

## 2.4 Mounting the sensors

### 9113s sensor

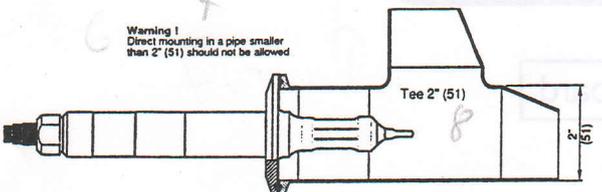
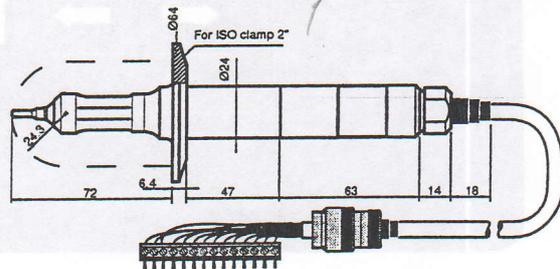
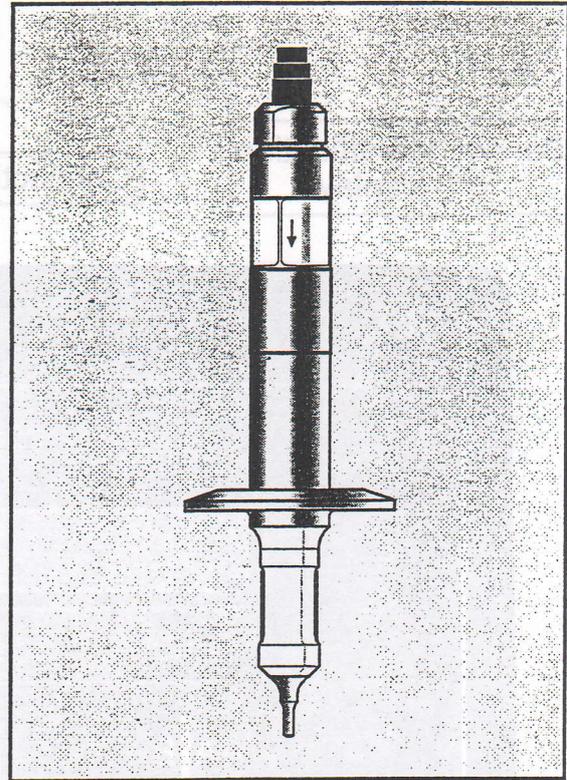
#### Sanitary open type for ultrapure injection water

4-electrode conductivity sensor with external electrodes to be used with monitors series 2901, 2902, 2911, 2912 (and 900-1900). For mounting with a 2" ISO 2852 clamp (not included). This s-version is equipped with electropolished "wet parts" for applications in the pharmaceutical industry.

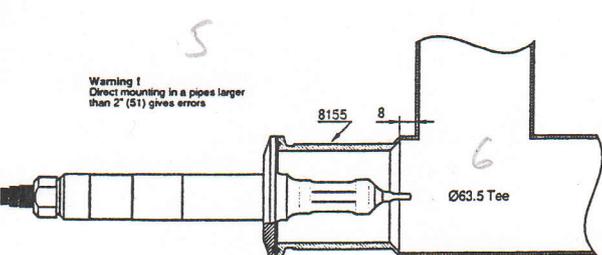
#### Technical data

- Materials:** Sensor of PTFE, silicone rubber and AISI 316L steel. Flange and cable connection of AISI 316L.
- Surface treatment:** Electropolished flange, electrodes and sensortip.
- Max. temp.:** 150°C.
- Max. pressure:** 20 bar.
- Temp. sensor:** Pt 1000.
- Cell constant:** 1.0 ± 0.5% (electrically adjusted).  
The 9113s sensor has been calibrated in a Ø2" (51) mm pipe.  
Ø2 1/2" (63) pipe gives errors of -6%.  
Plastic pipe gives errors of 25% to 30%.
- Reproduceability:** ± 2%
- Linearity:** From 10 000 to 0.2 µS/cm ± 2% per decade. Below 5 µS/cm + 0.01 µS/cm.
- Time delay:** T<sub>90</sub>, 9 sec.
- Protection:** IP65 splash-proof (DIN 40 050) NEMA4.
- Sensor cable:** PVC 16 x 0.25 mm<sup>2</sup> screened, standard length 5 metres, max. temp. 70°C.
- Connection:** 14-pole strip connector with PG13.5 cable adaptor.
- Weight:** 1.0 kgs.

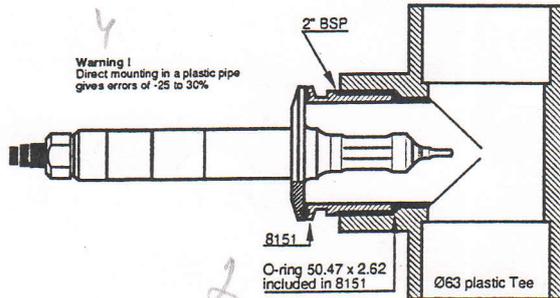
Dimensions in inches (mm).



Warning !  
Direct mounting in a pipe smaller than 2" (51) should not be allowed



Warning !  
Direct mounting in a pipes larger than 2" (51) gives errors



Warning !  
Direct mounting in a plastic pipe gives errors of -25 to 30%

8151  
O-ring 50.47 x 2.62 included in 8151

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