



Main Features

- Pressure range from 10 mbar to 100 bar
- Temperature -40 °C to +400 °C
- Threaded connection
- Stainless steel 1.4404 NACE
- Optimized for assembly with transmitters

Applications

- Oil & Gas / Chemical
- Water / Waste water
- Energy
- Process technic

Technical Data

Measurement ranges	Gauge or differential pressure: 10 mbar min. Absolute pressure: 50 mbar min.
Temperature	-40 °C ... +400 °C
Filling liquids	Special high temperature or vacuum
Capillary	1.5 to 15 m
Process connection	G 1/2 or 1/2 NPT male or female
Maximum pressure	In compliance with the pressure/temperature rating of flange class 600, EN 1759-1 for stainless steel 1.4404

Material

Flange	Hot-rolled 1.4404 stainless steel EN10088-3 Compliant with NACE MR 0103 or MR 0175
Diaphragm	Stainless steel (1.4435) or Hastelloy C276 (2.4819) Active diameter 95 mm
Sealing joint	Graphite
Screws	8 screws, M10 x 35, Stainless steel A4-80
Capillary	Length 1.5 - 3 - 4.5 - 6 - 9 - 12 and 15 meters Stainless steel capillary tube and protection White plastic outer sheath UL94V0
Lower part	Hot-rolled 1.4404 stainless steel EN10088-3 Compliant with NACE MR 0103 or MR 0175
Filling liquid	LRS4: -20...60°C (for oxygen) LRS8: 0...300°C (for vacuum and absolute pressure) LRS9: -40...400°C (high temperature oil) Other liquids on request

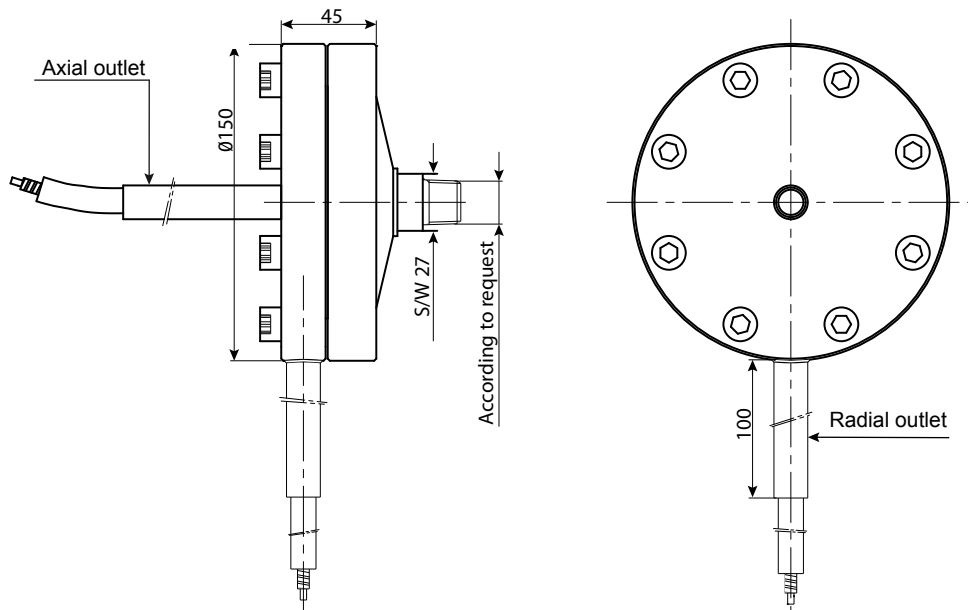
CE conformity

PED 97/23/CE	Article 3.3
ATEX 94/9/CE	Ex II 2 GD c (the associated transmitter must comply with the ATEX zone where it is used).

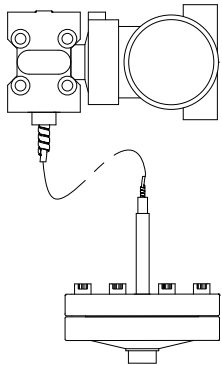
Materials

	• 0393 mounting on high pressure side (HP) ¹⁾ • 0385 mounting on low pressure side (LP) ¹⁾ ¹⁾ Only for differential transmitters with : - only 1 seal mounted - 2 different seals mounted on LP and HP side
Capillary	• Capillary with low-temperature controlled electric heat tracing • Decrease in effects of outside temperature : at -40 °C capillary tube temperature over +30 °C at +40 °C capillary tube temperature below +60 °C • Approx. Ø 25 mm heat insulation • Sealed outer sheath
Oxygen application	Option 0765 (filling oil LRS4 imperative)

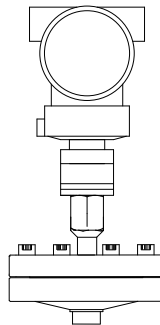
Dimensions (mm)



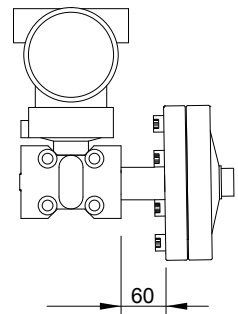
Types of mounting



Mounting with capillary
Fig. 1



Direct mounting with thread
Fig. 2



Direct welded mounting
Fig. 3

Ordering details D911

D911	-			.			.				
Model											
Diaphragm seal with threaded process connection											
Upper part material											
Hot-rolled NACE compliant 1.4404 stainless steel EN10088-3											
Forged NACE compliant 1.4404 st. steel											
Capillary type											
Direct mounting (see Fig. 2 and 3 page 2)											
St. steel tube and protection											
St. steel tube and protection and white plastic ATEX sheath											
St. steel tube and reinforced protection											
St. steel tube and protection, heat-insulated											
St. steel tube and protection, traced/heat-insulated											
Outlet position											
Axial outlet											
Side outlet ⁽¹⁾											
Capillary length											
Without (direct mounting)											
1.5 m											
3 m											
4.5 m											
6 m											
9 m											
12 m											
15 m											
Instrument connection ⁽²⁾											
G1/2 Female (Except Fig. 3)											
1/2NPT Female (Except Fig. 3)											
For ABB 265 DR (D)											
For ABB 265 GR - 265 VS (G)											
For Honeywell STD 1xx and 9xx (D)											
For Honeywell STG 944 and 974 (G)											
For Honeywell STG 140, 170 and 180 (G)											
For Honeywell STA 140 and 940 (A)											
For SIEMENS SITRANS differential (D)											
For SIEMENS SITRANS Gauge/Absolute (G/A)											
For YOKOGAWA EJX110 (low volumes) capsules M, H, V (D)											
For YOKOGAWA EJX430 (low volumes) (G)											
For YOKOGAWA EJX110 (standard flanges) capsules M, H, V (D)											
For YOKOGAWA EJX 310/430 (standard flanges) (A) (G)											
For YOKOGAWA EJX 440 (standard flanges) (G)											
Filling liquids											
LRS4 fluorocarbhone oil ⁽³⁾											
LRS8 vacuum oil											
LRS9 high temperature oil											
Diaphragm material											
St. steel 316L (1.4435)											
Hastelloy C276 (2.4819)											
St. steel 316L (1.4435) (P < 25 mbar)											
Hastelloy C276 (2.4819) (P < 25 mbar)											
Diaphragm coating											
No coating											
Gold 15 µm											
Lower part material											
Hot-rolled NACE compliant 1.4404 stainless steel EN10088-3											
Process connection											
G1/2 male											
1/2NPT male											
G1/2 female											
1/2NPT female											

⁽¹⁾ Not for direct mounting

⁽²⁾ Type of transmitter : D=Differential / G=Gauge/ A=Absolute

⁽³⁾ LRS4 must be used for option "oxygen cleanliness"