

Check List Differential Pressure Gauges with Chemical Seals

Inquiry- / Project- / Order-No.

Name / Address / Phone / E-Mail

Application (short description)

Quantity

Pressure measuring instrument / if applicable electrical accessories (ordering code resp. description of the instrument)

Attention please! A mounting device is required for systems with capillary line:

- Gauge holder bracket 60 mm (2.36") 100 mm (3.94") 160 mm (6.3") aluminum black stainless steel
 front flange for panel mounting
 back flange for surface mounting

Chemical Seal

Diaphragm seal (MDM)

In-line seal (RDM)

Models

+ side: – side:

Installation to Ex-Zone 0

yes (with Adapt FS according to data sheet 11001) no

Process connection

..... DN: PN:

for RDM

suitable for tube diameter mm

for MDM with extension

length of extension tube mm

Medium

gaseous liquid viscous abrasive

if pressure range is not known, density ρ g / cm³

Material of wetted parts

standard, according to data sheet special material:

max. differential pressure

..... bar

max. static pressure

..... bar

required overrange

one-sided double-sided bar

protection of the instrument

Could vacuum occur?

yes, smallest absolute pressure mbar no

at temperature °C

Working 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 / duration of cleaning h

Ambient temperature (t_{UP})

at differential pressure measuring instrument °C constant, or min. °C / max. °C

Ambient temperature (t_{UF})

at capillary lines °C constant, or min. °C / max. °C

Outdoor use

yes no

Filling fluid

selection according to above stated temperatures

further requirements: for oxygen for chlorine silicone-free

food compatible FDA approved

others:

Continuation on page 2



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Certificate 3.1 according to EN 10204 for wetted parts no others:

Accessories (e.g. process connection pieces, flushing ring etc.)

Mounting according to drawing no.:

length of capillary line¹⁾ $L_1 + \text{side} = L_2 - \text{side}$: m $L_1 \neq L_2$ only upon request: $L_1 =$ m $L_2 =$ m

PE-cover flexible armour other specifics:

height difference $H_1 + \text{side}$ m $H_2 - \text{side}$ m

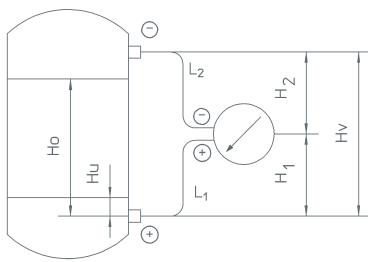
level height H_u min: m H_o max: m

distance of connection pieces H_v : m

¹⁾ Please note: length of capillary line L_1 / L_2 has to be larger than H_1 / H_2

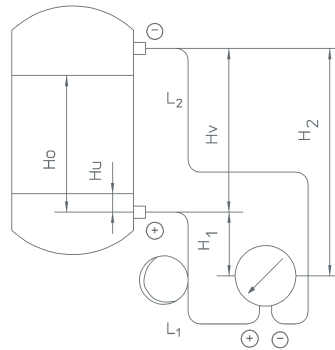
Level Measurement

Drawing 22



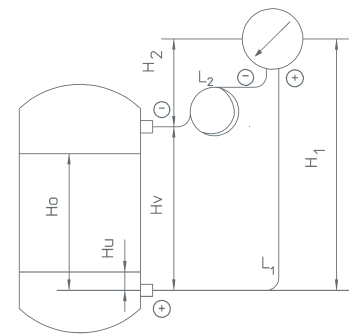
Measuring instrument centric between the connection pieces

Drawing 23



Measuring instrument below lower connection piece

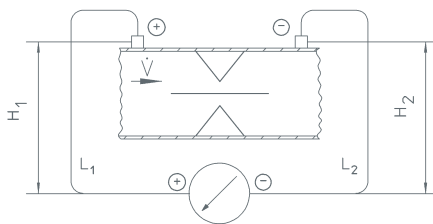
Drawing 24



Measuring instrument above upper connection piece

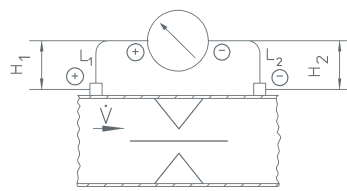
Level Measurement

Drawing 25



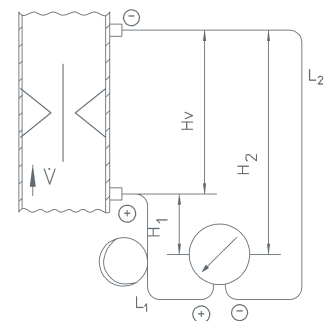
Horizontal flow measurement, measuring instrument below pipeline

Drawing 26



Horizontal flow measurement, measuring instrument above pipeline

Drawing 27



Vertical flow measurement, measuring instrument below lower connection piece

Important notes for mounting with capillary line

➔ If vacuum occurs or possibly could occur, the pressure measuring instrument has to be mounted at least 40 cm (15.75") below the chemical seal (drawings 23 or 27 only!)

➔ The pressure measuring instrument requires a mounting device if it is connected with a capillary line (compare page 1, first paragraph).

➔ H_1 max. height 7 m (22.97 ft) for oil filling
 H_1 max. height 4 m (13.12 ft) for holocarbon oil filling

Specifics:

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