

ADCA Ball float steam trap Type: 5932E Series: FLT steel maximum pressure difference 10 bar flange



ADCA float steam traps are universally applicable in all steam systems. The float mechanism guarantees a direct discharge of condensate at steam temperature. There is no stalling or subcooling in front of the steam trap, enabling a maximum heat transfer to take place in your heat exchanger. Due to the integrated bi-metal vent, the ADCA float steam traps will quickly discharge the air and other non-condensable gases during the start-up, which significantly reduces the start-up time. Due to the modulating action of the float, the ADCA float steam traps are insensitive to sudden changes in capacity or pressure. Another considerable advantage is that you can adjust the flow direction yourself; both from left to right and vice versa, as to vertical.



Characteristics

Series: FLT

Type: 5932E

Connection: Flange

Standard connection: EN 1092-1/02

Maximum pressure difference: 10 bar

PMA - maximum allowable pressure: 40 bar

TMA - maximum allowable temperature: 300 °C

PMO - maximum operating pressure: 32 bar

TMO - maximum operating temperature: 250 °C

Housing material: Steel

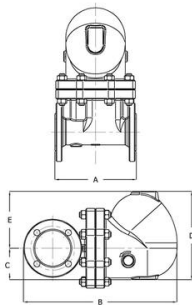
Material bonnet: Steel

Seat material: Stainless steel 303 (1.4305)

With automatic de-aerator: Yes

With built-in filter: No

Approvals: PED 2014/68/EU fluid group 2



Application

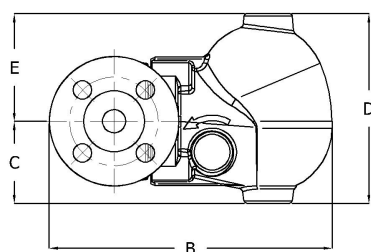
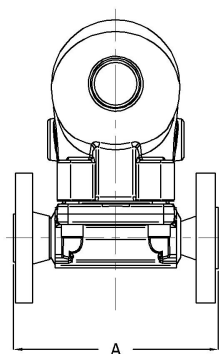
- Universally applicable for directly discharging of large quantities of condensate in among others: Heat exchangers.
- Air heaters.
- Counter current devices.

Technical Information

- CE marking - Group 2 (PED - European Directive): Version DN15, DN20, DN25 normal capacity: Category SEP.
- Version DN40, DN50 normal capacity: 1 (CE marked).
- Version DN25, DN50 high capacity: 1 (CE marked).

Options

- Steam Lock Release (SLR).
- Vent valve (HVV).
- Drain valve (BDV).
- Anti Freezing Unit (AFZ).
- Float lever (FLL).
- Vacuum breaker (VB21M).



Size table:

DN	Capacity	A mm	B mm	D mm	C mm	E mm	Weight kg/s
DN15	SC	150	160	139	60	79	6.2
DN20	SC	150	160	139	60	79	6.7
DN25	HC	160	212	189	73	116	12
DN25	SC	160	160	139	60	79	7.4
DN40	SC	230	250	215	80	136	21.9
DN50	HC	230	303	215	80	136	40.8
DN50	SC	230	250	215	80	136	23.8

Capacity table in kg/h								
Capacity	DN	Pressure difference [bar]						
		0.5	1	1.5	2	4.5	7	10
SC	DN15 t/n DN25	235	330	400	440	630	694	705
HC	DN25	445	610	705	850	1285	1670	1820
SC	DN40 - DN50	1500	2000	2600	3000	4000	5400	6200
HC	DN50	3900	5000	6100	7100	10000	13750	16000

Connection size	Pressure rating	Capacity type	Material quality body	Material quality	Mounting direction	Flow direction	PED classification	Article
DN15	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415250
DN15	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	left → right	PED-SEP	14415251
DN15	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED-SEP	14257611
DN20	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415252
DN20	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	left → right	PED-SEP	14415253
DN20	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED-SEP	14257612
DN25	PN40	HC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED cat. I	14415330
DN25	PN40	HC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	left → right	PED cat. I	14415331
DN25	PN40	HC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED cat. I	14257614
DN25	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415254
DN25	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415255
DN25	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED-SEP	14257613
DN40	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED cat. I	14415376

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Connection size	Pressure rating	Capacity type	Material quality body	Material quality	Mounting direction	Flow direction	PED classification	Article
DN40	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	left → right	PED cat. I	14415377
DN40	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED cat. I	14257615
DN50	PN40	HC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED cat. I	14415362
DN50	PN40	HC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	left → right	PED cat. I	14415363
DN50	PN40	HC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED cat. I	14257617
DN50	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Vertical	downward	PED cat. I	14415390
DN50	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	left → right	PED cat. I	14415391
DN50	PN40	SC	ASTM A216 WCB/1.0619	ASTM A216 WCB/1.0619	Horizontal	right → left	PED cat. I	14257616

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