

SFA /E

Gas tight cable and pulleys level Indicator *"CAT AND MOUSE"*



INSTRUCTION MANUAL

BAMO MESURES

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Gas tight cable and pulleys
level Indicator

SFA /E

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1. PACKING DETAILS

Each standard equipment includes,

- 1 guiding tube, diameter 63 mm, with:
 - 1 end plug on bottom side (to glue on site) and
 - 1 union end 63/40 glued on the top
- 1 red PVC counter weight Ø 50 with a built in magnet
- 2 stainless steel cable clamps (only with SFA/E stainless steel version)
- 1 PPH float Ø 98, or 1 stainless steel float (Ø 100 mm or Ø 200 mm)
- 2 tight gas PVC pulleys, Ø 40, one is glued on:
 - 1 union end Ø 40
- 1 PVC free flange DN 100 (it could be different within your specifications)
- 1 flange adaptor DN100 with union end DN40
- 1 m PVC tube Ø 40, transfer tube (it could be different within your specifications)

Note:

*Required furniture
(not provide by BAMO MESURES):*

- *fitting bolts or screws Ø 6 mm
for installation on tank
(or screws + nuts M6)*
- *Seal and screw set for counter flange*
- *Glue for PVC.*

2. MOUNTING

- 1/ First, install the collars on the tank.
- 2/ this step must be done carefully; it will be a condition for easy tube adjustment.
- 3/ Install the tube.
- 4/ Fit the DN 100 flange on the counter flange and its seal (of your own).
Minimal distance between flange and guide tube is 200 mm (see the drawings)
- 5/ Install all transfer parts between tank and guiding tube.

Do not glue anything yet

It could be easier now, to pass the cable through the transfer tubes, than later on (depending of total length)

- 6/ Find out the right length of cable (see the drawings).
The cable length is close to tank height + transfer tube lengths + 1 meter
(or more, depending of distance to the highest liquid level).
- 7/ Fit the float with the cable
 - Stainless steel float with one stainless steel clamp (*see drawing*)
 - PPH: cable is attached doing a knot after it passed through the connection to be screwed
- 8/ Install the float inside the tank
Pass the cable through the tubing system and fix it to the counter weight (*see drawing*).
Caution: be sure the cable is perfectly running on the wheel
- 9/ once you successfully check up everything, you can proceed to glue all necessary parts.
See the recommendations herein after.
- 10/ Caution: be sure the cable is correctly set on the pulley wheel.

Reminder: When the tank is empty, the counter weight is in the upper part of the guiding tube.

Note: Diameters are tightly adjustable between pulleys, union ends and tubes Ø 40 mm; it could be sufficient not to let dirt entering the SFA/E and storage tank. Nevertheless, the normal installation for a resistant structure is to glue the parts together.

2. MAINTENANCE

This kind of level indicator does 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.

3. RECOMMENDATIONS FOR GLUING

Tubes must be adjusted by cutting with a tube cutting device or a hacksaw in order to avoid plastic barbs which may block the pulley wheel.

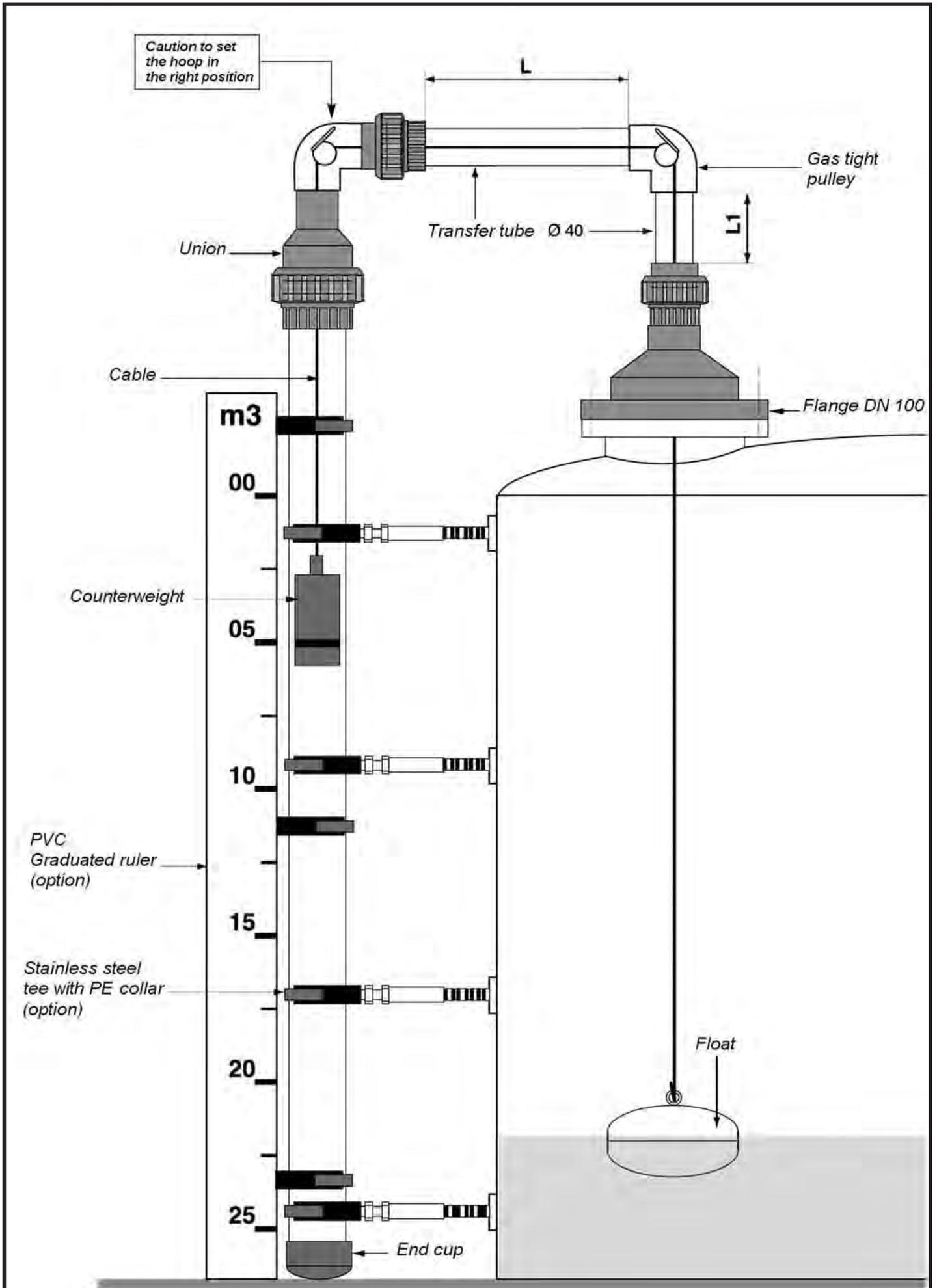
Remove rough edges with a knife from the internal and external tube ends.

Surfaces receiving the glue must be clean with solvent using a non fluffy duster.

Pulley tubes and union end must be clean on same way. Then tarnish these surfaces with emery cloth.

Apply a continuous cord of glue on the transfer tube and assemble it to the other part without rotating any piece.

Clean the excess of glue. The cord of glue between the two pieces is the guarantee of a well tight mounting.



TRANSFER TUBES - LENGTHS
 $L_2 = L + 52$
 $L_3 = L_1 + 52$

