



# Compressed Air Ball Float Traps

## FA 16 SS (1/2" - 3/4")

### Description

FA 16 SS is a fully automatic ball float trap extremely compact in dimension and light in weight, specially design for draining water from compressed air lines.

Applications on aftercoolers, separators and compressed air mains. Connections are female screwed vertical.

### Main Features

Modulating discharge.

Unaffected by sudden or wide load and pressure changes.

**Options :** Hand purging valve

**Use:** Compressed air and non corrosive gas, compatible with the construction.

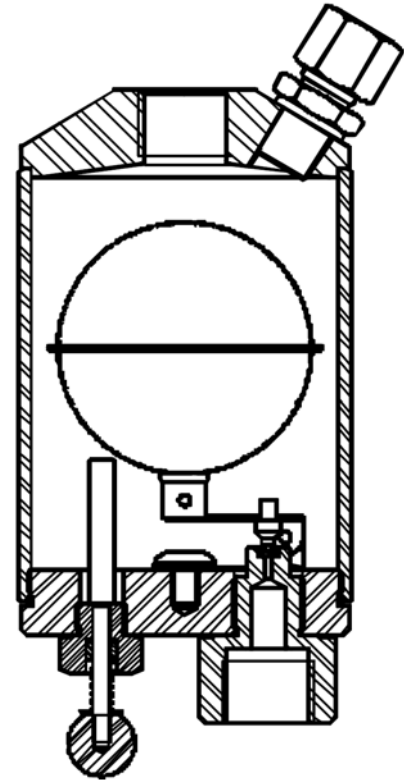
### Available Models :

FA 16SS

**Sizes :** 1/2" and 3/4"

**Connections :** Female screwed ISO 7/1 Rp (BS21)

**Installation :** Vertical installation. See IMI installation and maintenance instructions.



How to order : i.e. FA 16SS DN 3/4" BSP.

PMA : Max. allowable pressure	16 bar
TMA : Max. allowable temperature	250 °C
PMO : Max. operating pressure	14 bar
TMO : Max. operating temperature	198 °C
Max. differential pressure	14 bar

### Materials :

Pos.NR.	Designation	Material
1	Body	AISI 304
2	Cover	AISI 304
3*	O-ring	NBR
4*	Seat	AISI 316
5*	Valve	VITON
6*	Lever	AISI 304
7*	Float	AISI 304
8a)	Comp.fitting	PL.Steel
9b)	Hand purging valve	ST.Steel

\* Available spare parts

### Optional :

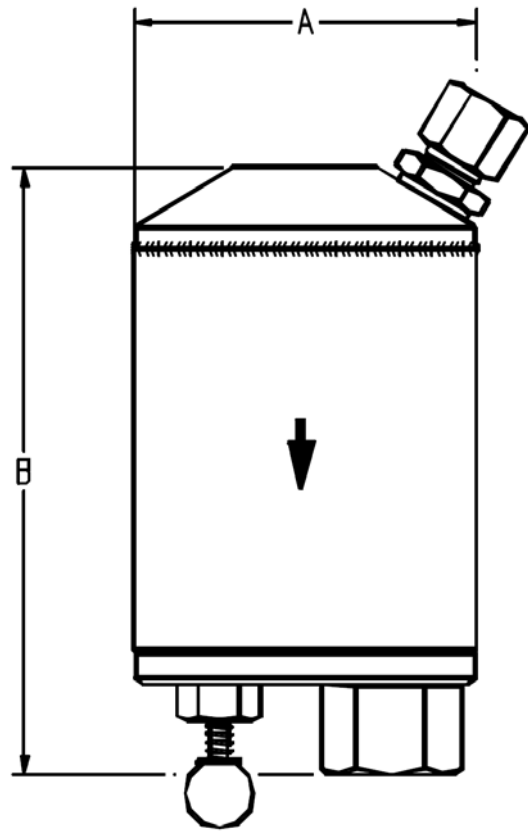
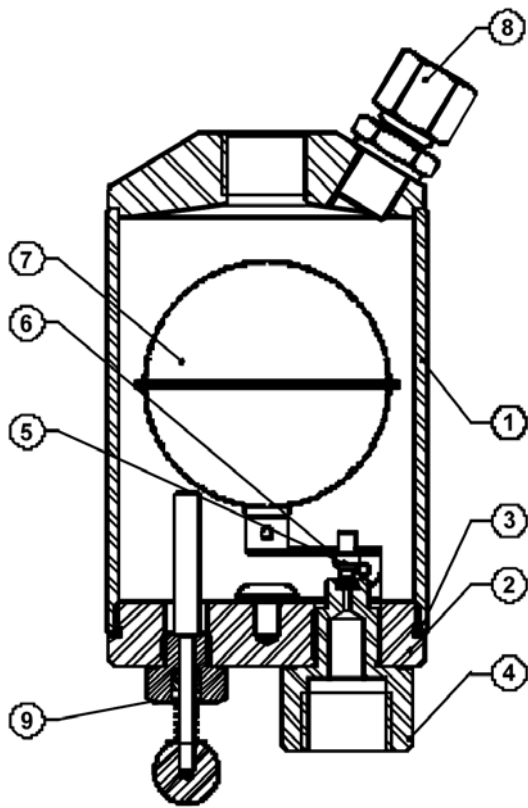
- a) 1/4" x 8 mm compression fitting
- b) Hand purging valve

### Dimensions (mm) :

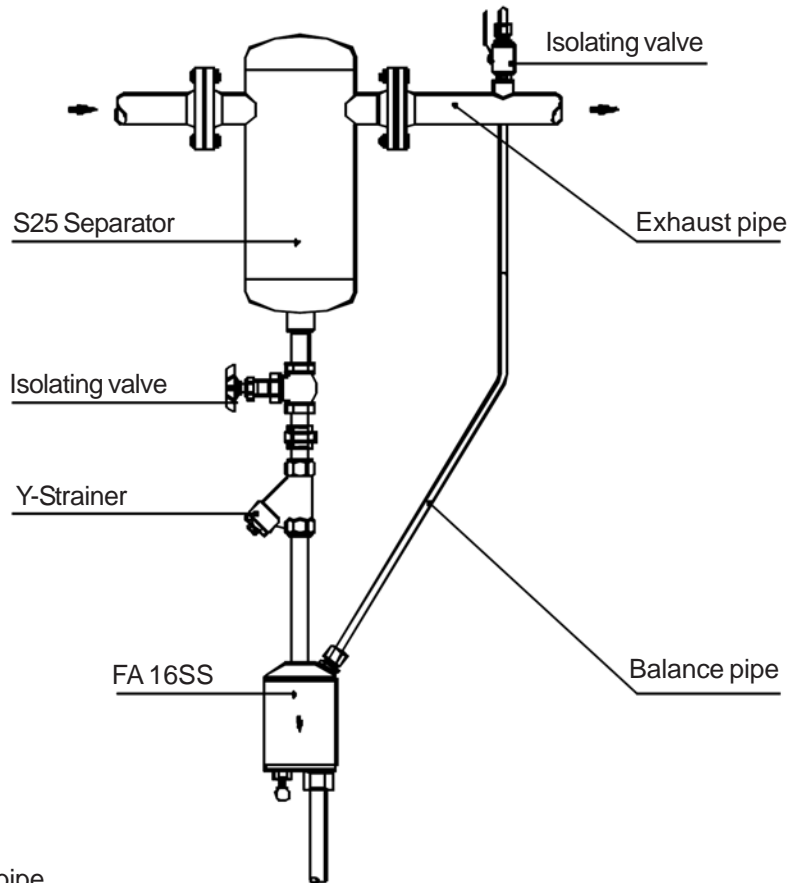
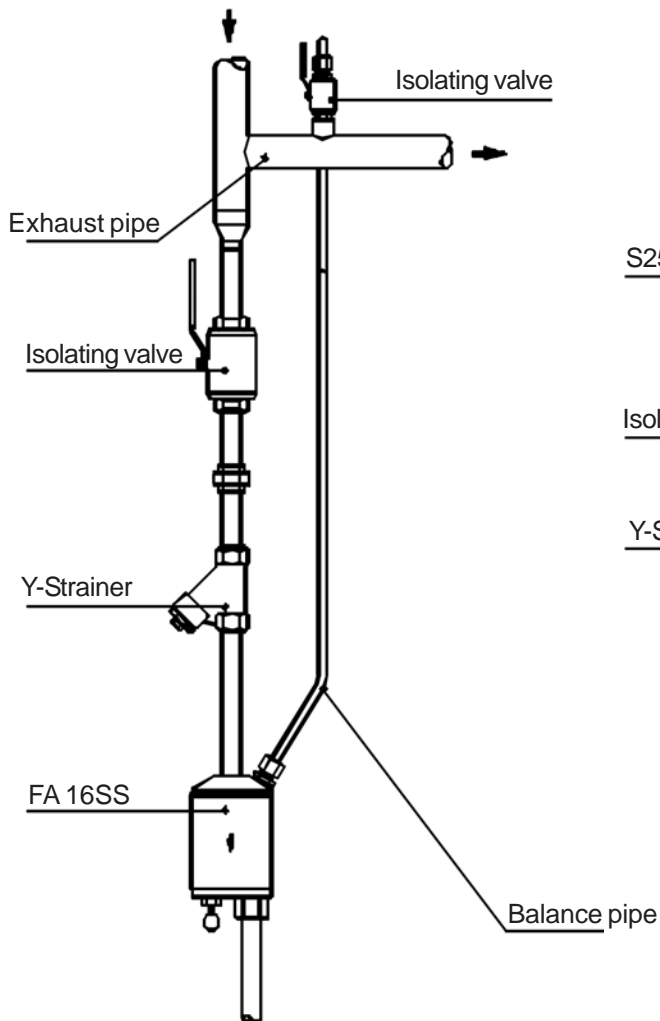
Size DN	A	B	Weight kg
1/2"	75	143	1.6
3/4"	75	143	1.6

### Flow rate capacity in kg/h

Model	Size	Differential Pressure (bar)												
		0.5	1	1.5	2	3	4	6	7	8	9	10	12	14
FA 16SS	1/2"-3/4"	120	145	180	190	230	250	300	330	340	360	380	400	430



**EXAMPLES OF INSTALLATION**





## INSTALLATION AND MAINTENANCE INSTRUCTIONS FA 16SS COMPRESSED AIR TRAP

### GENERAL

1. These instructions must be carefully read before any work involving products supplied by VALSTEAM ADCA ENGINEERING S.A. is undertaken.
2. The installation procedure is a critical stage in a life of compressed air trap and care should be taken to avoid damage to the trap or equipment.

### **Warning !**

- At start up , the presence of small particles in the water (dirt, scale, weld splatters, etc) may cause an unperfec closure of the seat . If this occur, proceed to an accurate cleaning.
- Do not touch the equipment without appropriate protection during working operation because it may conduct heat if the used fluid is at high temperature.
- Before starting maintenance be sure that the equipment is not pressurized or hot
- The equipments must be used within the working temperature and pressure limits laid down for them otherwise they may fail ( refer to nameplate and/or IS- Information Sheet).
- Do not remove the nameplate attached to the equipment. Serial number and other useful information is stamped on it.

### INSTALLATION

1. Before to install remove plastic covers placed on flanges or connection ends. The equipment has an arrow or Inlet/Outlet designations. Be sure that it will be installed on the appropriate direction
2. Install the compressed air trap in the point of the system, where the condensate tends to collect It must be installed with the float lever in horizontal plane, so that it rises and falls vertically A drip pipe is recommended to discharge to a safe place.

### Limiting conditions :

PMA :Max.allowable pressure	16 bar
TMA: Max.allowable temperature	250 °C
PMO: Max.operating pressure	14 bar
TMO: Max.operating temperature	200 °C

### MAINTENANCE

1. We recommend that the compressed air traps are serviced as necessary. Compressed air traps should be checked periodically (at least yearly), to verify that they are operating correctly and to clear the internal screen (if any).
2. When reassembling make sure that all gasket faces are clean and always use a new gasket. Tighten cover bolts uniformly in a diagonal sequence.
3. For further information refer to the relevant FA16SS brochure or consult our Sales Office.

### CE Marking :

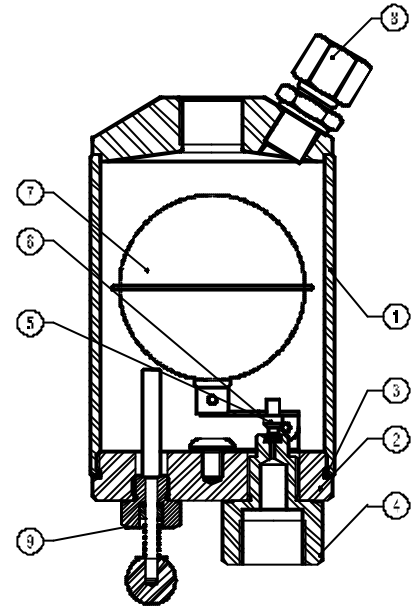
This product have been designed for use on steam and water wich are in Group 2 of the PED-European Pressure Equipment Directive 97/23/EC and it comply with those requirements.  
The product fall within category SEP and must not be CE marked.

**PARTS LIST FOR FA 16 SS AIR ELIMINATORS :**

Code	Designation	SizeTrap	Pos.Nr.	Qty.
A.95.8017.015	Soft valve, st.st.seat, float&gasket	DN1/2"	3,4,5,6,7	1Set
A.95.8017.117	Float & gasket	DN1/2"	3,7	1Set

**Recommended tightening torques FA16SS**

Pos.Nr.	Size	Nm
4	1/2"	60-65
2	1/2"	15-20



**TYPICAL INSTALLATION**

