

ADCA Ball float steam trap Type: 5131E Series: FLT steel maximum pressure difference 4,5 bar internal thread



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: 5131E

Connection: Internal thread

Standard connection: ISO 7/1 Rp

Maximum pressure difference: 4.5 bar

PMA - maximum allowable pressure: 37.1 bar

TMA - maximum allowable temperature: 300 °C

PMO - maximum operating pressure: 32 bar

TMO - maximum operating temperature: 250 °C

Housing material: Steel

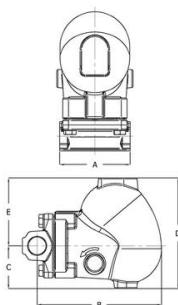
Material bonnet: Steel

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

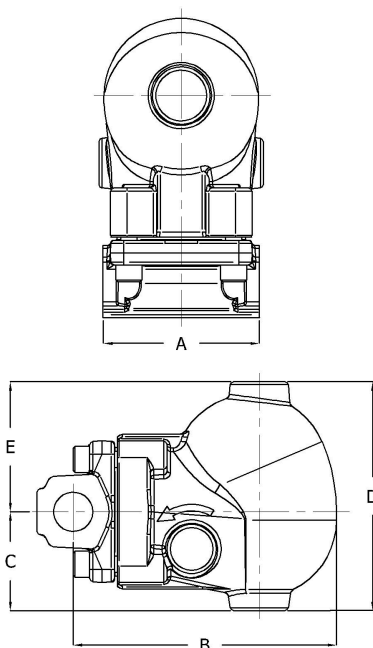
- Universally applicable for directly discharging of large quantities of condensate in among others: Heat exchangers.
- Air heaters.
- Counter current devices.

Technical Information

- CE marking - Group 2 (PED - European Directive): Normal capacity version: Category SEP.
- High capacity version: Category 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
1/2" [15]	SC	95	160	139	60	79	4.9
1" [25]	HC	120	212	189	73	116	8.9
1" [25]	SC	95	160	139	60	79	4.9
3/4" [20]	SC	95	160	139	60	79	4.9

Capacity table in kg/h						
Capacity	Size	Pressure difference (bar)				
		0.5 bar	1 bar	1.5 bar	2 bar	4.5 bar
SC	1/2" - 1"	305	395	455	500	680
HC	1"	900	1250	1490	1630	2490

Connection size	Nominal inner diameter	Pressure rating	Capacity type	Material quality body	Material quality	Mounting direction	Flow direction	PED classification	Article
1/2" BSP	DN15	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415292
1/2" BSP	DN15	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Horizontal	left → right	PED-SEP	14415293
1/2" BSP	DN15	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Horizontal	right → left	PED-SEP	14257584
1" BSP	DN25	PN40	HC	1.0460	ASTM A216 WCB/1.0619	Vertical	downward	PED cat. I	14415344
1" BSP	DN25	PN40	HC	1.0460	ASTM A216 WCB/1.0619	Horizontal	left → right	PED cat. I	14415345
1" BSP	DN25	PN40	HC	1.0460	ASTM A216 WCB/1.0619	Horizontal	right → left	PED cat. I	14257587
1" BSP	DN25	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415296
1" BSP	DN25	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Horizontal	left → right	PED-SEP	14415297
1" BSP	DN25	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Horizontal	right → left	PED-SEP	14257586
3/4" BSP	DN20	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Vertical	downward	PED-SEP	14415294
3/4" BSP	DN20	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Horizontal	left → right	PED-SEP	14415295
3/4" BSP	DN20	PN40	SC	1.0460	ASTM A216 WCB/1.0619	Horizontal	right → left	PED-SEP	14257585

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