

# Capillary Lines

## Accessories for diaphragm seals and in-line seals

FLv

FL

### Standard Versions

Information on applications, features, metrological influences such as temperature and level difference of our capillary lines can be found in model overview 7000.

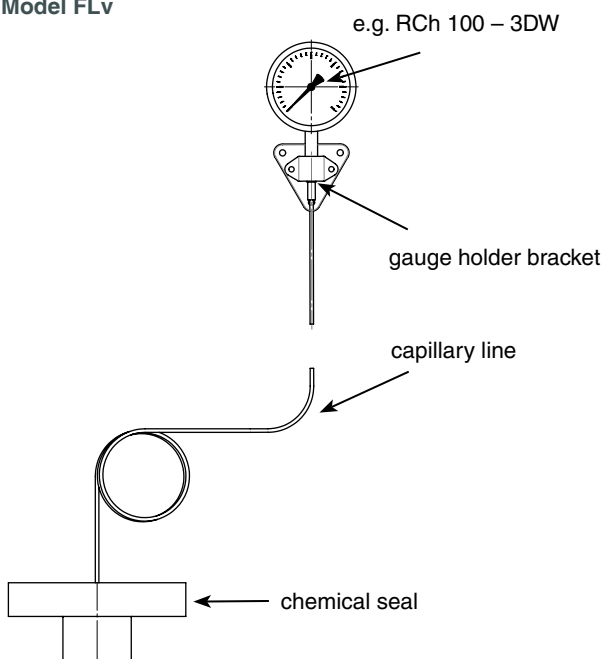
#### Application

Capillary lines at chemical seals are applied to separate the pressure measuring instrument from the measuring point in case of high medium temperatures or to install it at a suitable place in case of unfavourable installation conditions at the measuring point. Pressure gauge/chemical seal combinations with capillary line for NCS  $\geq 100$  and wetted parts -3 are supplied with welded capillary line as standard. For all other instruments, the capillary line is screwed to the measuring instrument.

A mounting device is required for systems with capillary line, e.g. gauge holder bracket, back flange for surface mounting or front flange or u-clamp for panel mounting for pressure gauges.

#### Construction

##### Model FLv



#### Material

Capillary line: stainless steel 316L (1.4404)

Connection adapter: stainless steel 316Ti (1.4571)

#### Diameter x Wall Thickness Capillary Line

4 x 1 mm (0.16 x 0.04")

#### Bending Radius Capillary Line

Min. 150 mm (5.91")

#### Spiral Protection Hose

Stainless steel

External  $\varnothing$  7 mm (0.28")



#### Instrument Connection

FLv: 8 mm (0.31") welding connection with adapter ring for gauge holder bracket

FL: G 1/2 female thread with fitting for gauge holder bracket

#### Process Connection

Welded

Length: 0.5 m - 10 m in 0.5 metre increments

#### Nominal Pressure

PN 400 bar (at +20 °C up to PN 600)

### Mounting/Filling

Information on mounting and filling are available upon request.

### Special Versions

- Other instrument connection
- Screwed to chemical seal and/or measuring instrument
- Spiral protection hose with PE cover
- Deviating capillary line lengths
- Capillary line 3 x 1 mm (0.12 x 0.04"), ordering code: FL3 (screwed), FLv3 (welded)

### Ordering Information

Model (if explicitly requested):

- **FLv** (capillary line welded)
- **FL** (capillary line screwed)
- **FLv3** (capillary line  $\varnothing$  3 mm welded)
- **FL3** (capillary line  $\varnothing$  3 mm screwed)



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06/17