

INSTALLATION AND MAINTENANCE INSTRUCTIONS CDV - CONDENSATE DRAIN VALVE CDV32

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 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



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 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.

BODY LIMITING CONDITIONS		
FLANGED PN40 / ANSI 300 *	FLANGED ANSI 150 **	RELATED TEMP.
ALLOW. PRES.	ALLOW. PRES.	
40 bar	19,3 bar	50 °C
35 bar	15,8 bar	150 °C
30,4 bar	12,1 bar	250 °C
27,6 bar	10,2 bar	300 °C

Closing pressure 1,5 bar

PMO - Max. operating pressure 22 bar

TMO - Max. operating temperature 250 °C

* According to EN1092-1:2007 ; ** Acc. to EN1759-1:2004

Body limiting conditions PN40 or below, depending on the type of connection adopted. Rating PN40 for thread, SW and BW.

MAINTENANCE

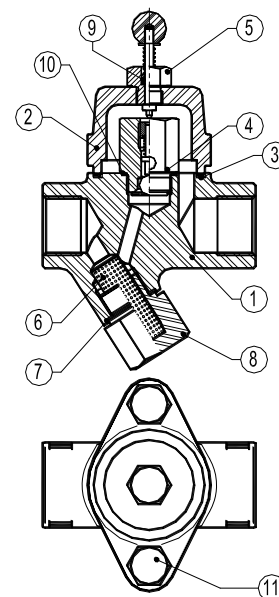
- We recommend the CDV valve to be serviced as necessary. Condensate drain valves should be checked periodically (at least yearly), to verify that they are operating correctly and to clean the internal parts and strainer screen.
- When reassembling make sure that all gasket faces are clean and always 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:

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

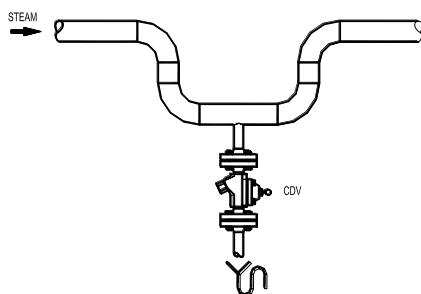


Recommended tightening torques:

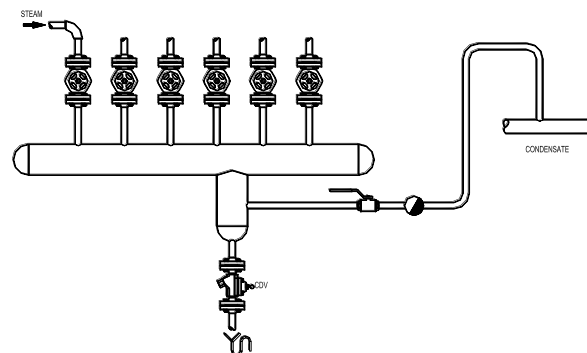
POS.NR.	TRAP SIZE DN	Nm
4	1/2" - 3/4"	120
5	1/2" - 3/4"	30
8	1/2" - 3/4"	90
11(Cover bolts)	1/2" - 3/4"	30

Remarks: Tighten cover bolts uniformly.

TYPICAL INSTALLATION



Draining a steam main with an elevated condensate line.



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



ATTENTION

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