

INSTALLATION AND MAINTENANCE INSTRUCTIONS

BM - BIMETALIC STEAM TRAPS

BSS20 – BM17 – BM22

GENERAL

- These instructions must be carefully read before any work involving products supplied by VALSTEAM ADCA ENGINEERING S.A. is undertaken.
- The installation procedure is a critical stage in a life of a steam 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 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



ATTENTION

- 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.
- Install the steam trap in the point of the system, where the condensate tends to collect. It can be installed in any position. An ADCA strainer can be installed upstream of the trap as additional protection.

LIMITING CONDITIONS	BSS	BM17	BM22
PMA: Max. allowable pressure	45 bar	21 bar	32 bar
TMA: Max. allowable temperature	300 °C	300 °C	300 °C
PMO: Max. operating pressure	20 bar	17 bar	22 bar
TMO: Max. operating temperature	250 °C	250 °C	250 °C

Installation area requirements:

- The installation area should have easy access and provide enough space for maintenance and removing operations.
- The installation area should have the necessary firing system to prevent damage of the equipment due to over temperature/pressure cause by fire.

MAINTENANCE

- We recommend that the 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 strainer screen.
- When reassembling make sure that all gasket faces are clean and always use a new gasket. Tighten cover bolts uniformly in a diagonal sequence.
- For further information refer to the relevant IS (Information Sheet) or consult our Sales Office.

CE Marking:

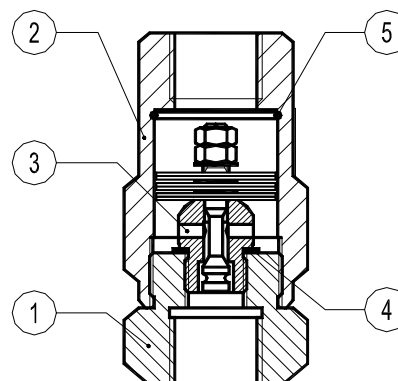
This product has been designed for use on steam and water which are in Group 2 of the PED-European Pressure Equipment Directive 97/23/EC and it complies with those requirements. The product falls within category SEP and must not be CE marked.

PARTS LIST FOR BSS 20:

CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.95.5010.015	Valve regulator & gasket	½"	3	1 set
A.95.5010.115	Strainer screen	½"	5	1 set

Recommended tightening torques:

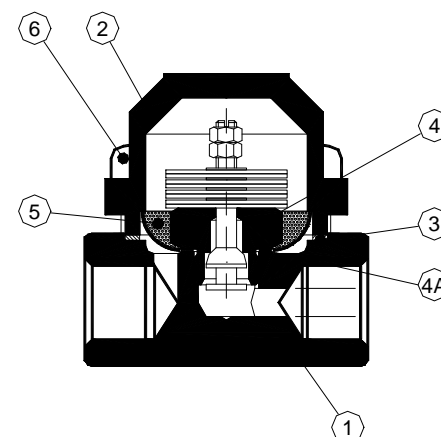
POS.NR.	TRAP SIZE DN	Nm
1-2	½"	140
3	½"	50-55


PARTS LIST FOR BM 17:

CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.95.5080.015	Valve regulator & gasket	½"	4, 4A	1 set
A.95.5080.115	Strainer screen & gasket	½"	3, 5	1 set

Recommended tightening torques:

POS.NR.	TRAP SIZE DN	Nm
4	½"	90
6	½"	20

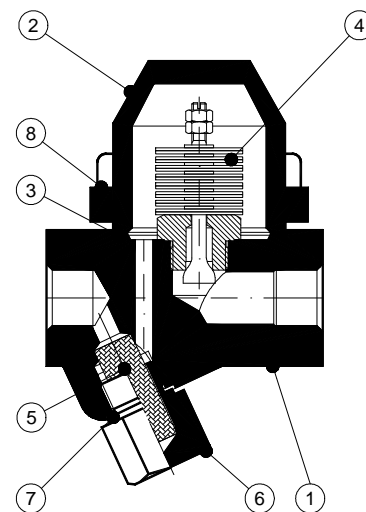


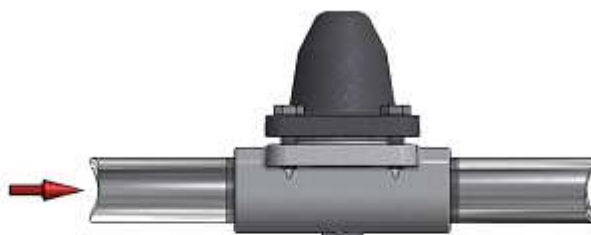
PARTS LIST FOR BM 22:

CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.95.5100.015	Valve regulator & gasket	½" - 1"	3, 4	1 set
A.95.5100.115	Strainer screen & gasket	½" - 1"	5, 7	1 set

Recommended tightening torques:

POS.NR.	TRAP SIZE DN	Nm
4	½" - 1"	120
6	½" - 1"	90
8	½" - 1"	30





Recommended Installation

Acceptable in any position except:



Wrong Installation



Wrong Installation

PRODUCTS RETURNING



ATTENTION

- Information regarding any hazards and precautions to be considered because of contaminating fluids and residues or mechanical damage that may represent a health, safety or environmental risk, must be provided in writing by the distributors and costumers when returning products to Valsteam ADCA engineering.
- Health and safety data sheets regarding substances identified as hazardous or potentially hazardous must be provided with the information mention above.



ATTENTION

- **LOSS OF WARRANTY:** Total or partial disregard of above instructions involves loss of any right to warranty.