400	V		
• 5 inch	Class 150	W		
	Class 300	X		
	Class 400	Y		
Smooth sealing face to EN 1092-1, form B1 or to ASME B16.5 RF 125 ... 250 AA				
Other version				
Add Order code and plain text:				
Nominal diameter: ...; Nominal pressure: ...				
Sealing face: See "Technical data"				

Wetted parts materials

• Stainless steel 316L		A		
- without coating		E 0		
- with PTFE coating		F		
- with ECTFE coating ²⁾		D		
- with PFA coating		G		
• Monel 400, mat. No. 2.4360		J		
• Hastelloy C276, mat. No. 2.4819		U		
• Hastelloy C4, mat. No. 2.4610		K		
• Tantalum		Z		K 1 Y
Other version				
Add Order code and plain text:				
Wetted parts materials: ...				

Tube length

• without tube		0		
Other version:				
Add Order code and plain text:				
Tube length: ...				

Diaphragm seal

Flange design, with flexible capillary, connected to a pressure transmitter SITRANS P (order separately):

- for pressure** 7MF403-... and 7MF423-... together with Order code "V01" (vacuum-proof design) and 7MF802-...¹⁾; scope of delivery: 1 off D) **7MF4920 -**
- for absolute pressure** 7MF433-...; scope of delivery: 1 off D) **7MF4921 -**
- for differential pressure and flow** 7MF443-... and 7MF54-...; scope of delivery: 2 off D) **7MF4923 -**

1 ■■■■ - ■ B ■■■

Filling liquid

• Silicone oil M5		1		
• Silicone oil M50		2		
• High-temperature oil		3		
• Halocarbon oil (for measuring O ₂) ³⁾		4		
• Glycerin/water ⁴⁾		6		
• Food oil (FDA listed)		7		
Other version		9		M 1 Y
Add Order code and plain text:				
Filling liquid: ...				

Length of capillary⁵⁾

• 1.0 m	(3.28 ft)	2		
• 1.6 m	(5.25 ft)	3		
• 2.5 m	(8.20 ft)	4		
• 4.0 m	(13.1 ft)	5		
• 6.0 m	(19.7 ft)	6		
• 8.0 m	(26.25 ft)	7		
• 10.0 m	(32.8 ft)	8		
Other version		9		N 1 Y
Add Order code and plain text:				
Length of capillary: ...				

Further designs

Please add **"-Z"** to Order No. and specify Order code. Order code

Spark arrester

With spark arrester for mounting on zone 0 (including documentation) for transmitters for

- pressure and absolute pressure **A01**
- differential pressure **A02**

Certificate to EN 10204-2.2

For certification of oil - and grease-free cleaned and packed version for oxygen and summer applications in which only inert filling liquid may be used. (Only in conjunction with halocarbon oil fill fluid) **E10**

Quality inspection certificate (Five-step factory calibration) to IEC 60770-2

Inspection certificate **C12**
to EN 10204, section 3.1

Functional safety certificate ("SIL 2") to IEC 61508 **C20**

(Only in conjunction with the order code "C20" in the case of SITRANS P DSIII transmitter)

Functional safety certificate ("SIL 2/3") to IEC 61508 **C23**

(Only in conjunction with the order code "C23" in the case of SITRANS P DSIII transmitter)

Vacuum-proof design

for use in low-pressure range for transmitters for

- pressure **V01**
- differential pressure **V03**

1) With 7MF802-... and the measuring cells Q, S, T and U also order the vacuum-tight version.
 2) For vacuum on request.
 3) Oil- and grease- free cleaning to DIN 25410, level 2 and packaging included in the scope of delivery.
 4) Not suitable for use in low-pressure range.
 5) Max. capillary length, see section "Technical description".
 D) Subject to export regulations AL: N, ECCN: EAR99H.