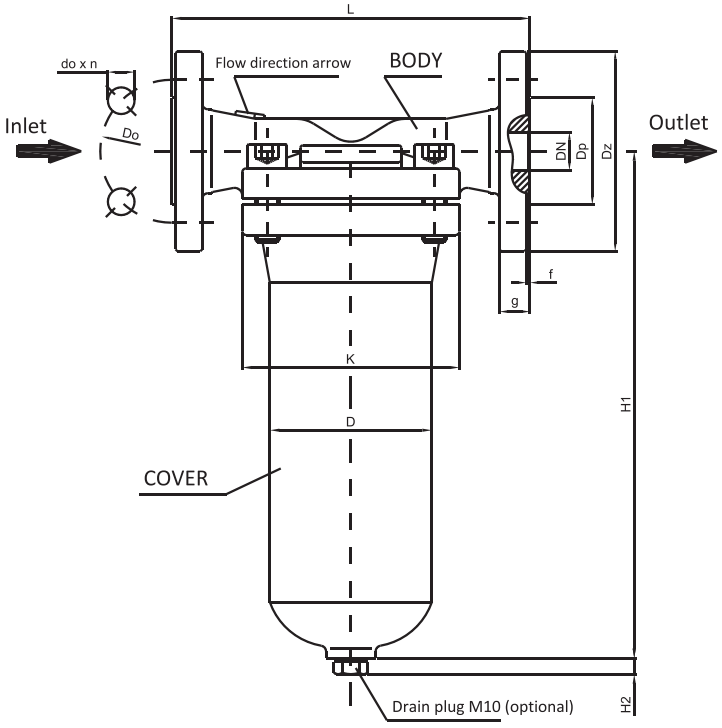
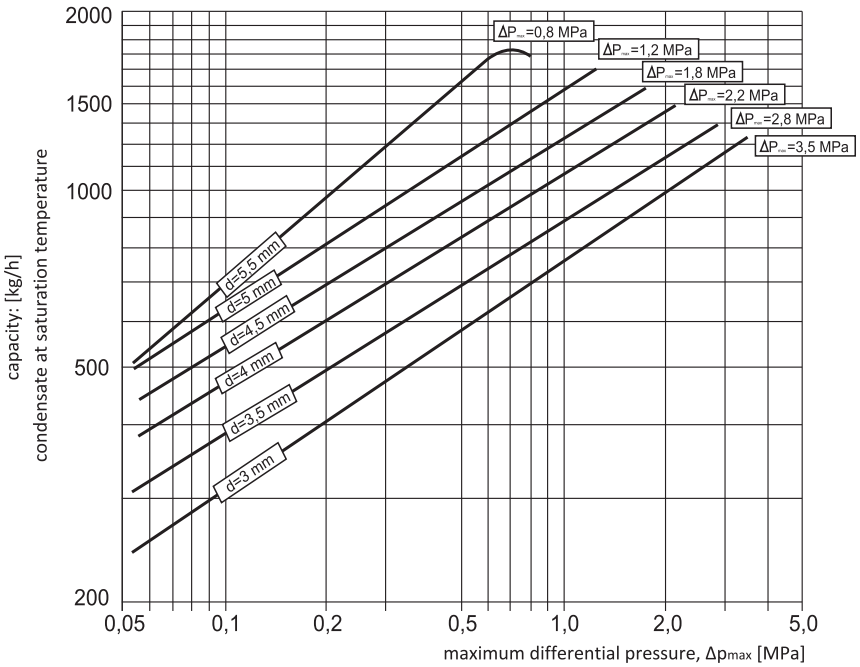
INVERTED BUCKET STEAM TRAP
TYPE: WZ-106
T_{max}: 400°C PN40 DN15-50



Main dimensions

DN	Dz	Do	do x n	Dp	g	f	L	H1	H2	K	D	mass
	mm											kg
15	95	65	14x4	45	16	2	185	263	8	75	114	8,0
20	105	75	14x4	58	18	2	188	263	8	75	114	8,5
25	115	85	14x4	68	18	2	188	263	8	75	114	9,0
32	140	100	18x4	78	18	2	188	263	8	75	114	10,0
40	150	110	18x4	88	18	3	188	263	8	75	114	11,0
50	165	125	18x4	102	20	3	192	263	8	75	114	12,0

Capacity chart



1. Application range

Nominal pressure: PN 4,0 MPa
Maximum allowable/testing pressure: PMA/PT: 4,0/6,0 MPa
Maximum allowable temperature: TMA: 400°C
Tightness testing pressure:
(gas test according to PN-EN 26948): 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
mm	MPa	MPa	MPa									
15-50	4,0	6,0	4,08	4,08	4,06	3,82	3,65	3,33	3,0	2,76	2,65	2,52

2. Basic materials

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

3. Design

Connections: flanged DN15 – DN50, face type B1 acc. to PN-EN 1092-1
internally screwed Rp ½" - Rp 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
Special installation options of the steam traps – see page 7

4. Characteristics

Inverted 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-106 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 Δpmax,
- 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.