



## INSTALLATION AND MAINTENANCE INSTRUCTIONS FLOAT & THERMOSTATIC STEAM TRAPS FLT16

### 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 a float trap and care should be taken to avoid damage to the float trap or equipment.

### **Warning!**

- At start up, the presence of small particles in the water (dirt, scale, weld splatters, etc) may cause an unperfected closure of the seat. If this occurs, 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 steam 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. An ADCA strainer should be installed upstream of the trap.

LIMITING CONDITIONS	
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	
FLT 16-4,5	4,5 bar
FLT 16-10	10 bar
FLT 16-14	14 bar

### MAINTENANCE

1. We recommend that the float steam traps are serviced as necessary. Steam traps should be checked periodically (at least yearly), to verify that they are operating correctly and to clean the internal parts and 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 FLT16 brochure or consult our Sales Office.

**CE Marking:**

This product have been designed for use on water and steam which are in Group 2 of the European Pressure Equipment Directive 97/23/EC and it comply with those requirements. The product carries the CE mark when falling in category 1 and above.

GROUP 2 GASES CATEGORY		
MODEL	SIZES	CATEGORY
FLT 16	DN 15-40	SEP
FLT 16	DN 50	1

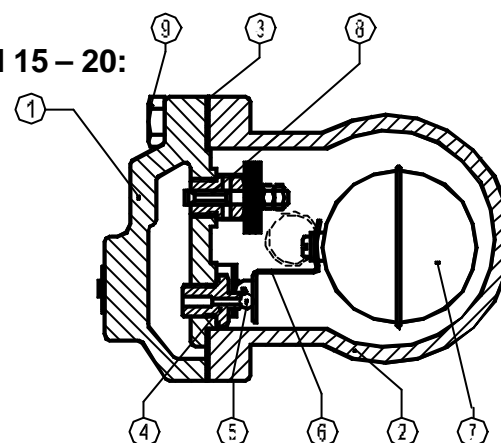
**PARTS LIST FOR FLT16 DN 1/2" – 3/4", DN 15 – 20:**

CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.92.1402.015	Valve, seat, float & gasket D.P. 4,5 bar	1/2" - 3/4"	3, 4, 5, 6, 7	1 set
A.92.1403.015	Valve, seat, float & gasket D.P. 10 bar	1/2" - 3/4"	3, 4, 5, 6, 7	1 set
A.92.1404.015	Valve, seat, float & gasket D.P. 14 bar	1/2" - 3/4"	3, 4, 5, 6, 7	1 set
A.92.1402.115	Float & gasket	1/2" - 3/4"	3, 7	1 set
A.92.1402.215	Air vent & gasket	1/2" - 3/4"	3, 8	1 set

**Recommended tightening torques FLT16 DN 1/2" – 3/4", DN 15 – 20:**

POS.NR.	TRAP SIZE DN	Nm
4	1/2" - 3/4"	50-55
8	1/2" - 3/4"	50-55
9	1/2" - 3/4"	40-45

Remarks: Tighten cover bolts uniformly.

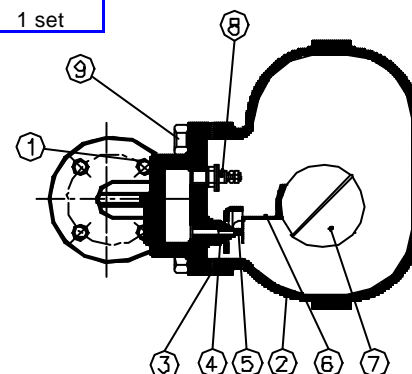

**PARTS LIST FOR FLT16 DN 1", DN 25:**

CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.92.1402.025	Valve, seat, float & gasket D.P. 4,5 bar	1"	3, 4, 5, 6, 7	1 set
A.92.1403.025	Valve, seat, float & gasket D.P. 10 bar	1"	3, 4, 5, 6, 7	1 set
A.92.1404.025	Valve, seat, float & gasket D.P. 14 bar	1"	3, 4, 5, 6, 7	1 set
A.92.1402.125	Float & gasket	1"	3, 7	1 set
A.92.1402.215	Air vent & gasket	1"	3, 8	1 set

**Recommended tightening torques FLT16 DN 1", DN 25:**

POS.NR.	TRAP SIZE DN	Nm
4	1"	50-55
8	1"	50-55
9	1"	40-45

Remarks: Tighten cover bolts uniformly.



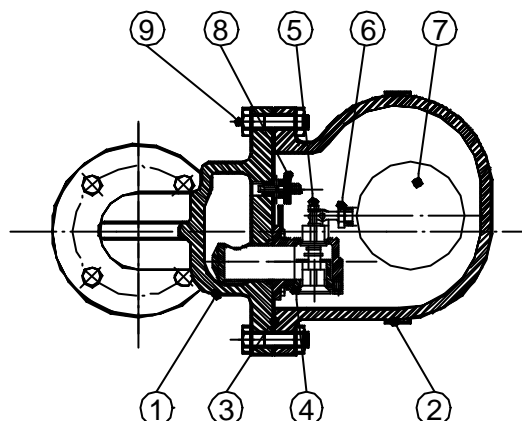
**PARTS LIST FOR FLT16 DN 1 1/2" - 2", DN 40 - 50:**

CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.92.1402.040	Valve, seat, float & gasket D.P. 4,5 bar	1 1/2"	3, 4, 5, 6, 7	1 set
A.92.1403.040	Valve, seat, float & gasket D.P. 10 bar	1 1/2"	3, 4, 5, 6, 7	1 set
A.92.1404.040	Valve, seat, float & gasket D.P. 14 bar	1 1/2"	3, 4, 5, 6, 7	1 set
A.92.1402.140	Float & gasket	1 1/2"	3, 7	1 set
A.92.1402.050	Valve, seat, float & gasket D.P. 4,5 bar	2"	3, 4, 5, 6, 7	1 set
A.92.1403.050	Valve, seat, float & gasket D.P. 10 bar	2"	3, 4, 5, 6, 7	1 set
A.92.1404.050	Valve, seat, float & gasket D.P. 14 bar	2"	3, 4, 5, 6, 7	1 set
A.92.1402.150	Float & gasket	2"	3, 7	1 set
A.92.1402.215	Air vent & gasket	1 1/2"-2"	3, 8	1 set

**Recommended tightening torques FLT16 DN 1 1/2" - 2", DN 40 - 50:**

POS.NR.	TRAP SIZE DN	Nm
4	1 1/2"	10-15 (4xM6)
4	2"	20-25 (4xM8)
8	1 1/2" - 2"	50-55
9	1 1/2"	60-65
9	2"	80-85

Remarks: Tighten cover bolts uniformly.



**LOSS OF GUARANTEE:** Total or partial disregard of above instructions involves loss of any right to guarantee.