



a xylem brand

Installation instructions

ESS-WA 700/...

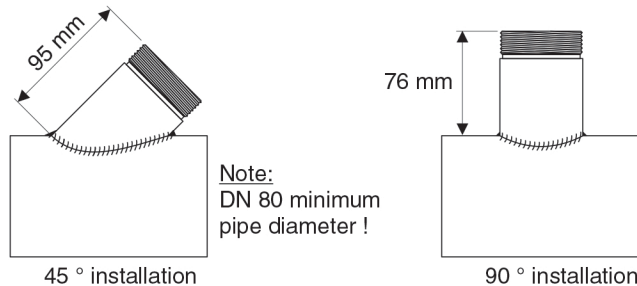


Warning

Improper welding of the welding socket can lead to severe injury of personnel and damage to property. Note the following points in this regard:

- Only allow trained qualified personnel to carry out mounting activities.
- Only carry out welding activities when the armature has been unscrewed. The effect of heat could damage the armature.
- Provide sufficient corrosion protection, depending on the material and operating conditions (e. g. rehandle the welded joint professionally, paint surfaces).

Mounting sketch/ installation depth



The installation depths given in the mounting sketch are valid for all sensors.



Note

The position of the sensor in the container or pipe possibly affects its function. For an optimum function, we recommend to meet certain criteria for each sensor type (e. g. mounting angle, flow direction, minimum distance from walls). You can find these recommendations in the installation manual of the sensor-specific sensor adapter. Apart from this, take into consideration the space required by the armature to be mounted and make sure it is easily accessible to operating and maintenance personnel.

Technical data

Operating pressure

Pressure difference
 $P_{inner} - P_{outer}$

Min.	-9·10 ⁴ Pa (0.9 bar negative pressure)
Max.	+10 ⁶ Pa (10 bar overpressure)

Operating temperature

0 ... +60 °C (32 ... 140 °F), frost-free

Dimensions

Total length	110 mm
Outside diameter	60.5 mm
Connection thread	G2" external thread

Material

Model	Material
ESS-WA 700/VA	Stainless steel 1.4571
ESS-WA 700/ST	Steel St 33

Minimum size of pipe/container

Pipe diameter DN 80, or a distance of 80 mm to the wall opposite.