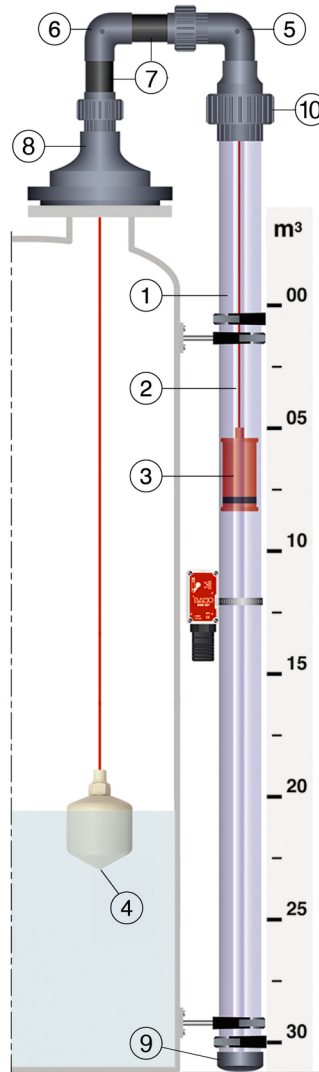


# Gas-tight cable and pulleys level Indicator SFA/E

## PACKING DETAILS



- 1/ 1 Measuring tube, transparent PVC, O.D. 63 mm
- 2/ 1 red magnetic counterweight, PVC, O.D. 50 mm for tube Ø 63x57
- 3/ 1 PP rope 5 m long (or else) Ø 3 mm
- 4/ 1 PPH float O.D. 98 mm; Min. S.G. 0.94
- 5/ 1 Gas-tight pulley for "above measuring tube"
- 6/ 1 Gastight pulley for "above tank"
- 7/ 2 Transfer tubes 1 m long, PVC, O.D. 40 mm
- 8/ 1 Loose flange ISO ND100 and coupling, PVC, for tank fitting
- 9/ 1 Bottom end cap for measuring tube
- 10/ Union fittings

*Optionnal accessories:*

*Graduated ruler; Level switches; Adjustable tees*

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23-03-2022

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## MOUNTING

- 1) Fix the collars (open) to the wall tank
  - 2) This step must be done carefully, ensuring the verticality of measuring tube
  - 3) Fit the tube in the collars; It must be vertical
  - 4) Mount the coupling and loose flange on the tank, a gasket is necessary (not supplied)
  - 5) Install all gastight parts between tank and measuring tube
- Respect the direction of assembly of the pulleys: Hoop must be upward

**- Do not glue anything yet -**

- 6) Determine the length of the cable (See drawings on pages 3 & 4)  
Cable length is [tank height] + [transfer tube lengths] + 1 metre
- 7) Attach the AISI float to the end of the AISI cable using the cable clamp for AISI float.  
Or attach the PP float to the rope: First unscrew the float cap, pass the rope through it, make a knot, then screw in back the cap on the float.
- 8) Insert the float inside the tank  
Pass the cable through the pulleys and transfer tubes and hang the counterweight on it; Using the cable clamp for AISI cable and counterweight, or with a knot like previously for the PP float.

### 9) Now you can proceed the solvent welding of each parts.

- 10) Caution: be sure the cable is correctly set on the pulley wheels.

Reminder: When the tank is empty, the counterweight is in the upper part of the measuring tube.

Note: Diameters are tightly adjusted between pulleys, union ends and tubes  $\varnothing$  40 mm; it could be sufficient to use the SFA/E without gluing the parts together with no risk of particles getting inside the system.

### Transfer tubes: Tips for solvent welding

Special care must be taken. The tubes may be cut with a hacksaw, in order to avoid burrs which could hinder assembly and possibly prevent the pulleys from rotating. The section must be perfectly deburred with a knife inside and out. The bonding surfaces must be cleaned using a lint-free cloth soaked in solvent such as "TANGIT".

Elbows and unions should be cleaned in the same manner. Roughen the bonding surfaces with an abrasive paper. Make a continuous bead on the outside of the transfer tube and fit the section into the part to be bonded without rotating. Remove excess of glue, turning around the part. This cord, formed between the tube and the edge of the part, guarantees a perfect seal.

## MAINTENANCE

These cable and pulleys level indicators do not require any specific maintenance.

In case of dismounting, it is necessary to fix a cable or a small cord to one cable end for an easier remounting, specially when parts have been glued together.

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