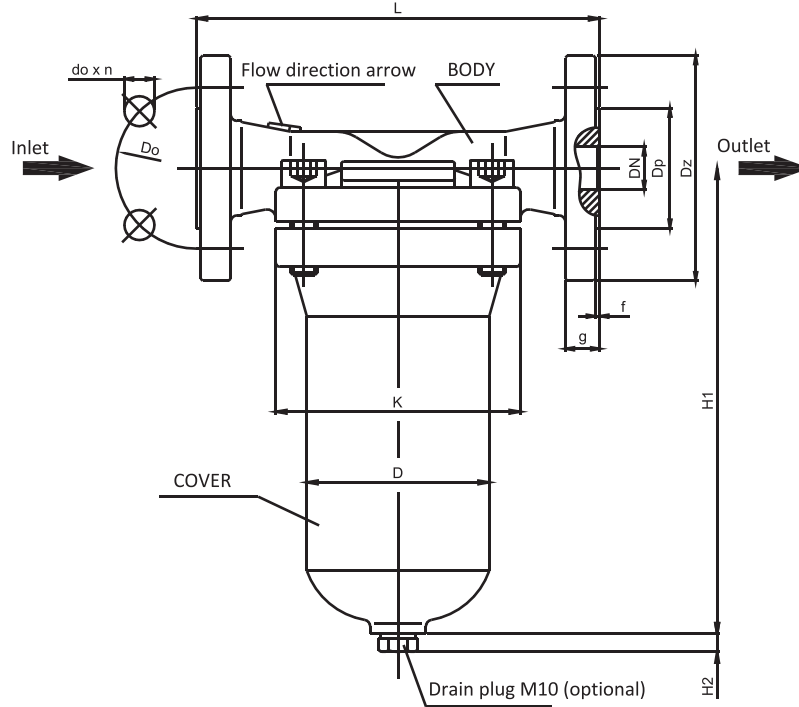


INVERTED BUCKET STEAM TRAP

TYPE: WZ-105

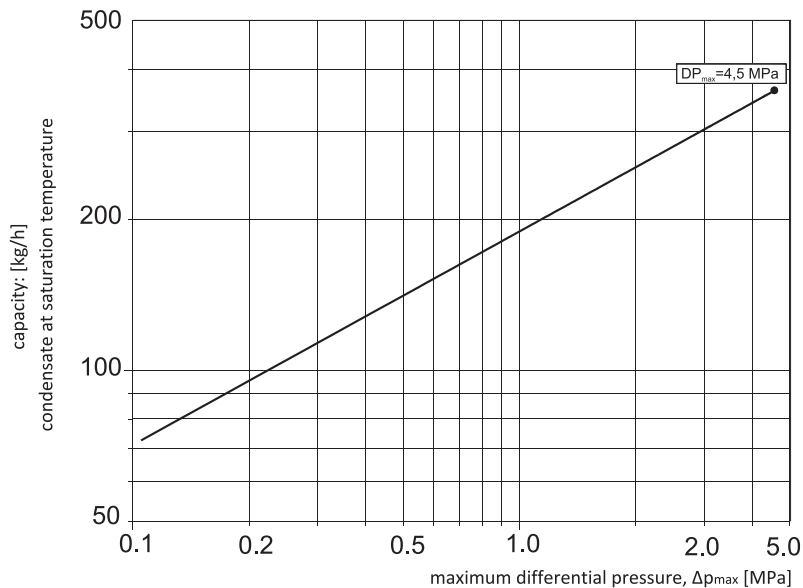
T_{max} : 425°C PN63 DN15-25



Main dimensions

DN	Dz	Do	do x n	Dp	g	f	L	H1	H2	K	D	mass
mm												
15	105	75	14x4	45	20	2	193	214	8	114	75	8,0
20	130	90	18x4	58	22	2	196	214	8	114	75	8,5
25	140	100	18x4	68	24	2	200	214	8	114	75	9,0

Capacity chart



1. Application range

Nominal pressure:	PN 6,3 MPa
Maximum allowable/testing pressure:	PMA/PT: 4,5/6,75 MPa
Maximum allowable temperature:	TMA: 425°C
Tightness testing pressure:	
(gas test according to PN-EN 26948:2000):	PT: 0,6 MPa
Tightness testing at negative pressure:	Pv: - 0,05 MPa

DN	PN	Casing testing pressure	Maximum allowable pressure PMA at related maximum allowable temperature TMA											
			-10°C -50°C	50°C	100°C	150°C	200°C	250°C	300°C	350°C	375°C	400°C	425°C	
mm	MPa	MPa	MPa											
15-25	6,3	6,75	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,35	4,17	3,96	3,7

2. Basic materials

Body, cover:	forged carbon steel P250GH (C22.8)
Anticorrosion coating:	standard version: nickel plating
Internal parts:	acid resistant high-alloy steel
Nozzle and needle:	hardened stainless steel (hardness ~60 HRC)

3. Design

Connections:	flanged DN15 – DN25, face type B1 acc. to PN-EN 1092-1 butt weld ends S ½" – S 1" flanges acc. to ANSI or DIN at the client's request
Optional external fittings:	drain screw (plug), drain valve
Optional internal fittings:	ball check valve

4. Characteristics

Invented bucket steam traps operate thanks to the difference in displacement of the float which is filled with condensate or a mixture of steam and water. Their use is recommended in conditions where you have variable quantities of condensate. They show high resistance to water hammer, overheating and corrosion (for more information – see page 5).

5. Requirements and testing

Flanges connecting sizes acc. to PN-EN 1092-1.
Face to face acc. to the table.
Design acc. to WUDT-UC-WO-D.
Manufacturing acc. to WUDT-UC-WO-W.
Pressure testing acc. to PN-EN 26948.
Certificate of conformity in acc. with PN-EN 10204.
According to the directive Pressure Equipment Directive 97/23/CE, WZ-105 series of steam traps are not subject to CE marking and have been made in accordance to art. 3, pos. 3 of the directive mentioned above.

6. Directions for ordering

When giving your order you should supply the following information:

- the maximum differential pressure of the steam trap Δp_{max} ,
- the maximum operating pressure,
- the maximum flow of the condensate through the steam trap Q_{max} ,
- the maximum operating temperature,
- type and size of the connections.

7. Additional information

- 24 months warranty compulsory acc. to the conditions which are in the manufacturer's warranty card.
- The manufacturer is able to undertake inspections and repairs of the fittings as well as replacement of the internal elements if required.
- All the requirements concerning the quality and technical specifications of the fittings should be taken into consideration in your order. With the fittings we provide specification sheets (technical and quality) as follows: standard – conformity declaration and Installation, Operation and Maintenance Manual, at the client's request – certificate 2.2 or 3.1.

We reserve the right to introduce some technical changes without notice.