

# Sets and kits

## SFA, modular series

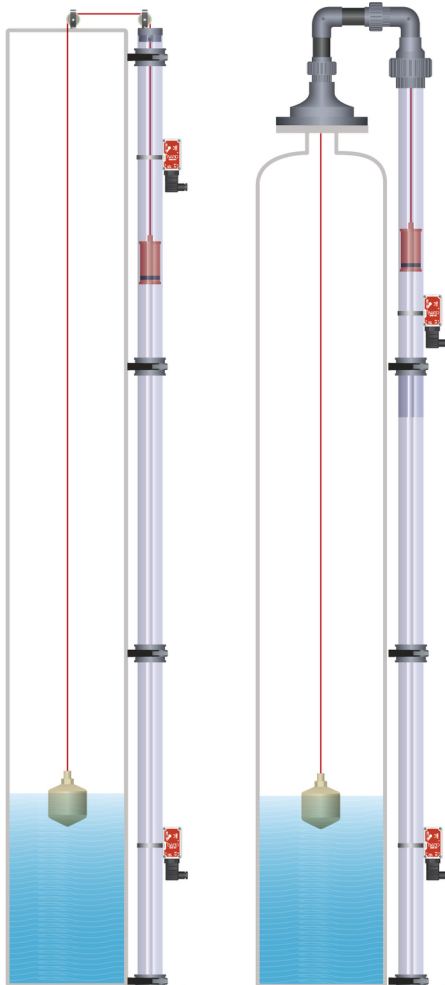


fig.1

fig.2

- Level indicator with float, counterweight, cable and pulley system
- Adapts to all tank heights
- Modules with reduced dimensions for easy carriage
- Kept in stock for rapid dispatch
- Easy on-site assembly

### APPLICATION

A float located inside the tank is connected, via a set of cable + pulleys, to a counterweight running in a transparent vertical tube outside the tank, which indicates the liquid level inside the tank. The counterweight also has a built-in magnet to actuate level switches that can be added in option along the transparent tube.

### DESCRIPTION

This level-measuring unit consists of a float and an indicator linked together by a cable on pulleys. The counterweight acts as an indicator. It is guided by a transparent PVC tube and follows the float immersed in the tank.

- The SFA indicator is available in 2 variants :
- the standard non-gastight SFA system (open tank)
  - the gastight SFA/E system (closed tank)

#### Smaller modules for lower transport costs !

The modules are designed to facilitate logistics and reduce packaging and transport costs. To avoid handling tubes longer than 2 meters, BAMO has developed a modular system with PVC connecting sleeves. The standard (base) modular kit consists of a total tube length of 3.2m, delivered in 2 parts with a joining sleeve. The basic kit can be completed with one or more 1.6 m extension modules, each supplied with its own adapter. Finally, the last tube is cut to exact length on site before gluing.

Modular kits may be associated to:

- **Standard non-gastight indicator SFA sets (fig.1)**  
open-air cable and pulley indicator
- **Gastight indicator SFA/E sets (fig.2)**  
The pulleys are enclosed in PVC elbows with an anti-derailment system, ensuring perfect PPH rope guidance. Elbows are interconnected by a PVC tube (for solvent welding). Fitting to the tank is made with a PVC loose flange ND 100 PN 10/16 (other flange dimension on request). The gasket is not supplied by us.

#### Options : magnetic level switch

- One or more magnetic level contacts BSM can be positioned at the user's convenience along the transparent guide tube.  
See datasheet 585-06

#### Options : Graduated ruler

- Graduated ruler is made on request according to user's requirements. A drawing is sent for approval before production.  
See datasheet 583-20  
The graduated rule will be supplied in as many parts as the number of SFA parts requested by the user. For single-part lengths only, you can opt for our non-modular SFA model (data sheet 583-01 or 583-02).



Magnetic level switch  
BSM (option)

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**SFA, modular series**

28-06-2024

D-583.05-EN-AC

NIV

583-05 /1

## CODE NUMBERS AND DESCRIPTIONS



### Code 583580

N°	Description	Quantity
<b>Basic modular SFA kit (3.2 m) including :</b>		
01	Sliding top fitting, PVC	1
02	Transparent tube, PVC, Ø 57/63 mm, length 1600 mm	2
03	Fitting collar, PE, Ø 75 mm	3
04	Junction sleeve, PVC	1
05	Bottom cap, PVC	1

### Code 583581

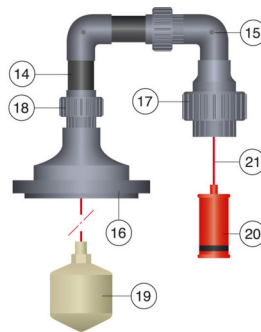
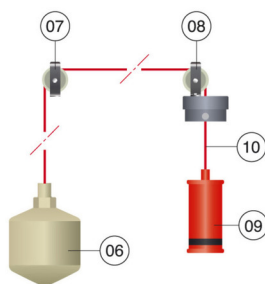
N°	Description	Quantity
<b>Modular SFA extension (1.6 m) including :</b>		
11	Transparent tube, PVC, Ø 57/63 mm, length 1600 mm	1
12	Junction sleeve, PVC	1
13	Fitting collar, PE, Ø 75 mm	1

### Code 583020

N°	Description	Quantity
<b>Non-gastight accessory kit - PPH float &amp; cable - including :</b>		
06	PPH float, Ø 98 mm	1
07	Pulley for top of tank	1
08	Pulley for top of tube	1
09	Counterweight with built-in magnet	1
10	Cable/rope, PP, Ø 3 mm (length according to tank height)	x

### Code 583702

N°	Description	Quantity
<b>Gastight accessory kit - PPH float &amp; cable - including :</b>		
14	Transfer tubes, PVC, Ø 40 mm, length 500 mm	4
15	Gas-tight pulley	2
16	Fitting top tank, PVC loose flange ND100 PN10/16 and collar	1
17	Union fitting for top of guiding tube Ø 63 mm	1
18	Union fitting, Ø 40 mm	2
19	PPH float, Ø 98 mm	1
20	Counterweight with built-in magnet	1
21	Cable/rope, PP, Ø 3 mm (length according to tank height)	x



### Accessories :

Code	Description
P41 576	Collar in PE, Ø 75 mm to fit guiding tube to the tank
582 055	Adjustable tee (CTB)
585 163	BSM, level switch, change-over magnetic contact, for SFA and SFA/E
583 658	Modular graduated ruler - base module (for modular SFA base module)
583 659	Modular graduated ruler - extension (for modular SFA extension module)

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