



## INSTALLATION AND MAINTENANCE INSTRUCTIONS

### CDV - CONDENSATE DRAIN VALVE

#### CDV 32

#### 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 automatic valve and care should be taken to avoid damage to the valve 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 condensate drain valve 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 CDV as additional protection.

LIMITING CONDITIONS	CDV 32
PMA: Max. allowable pressure	32 bar
TMA: Max. allowable temperature	300 °C
PMO: Max. operating pressure	21 bar
TMO: Max. operating temperature	250 °C
Closing Pressure	1,5 bar

#### MAINTENANCE

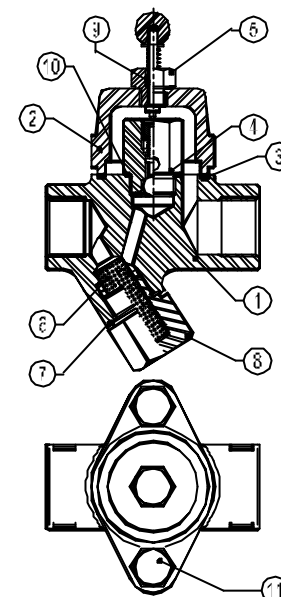
1. We recommend the CDV valve to be serviced as necessary. Condensate drain valves should be checked periodically (at least yearly), to verify that they are operating correctly and to clean the internal parts and strainer screen.
2. When reassembling make sure that all gasket faces are clean and always use a new gasket. Tighten cover bolts uniformly in a diagonal sequence.
3. For further information refer to the relevant IS (Information Sheet) or consult our Sales Office.

### CE Marking:

This product have 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 comply with those requirements. The product fall within category SEP and must not be CE marked.

### PARTS LIST FOR CDV:

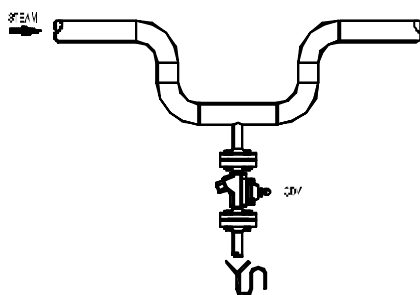
CODE	DESIGNATION	TRAP SIZE DN	POS.NR.	QTY.
A.95.3900.015	Main valve, seat & gasket	1/2" - 3/4"	10, 4, 3	1 set
A.95.3900.115	Hand purging Knob	1/2" - 3/4"	5, 9	1 set



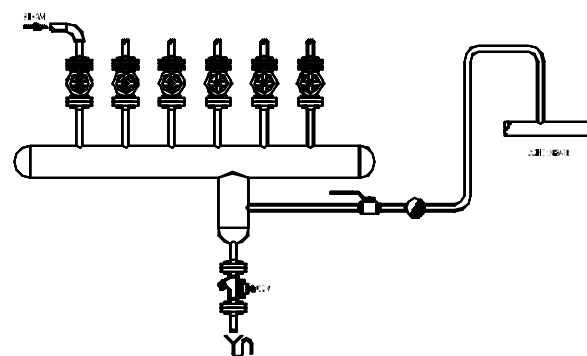
### Recommended tightening torques:

POS.NR.	TRAP SIZE DN	Nm
4	1/2" - 3/4"	120
5	1/2" - 3/4"	30
8	1/2" - 3/4"	90
11(Cover bolts)	1/2" - 3/4"	30

### TYPICAL INSTALLATION



Draining a steam main with an elevated condensate line.



Draining a water pocket in outdoor plant, this installation also prevents freezing.

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