



### 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

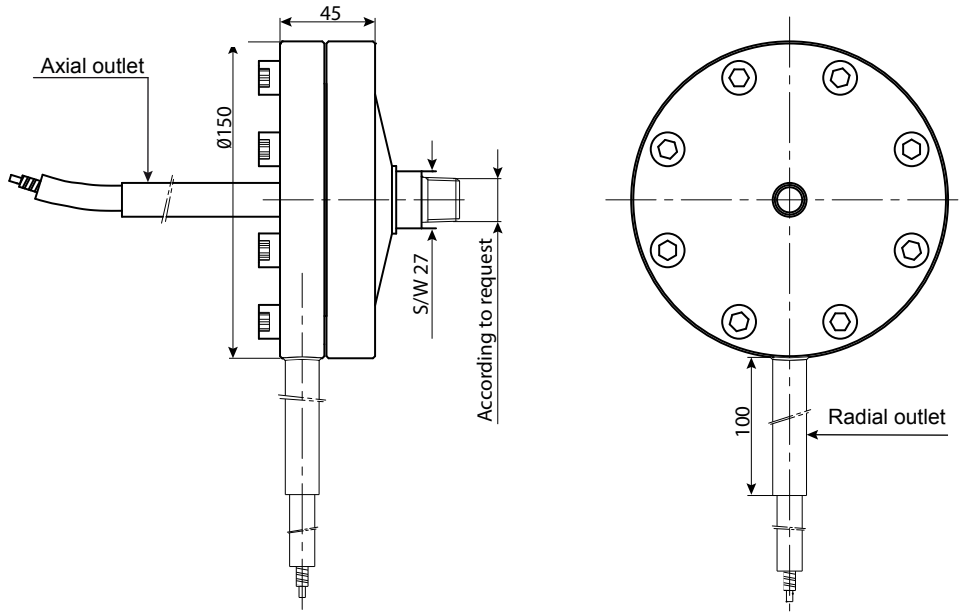
### CE conformity

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).

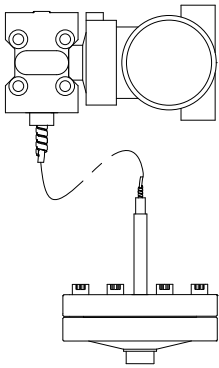
### Materials

	<ul style="list-style-type: none"> <li>• 0393 mounting on high pressure side (HP) <sup>1)</sup></li> <li>• 0385 mounting on low pressure side (LP) <sup>1)</sup></li> </ul> <p><sup>1)</sup> Only for differential transmitters with :</p> <ul style="list-style-type: none"> <li>- only 1 seal mounted</li> <li>- 2 different seals mounted on LP and HP side</li> </ul>
Capillary	<ul style="list-style-type: none"> <li>• Capillary with low-temperature controlled electric heat tracing</li> <li>• Decrease in effects of outside temperature : at -40 °C capillary tube temperature over +30 °C at +40 °C capillary tube temperature below +60 °C</li> <li>• Approx. Ø 25 mm heat insulation</li> <li>• Sealed outer sheath</li> </ul>
Oxygen application	Option 0765 (filling oil LRS4 imperative)

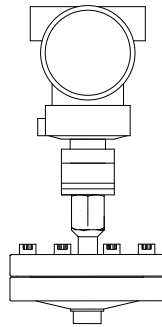
**Dimensions (mm)**



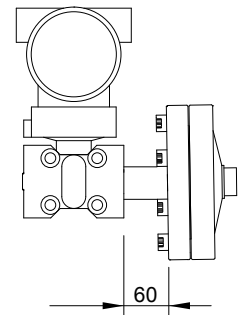
**Types of mounting**



Mounting with capillary  
Fig. 1



Direct mounting with thread  
Fig. 2



Direct welded mounting  
Fig. 3

### Ordering details D911

D911	-			.		.				
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<b>Model</b>	Diaphragm seal with threaded process connection	D911	-			.		.				
<b>Upper part material</b>	Hot-rolled NACE compliant 1.4404 stainless steel EN10088-3										L	
	Forged NACE compliant 1.4404 st. steel										M	
<b>Capillary type</b>	Direct mounting (see Fig. 2 and 3 page 2)											1
	St. steel tube and protection											A
	St. steel tube and protection and white plastic ATEX sheath											D
	St. steel tube and reinforced protection											F
	St. steel tube and protection, heat-insulated											M
	St. steel tube and protection, traced/heat-insulated											P
<b>Outlet position</b>	Axial outlet											0
	Side outlet <sup>(1)</sup>											1
<b>Capillary length</b>	Without (direct mounting)											0
	1.5 m											E
	3 m											3
	4.5 m											F
	6 m											6
	9 m											9
	12 m											D
	15 m											G
<b>Instrument connection <sup>(2)</sup></b>	G1/2 Female (Except Fig. 3)											L
	1/2NPT Female (Except Fig. 3)											N
	For ABB 265 DR (D)											H
	For ABB 265 GR - 265 VS (G)											J
	For Honeywell STD 1xx and 9xx (D)											A
	For Honeywell STG 944 and 974 (G)											D
	For Honeywell STG 140, 170 and 180 (G)											E
	For Honeywell STA 140 and 940 (A)											G
	For SIEMENS SITRANS differential (D)											7
	For SIEMENS SITRANS Gauge/Absolute (G/A)											8
	For YOKOGAWA EJX110 (low volumes) capsules M, H, V (D)											F
	For YOKOGAWA EJX430 (low volumes) (G)											V
	For YOKOGAWA EJX110 (standard flanges) capsules M, H, V (D)											P
	For YOKOGAWA EJX 310/430 (standard flanges) (A) (G)											Q
	For YOKOGAWA EJX 440 (standard flanges) (G)											W
<b>Filling liquids</b>	LRS4 fluorocarbhone oil <sup>(3)</sup>											4
	LRS8 vacuum oil											8
	LRS9 high temperature oil											9
<b>Diaphragm material</b>	St. steel 316L (1.4435)											2
	Hastelloy C276 (2.4819)											6
	St. steel 316L (1.4435) (P < 25 mbar)											C
	Hastelloy C276 (2.4819) (P < 25 mbar)											D
<b>Diaphragm coating</b>	No coating											0
	Gold 15 µm											7
<b>Lower part material</b>	Hot-rolled NACE compliant 1.4404 stainless steel EN10088-3											L
<b>Process connection</b>	G1/2 male											3
	1/2NPT male											6
	G1/2 female											L
	1/2NPT female											N

<sup>(1)</sup> Not for direct mounting

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

<sup>(3)</sup> LRS4 must be used for option "oxygen cleanliness"