Questionnaire for Diaphragm Seals
Pressure Measuring Instruments with Diaphragm Seals

Company | Date

Address | Department

Name | Fax

Telephone | E-mail

Process conditions

Application / Measuring requirement

Pressure limitation max. bar

Does vacuum occur? yes / no if yes, min. absolute pressure mbar at temperature °C

Process temperature from to °C

Ambient temperature, pressure gauge from to °C

Pressure measuring instrument details

☐ Pressure gauge or ☐ Transmitter

Model Nominal size	Model
Pressure range	Pressure range
Connection position bottom / back	Signal output
Alarm contact, model	Wiring details

Diaphragm seal details

Model

Threaded process connection, female thread male thread

Flanged process connection, standard Nominal size Pressure rating Sealing face

Sterile process connection, standard Nominal size Pressure rating

☐ with union nut (standard for diaphragm seal) ☐ with male thread (standard for diaphragm in-line seal)

Suitable material of wetted parts

Instrument connection on diaphragm seal

Direct mounting (measuring instrument directly mounted to diaphragm seal) ? yes / no

Cooling tower between diaphragm seal and measuring instrument? yes / no

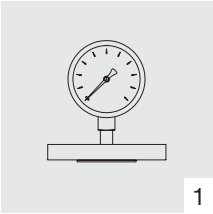
Mounting via capillary? yes / no if yes, length metres

See also overleaf for type of mounting (No. 1 to 14, or D to F)

Special features, special requirements

An optimal selction and calculation is only possible if the questionnaire is completed in full. Please delete where not applicable.

Diaphragm seal mounting to drawing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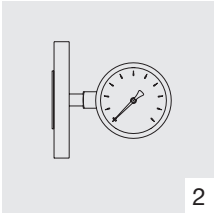
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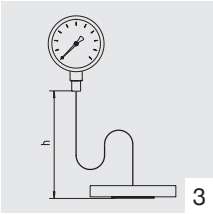
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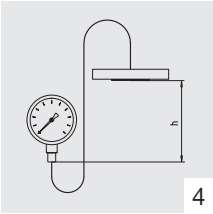
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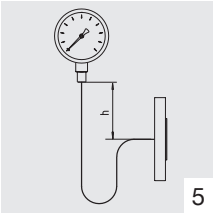
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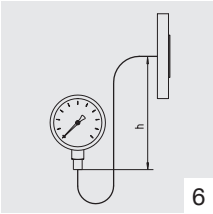
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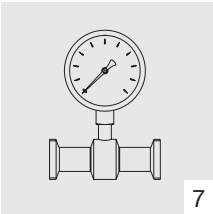
Diaphragm in-line seal direct mounting to drawing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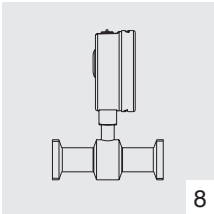
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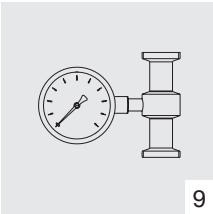
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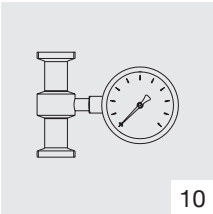
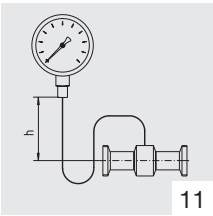

10

Diaphragm in-line seal mounting via capillary to drawing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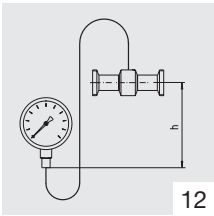
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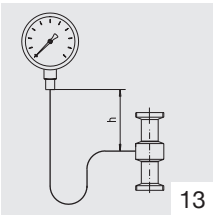
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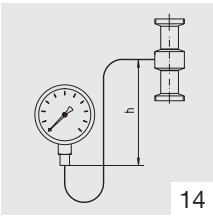

14

State mounting height for drawings 3 to 6 or 11 to 14 respectively

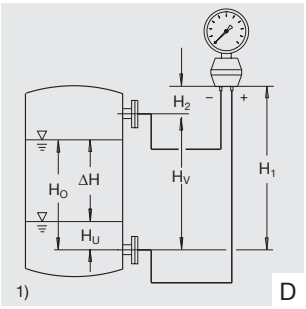
h = ... mm

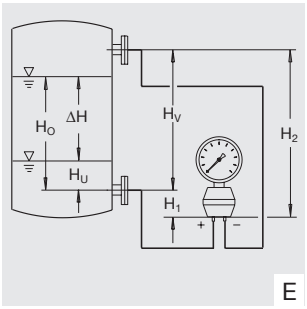
Mark type of mounting with „x“

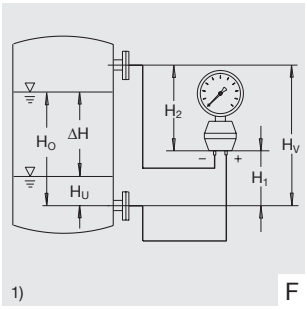
Level measurement

Types of mounting

Please mark with „x“! D E F







1) H_1 up to max. 7 m when using oil as fill fluid.
H_1 up to max. 4 m when using halocarbon oil as fill fluid.
No vacuum must occur.

Dimensions per mounting drawings

Diaphragm seal distance from flange centre to flange centre (port spacing)	H_V = ... mm
Top level (measurement range end reading)	H_O = ... mm
Bottom level (measurement range start reading)	H_U = ... mm
Distance between pressure gauge reference level and centre of flange or raised face of ⊕ side	H_1 = ... mm
Distance between pressure gauge reference level and centre of flange or raised face of ⊖ side	H_2 = ... mm

As a general rule readjustment is recommended after fitting (zero point correction).

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