

Check List Pressure Measuring Instruments with Chemical Seal

Inquiry- / Project- / Order-No.	Name / Address / Phone / E-Mail	Date
Application (short description)		Quantity
Pressure measuring instrument/Electrical accessories if applicable (ordering information)		

Please note: A mounting device for the measuring instrument is required for chemical seal mountings with capillary line:
 Gauge holder bracket with distance 60 mm (2.36") 100 mm (4") 160 mm (6") aluminum black stainless steel
 front flange for panel mounting
 back flange for surface mounting

Chemical Seal

<input type="checkbox"/> Diaphragm seal (MDM)	<input type="checkbox"/> In-line seal (RDM)	<input type="checkbox"/> Capsule seal (TDM)
Model	
Installation to Ex Zone 0	<input type="checkbox"/> yes (with Adapt FS acc. to data sheet 11001)	<input type="checkbox"/> no
Process connection DN PN	
For RDM	suitable for internal tube diameter mm	
For MDM with extension tube	extension tube length mm	
Medium	<input type="checkbox"/> gaseous	<input type="checkbox"/> liquid <input type="checkbox"/> viscous <input type="checkbox"/> abrasive
Material of the wetted parts	<input type="checkbox"/> standard, according to data sheet <input type="checkbox"/> special material:	
Max. operating pressure	static bar / dynamic from to bar / frequency Hz	
Can vacuum occur?	<input type="checkbox"/> yes, smallest absolute pressure mbar at a temperature of °C	
	<input type="checkbox"/> no	
Operating temperature (t_A)	medium °C constant, or min. °C / max. °C	
	dial inscription t _A = °C (will be calibrated)	
Cleaning temperature (t_R)	at chemical seal max. °C / cleaning duration h	
Ambient temperature (t_{UD})	at pressure measuring instrument °C constant, or min. °C / max. °C	
Ambient temperature (t_{UP})	at capillary line °C constant, or min. °C / max. °C	
Outdoor use	<input type="checkbox"/> yes <input type="checkbox"/> no	
Filling liquid	<input type="checkbox"/> selection according to above stated temperature specifications	
	further requirements: <input type="checkbox"/> for oxygen <input type="checkbox"/> for chlorine <input type="checkbox"/> silicone-free	
	<input type="checkbox"/> food compatible <input type="checkbox"/> FDA approved	
	others:	
Certificate	<input type="checkbox"/> 3.1 according to DIN EN 10 204 for wetted parts <input type="checkbox"/> no others:	
Accessories	(e.g. process connection pieces, flushing ring etc.)	
Mounting	see page 2	



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Mounting according to drawing no.:

Ref. drawing 16 – 21 capillary line length L = m H = m

with PE-coating spiral protection hose other specialty:

Ref. drawing 1 – 15 cooling element yes, KEIRv up to +300 °C (+572 °F), length 100 mm (4") specialty

Mounting drawings for differential pressure gauges for level and flow-through measurement see additional form.

Direct Mounting Diaphragm Seals (MDM)

Drawing 1	Drawing 2	Drawing 3	Drawing 4	Drawing 5
bottom connection	connection 9 o'clock	connection 12 o'clock	connection 3 o'clock	back connection

Direct Mounting In-line Seals (RDM)

Drawing 6	Drawing 7	Drawing 8	Drawing 9	Drawing 10
Drawing 11	Drawing 12	Drawing 13	Drawing 14	Drawing 15

MDM Mounting with Capillary Line

RDM Mounting with Capillary Line

Drawing 16	Drawing 17	Drawing 18	Drawing 19	Drawing 20	Drawing 21

In the drawings 16 to 21 for mounting with capillary line, only measuring instruments with bottom connection at 6 o'clock are depicted. However, if you require any other connection position of the measuring instrument, please combine the drawings!

Example: pressure gauge with **back** connection, mounted 3 m (9.84') **above** an in-line seal, capillary line length 5 m (16.4')

➔ **Description:** mounting according to drawing no. 15, 19, capillary line length L = 5 m, H = 3 m

Important Information Concerning the Mounting with Capillary Line

➔ If vacuum occurs or might occur, the pressure measuring instrument needs to be mounted at least 40 cm (9.84") below the chemical seal (drawing 17 for MDM, drawing 20 for RDM).

➔ The measuring instrument requires a mounting device if it is mounted with a capillary line (cf. top of page 1).

Specifics: instruments are being autoclaved at +130 °C (+266 °F) at the customer's site

required control volume for the mounting of external brands:

others:

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