

# SFA modular kits



## INSTRUCTIONS MANUAL

**BAMO MESURES**

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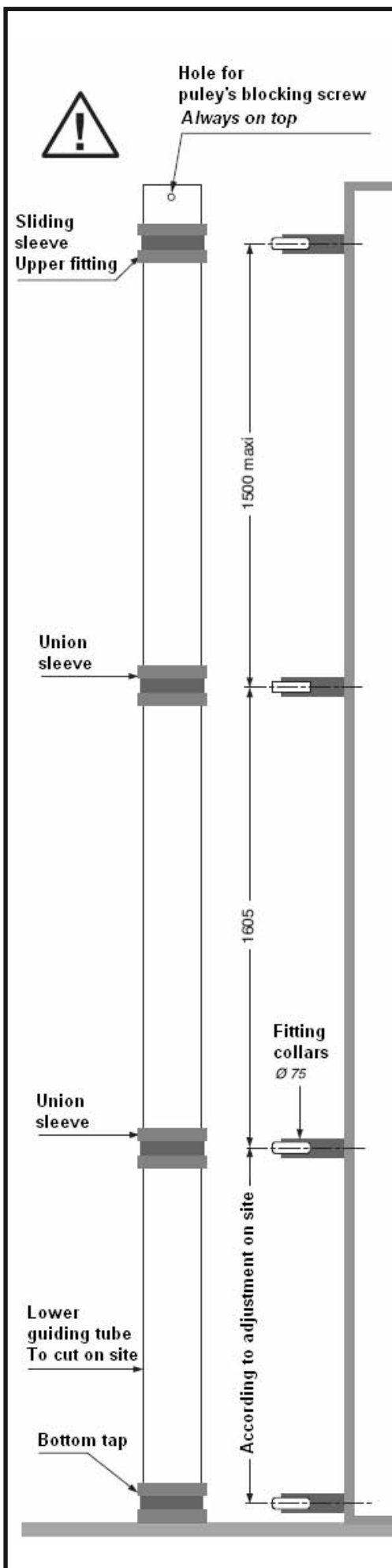
**SFA  
modular kits**

17-09-2015

583 M1 05 A

**NIV**

**583-05/1**



## 1. Content of modular kits

**Modular kit; Module base (3.2 m), includes:**

Code number: **583 580**

- 2 PVC guiding tube, Ø 63 mm, length 1600 mm each
- 1 PVC bottom tap
- 1 PVC union sleeve
- 1 PVC sliding sleeve
- 3 PE collars, Ø 75 mm

When ordered (to complete total measuring height): 1 or more extension module(s)

**Modular kit; Module extension (1.6 m); includes:**

Code number: **583 581**

- 1 PVC guiding tube Ø 63 mm, length 1600 mm
- 1 PVC union sleeve
- 1 PE collar, Ø 75 mm

## 2. Mounting sequences for modular kits

1° First, adjust the height of lowest tube part according to necessary total height by cutting the bottom part of lowest tube.

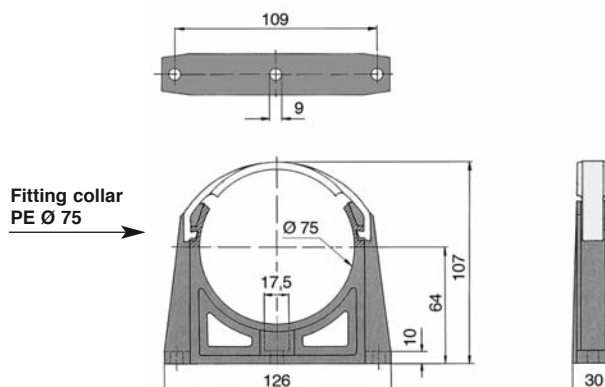
This first step determines exact positions of fitting collars on the tank.

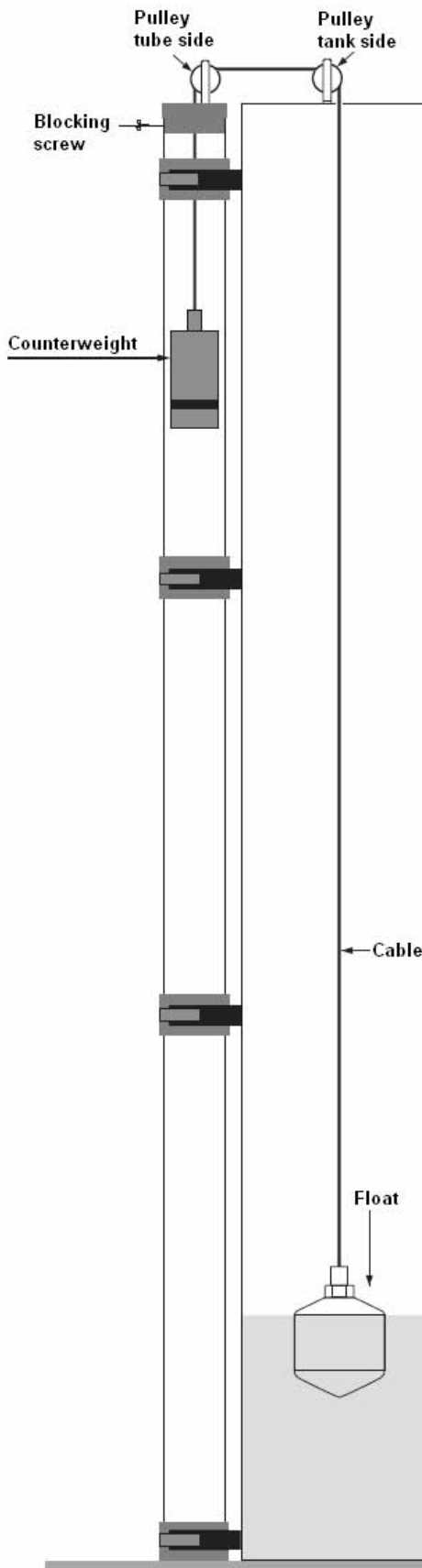
Do not cut the top part of the upper tube: this one has a hole to screw in the pulley and secure it.

2° Fit the collars on the tank in front of union sleeve(s) and sliding sleeve (upper fitting).

If necessary, to avoid condensation or rain-water accumulation inside the tube, you can take off the rubber disc from the bottom tap.

3° Built up together the tube parts with the union sleeve(s) then fit the assembly inside the fitting collars.





### 3. Content of Standard SFA

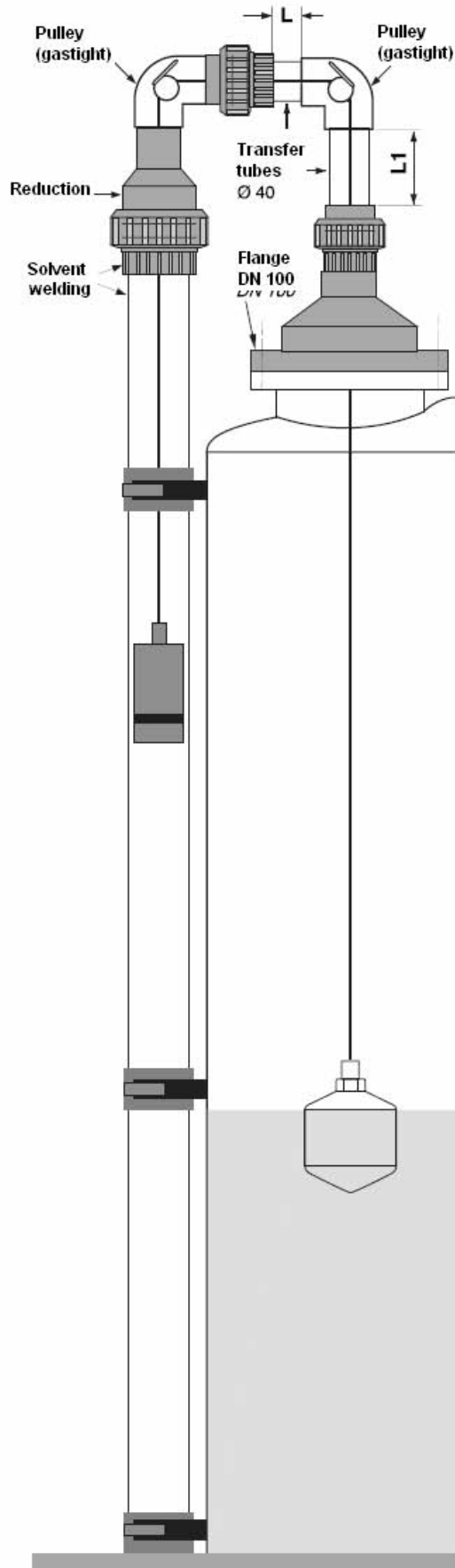
SFA standard, PPH, includes:

Code number : **583 020**

- 1 PPH float Ø 98 mm
- 1 pulley, top of tank
- 1 pulley, top of guiding tube
- 1 counterweight with built in magnet
- PPH cable Ø 3 mm

### 4. Mounting sequences for Standard SFA

- 1°) Fit the corresponding pulley on the tank
- 2°) Check the necessary length of cable
- 3°) Run the cable through the fitting of float then fix the float to cable.  
Doing a knot with cable.
- 4°) Insert the float inside the tank and run the cable through the pulley on the tank, after, through the pulley for guiding tube (this pulley is not yet secured).  
Fix the counterweight to cable using knot.
- 5°) Let the counterweight sliding down inside guiding tube; Fix the pulley in its place, securing it in place with the blocking screw.
- 6°) that cable is well engaged in sheave.



## 5. Content of gastight SFA

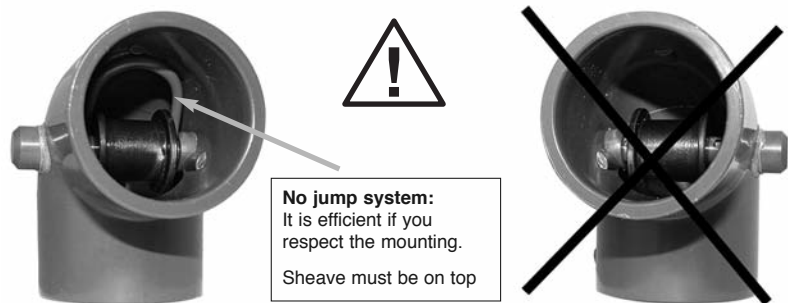
Kit SFA/E/M, PVC and PPH, gas tight model, includes:

Code number: **583 701**

- 2 PVC transfer tubes, Ø 40 mm, length 1000 mm each
- 2 gas tight pulleys
- 1 PVC flange ND 100 and reduction (to top of tank)
- 2 unions, Ø 40
- 1 union, Ø 63 and reduction (top of guiding tube)
- 1 PPH float, Ø 98 mm
- 1 counterweight with built in magn
- PPH cable, Ø 3 mm (length according application)

## 6. Mounting sequences for gastight SFA

- 1°) Fit the flange DN100 with appropriate seal (not supplied). Shortest distance between flange and guiding tube is 200 mm.
- 2°) Setup all parts for gastight transfer between tank and guiding tube.  
**Check the correct mounting of pulleys (orientation of sheave).**



**No jump system:**  
It is efficient if you respect the mounting.  
Sheave must be on top

**Solvent welding will be done further on, not yet.**

- 3°) Check the necessary length of cable. Cable length should correspond to tank height + transfer tubes and elbows + 1 m
- 4°) Run the cable through the flanged connection and fix the float to cable. Doing knot cable.
- 5°) Insert the float inside the tank and run the cable through the pulleys. Fix the counterweight to cable using a knot.
- 6°) It is time for solvent welding of parts, elbows, transfer tubes.  
For maintenance: unscrew the unions.  
When you dismantle the unit: it is necessary to secure the cable with a rope for further assembly.

**Caution:** Without solvent welding, the tight connections between parts allow a safe use against dust, but complete system will not be gastight.

**Note:** When tank is empty, the counterweight is on top of guiding tube.