



STEAM SPECIALITIES

## CONDENSATE DRAIN VALVES CDV

### DESCRIPTION

CDV condensate drain valve, automatically drains condensate from steam systems during start-up. A compression spring inside the governor keeps the valve open if the appliance stays without pressure.

As soon as the service pressure has reached the closing pressure to which the CDV has been adjusted, the valve closes due to the differential pressure.

When the pressure drops below the closing pressure the Condensate Drain Valve opens by spring force.

Connections are female screwed or flanged.

### MAIN FEATURES

Hand purging knob for operating CDV with the system under pressure.

Built-in, easy-to-clean strainer.

USE : Saturated steam

AVAILABLE

MODELS : CDV

SIZES : 1/2" , 3/4" - DN15 and DN20.

CONNECTIONS : Female screwed ISO 7/1 Rp (BS21)  
Flanged DIN. Special flanges upon request.

INSTALLATION : Vertical installation recommended.  
When installed in horizontal lines, an outlet connecting pipe pointing downwards, should be provided.  
See IMI installation and maintenance instructions.

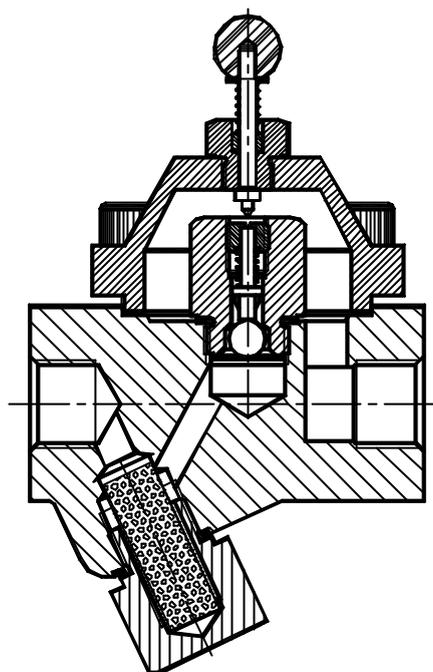
PMA: Max. allowable pressure 32 bar

TMA: Max. allowable temperature 300 °C

PMO: Max. operating pressure 21 bar

TMO: Max. operating temperature 250 °C

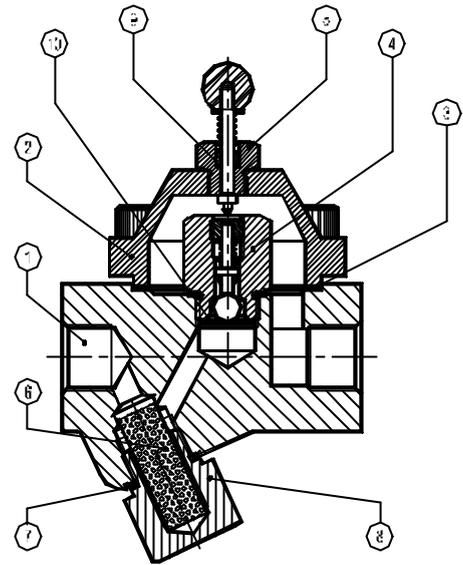
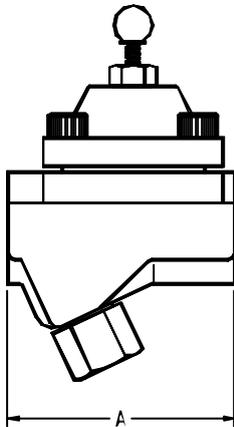
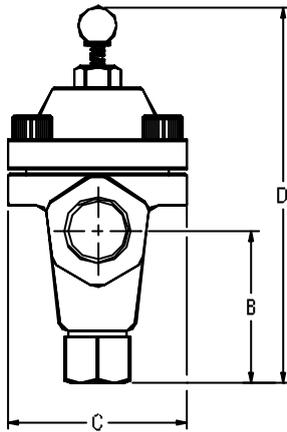
Closing pressure 1,5 bar



CONDENSATE DISCHARGE CAPACITY IN Kg/h

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)								
		0.1	0.2	0.3	0.4	0.5	0.6	0.8	1	1.5
CDV	1/2"-3/4"	220	280	380	420	470	520	585	630	780

How to order : i.e. CDV DN 1/2" BSP



**MATERIALS:**

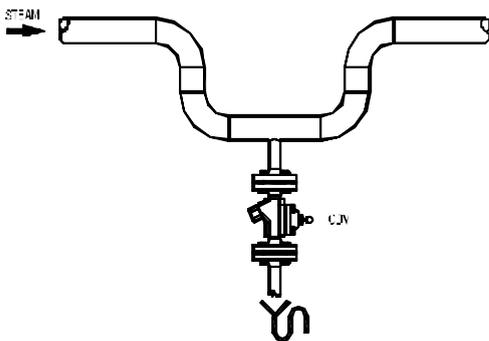
POS.NR.	DESIGNATION	MATERIAL
1	BODY	C 22.8(Eq.A105)
2	COVER	C 22.8(Eq.A105)
3 *	GASKET	NON ASBESTOS
4 *	VALVE CONTROLLER	STAINLESS STEEL
5 *	HAND PURGING KNOB	PLASTIC
6 *	STRAINER SCREEN	STAINLESS STEEL
7 *	GASKET	ST.STEEL/GRAPHITE
8	PLUG	C 22.8(Eq.A105)
9 *	GASKET	STAINLESS STEEL
10 *	GASKET	STAINLESS STEEL

\* AVAILABLE SPARE PARTS

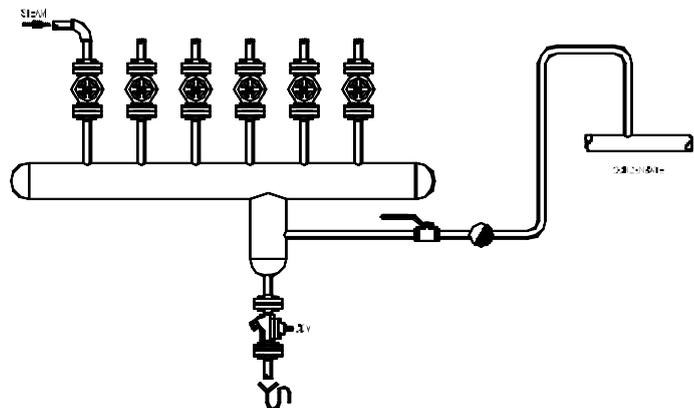
**DIMENSIONS (mm)**

DN	SCREWED ENDS				Kg	DIN FLANGES		Kg
	A	B	C	D		F		
1/2"	80	56	58	140	1,3	150	1,7	
3/4"	80	56	58	140	1,3	150	1,7	

**EXAMPLES OF INSTALATION**



Draining a steam main with an elevated condensate line.



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