

ADCA Ball float steam trap Type: 2933E Series: FLT ductile cast iron maximum pressure difference 14 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: 2933E

Connection: Flange

Standard connection: EN 1092-1/02

Maximum pressure difference: 14 bar

PMA - maximum allowable pressure: 16 bar

TMA - maximum allowable temperature: 250 °C

PMO - maximum operating pressure: 14 bar

TMO - maximum operating temperature: 250 °C

Housing material: Ductile cast iron

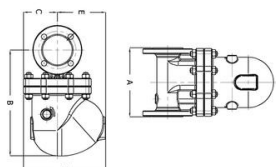
Material bonnet: Ductile cast iron

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

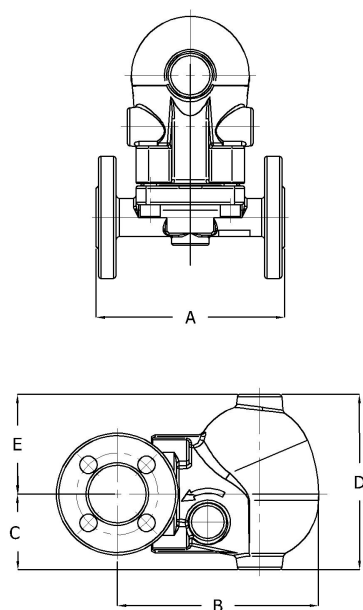
- CE-markering - Groep 2 (PED - European Directive): Uitvoering DN15, tot en met DN50 normale capaciteit: Categorie SEP.
- Uitvoering DN50 hoge capaciteit: 1 [CE gemarkeerd].

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	12	14
SC	DN15 - DN25	220	277	318	365	481	556	654	691	710
HC	DN25	335	445	515	600	885	1150	1350	1500	1610
SC	DN40 - DN50	950	1300	1600	1800	2600	3250	3900	4210	4950
HC	DN 50	1900	2700	3100	3600	5000	6900	8100	9000	9800

Connection size	Pressure rating	Capacity type	Material quality body	Material quality	Mounting direction	Flow direction	PED classification	Article
DN15	PN16	SC	EN-JS1030	EN-JS1030	Vertical	downward	PED-SEP	14415238
DN15	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED-SEP	14415239
DN15	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED-SEP	14257577
DN20	PN16	SC	EN-JS1030	EN-JS1030	Vertical	downward	PED-SEP	14415240
DN20	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED-SEP	14415241
DN20	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED-SEP	14257578
DN25	PN16	HC	EN-JS1030	EN-JS1030	Vertical	downward	PED-SEP	14415326
DN25	PN16	HC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED-SEP	14415327
DN25	PN16	HC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED-SEP	14257580
DN25	PN16	SC	EN-JS1030	EN-JS1030	Vertical	downward	PED-SEP	14415242
DN25	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED-SEP	14415243
DN25	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED-SEP	14257579
DN40	PN16	SC	EN-JS1030	EN-JS1030	Vertical	downward	PED-SEP	14415372
DN40	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED-SEP	14415373
DN40	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED-SEP	14257581
DN50	PN16	HC	EN-JS1030	EN-JS1030	Vertical	downward	PED cat. I	14415358
DN50	PN16	HC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED cat. I	14415359
DN50	PN16	HC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED cat. I	14257583
DN50	PN16	SC	EN-JS1030	EN-JS1030	Vertical	downward	PED-SEP	14415386

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Connection size	Pressure rating	Capacity type	Material quality body	Material quality	Mounting direction	Flow direction	PED classification	Article
DN50	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	left → right	PED-SEP	14415387
DN50	PN16	SC	EN-JS1030	EN-JS1030	Horizontal	right → left	PED-SEP	14257582

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