CONDENSATE DRAIN VALVES
CDV32

DESCRIPTION

The ADCA CDV32 condensate drain valve automatically discharges air and condensate from steam systems during start-up. A compression spring keeps the valve open when the system is not pressurized. As soon as the operating pressure reaches the closing pressure to which the CDV is set, the valve closes. If the operating pressure drops below the closing set pressure, the spring force will cause the CDV32 to open once again.

MAIN FEATURES

Hand purging knob allowing operation with system under pressure for dirt removal.
Prevents vacuum and frost formation.
Built-in, easy-to-clean strainer.

USE: Saturated and superheated steam.

AVAILABLE MODELS: CDV32 – carbon steel.

SIZES: 1/2" and 3/4"; DN 15 and DN 20.

CONNECTIONS: Female threaded ISO 7 Rp or NPT.
Flanged EN 1092-1 PN 40.
Flanged ASME B16.5 Class 150 or 300.
Socket weld (SW) ASME B16.11.
Butt weld (BW) ASME B16.25 on request.

INSTALLATION: Vertical installation is recommended.
When installed in horizontal lines, ensure the outlet pipework is pointing downwards.
See IMI – Installation and maintenance instructions.

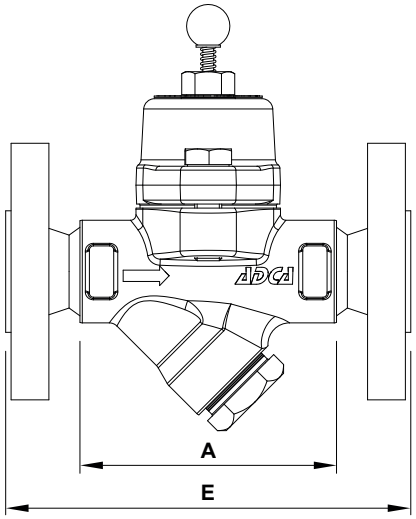
CE MARKING – GROUP 2 (PED – EUROPEAN DIRECTIVE)	
PN 40	**CATEGORY**
1/2" and 3/4" – DN 15 and 20	SEP

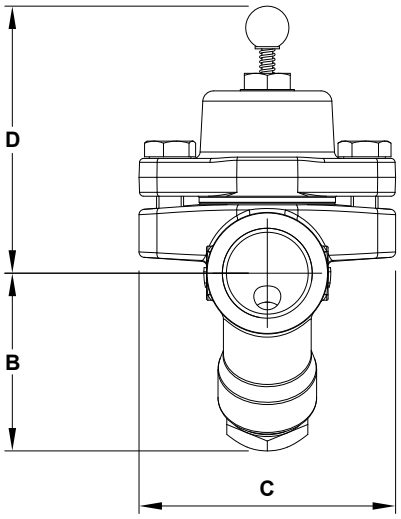
BODY LIMITING CONDITIONS		
FLANGED PN 40 / CLASS 300 *	**FLANGED CLASS 150 ****	**RELATED TEMPERATURE**
ALLOWABLE PRESSURE	**ALLOWABLE PRESSURE**	
40 bar	19,3 bar	50º C
35 bar	15,8 bar	150º C
30,4 bar	12,1 bar	250º C
27,6 bar	10,2 bar	300º C

Closing pressure: 1,5 bar. Others on request.
PMO – Maximum operating pressure: 22 bar.
TMO – Maximum operating temperature: 250 ºC.
* According to EN 1092-1:2018.
** According to EN 1759-1:2004.
Body limiting conditions PN 40 or below, depending on the type of connection adopted. Rating PN 40 for threaded, SW and BW versions.

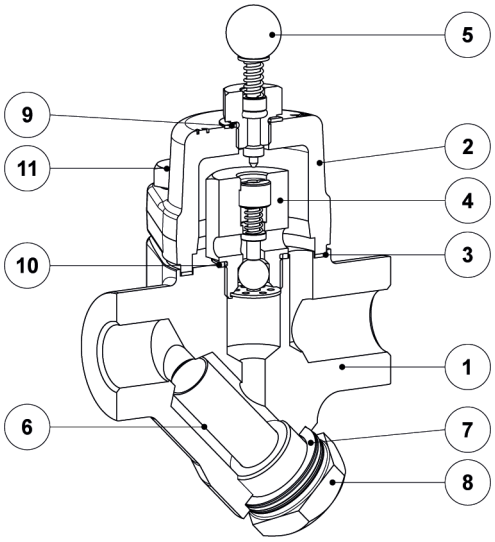
FLOW RATE CAPACITY (kg/h)										
MODEL	**SIZE**	**DIFFERENTIAL PRESSURE (bar)**								
		0,1	**0,2**	**0,3**	**0,4**	**0,5**	**0,6**	**0,8**	**1**	**1,5**
CDV32	**1/2" and 3/4" DN 15 and 20**	220	280	380	420	470	520	585	630	780

We reserve the right to change the design and material of this product without notice.



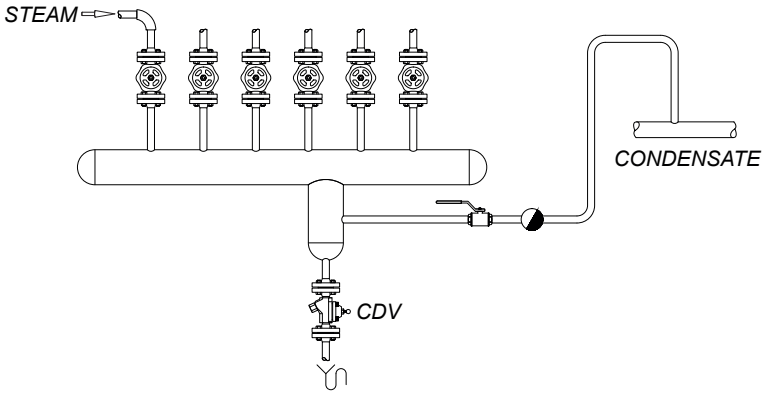


DIMENSIONS (mm)											
SIZE	THREADED / SW					PN 40		CLASS 150		CLASS 300	
	A	B	C	D	WGT. (kg)	E	WGT. (kg)	E	WGT. (kg)	E	WGT. (kg)
1/2" – DN 15	95	65	95	97	1,6	150	3,2	150	2,7	150	3,5
3/4" – DN 20	95	65	95	97	1,6	150	3,9	150	3,1	150	4,7

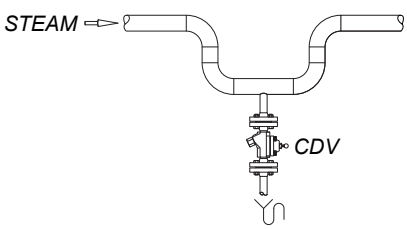


MATERIALS		
POS. No.	DESIGNATION	MATERIAL
1	Body	P250GH / 1.0460
2	Cover	P250GH / 1.0460
3	* Gasket	Stainless steel / Graphite
4	* Valve controller	AISI304 / 1.4301
5	* Hand purging knob	Plastic
6	* Strainer screen	AISI 304 / 1.4301
7	* Gasket	Stainless steel / Graphite
8	Strainer cover	A105 / 1.0432
9	* Gasket	AISI 304 / 1.4301
10	* Gasket	Copper
11	Bolt	Steel 8.8

* Available spare parts.



Draining a steam manifold with an elevated condensate line



Draining a water pocket in outdoor plants (this installation also prevents freezing)

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