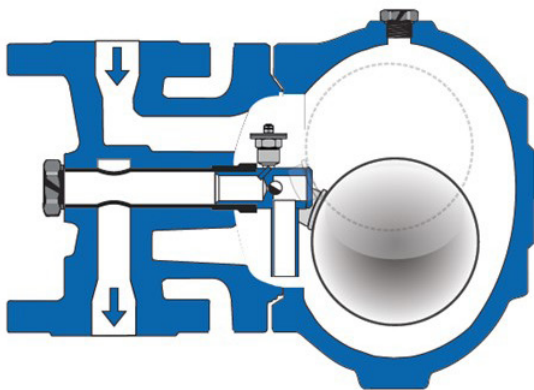


SERIE 20
FLOAT-CONTROLLED
STEAM TRAPS

Float-Controlled Steam Traps

Nominal diameter options (DN) 15-50
Nominal pressure options (PN) 16- 40
Maximum working temperature 400°C



Vario SO



Vario SU



Vario WR



Vario WL

FEATURES

Housing-Material: GP240GH

Connections/Dimensions: Flange DN 15-50, PN 16-40, connecting dimensions according to EN 1092-2. End to end dimensions acc. to DIN 3548, LK. dimensions acc. to ANSI B16.5

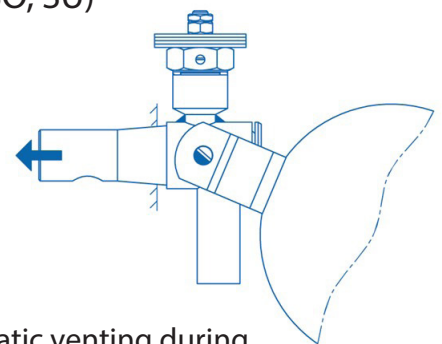
Media: Steam, air, gases on request

Function: Increasing level opens and decreasing closes the outlet without delay, independent of pressure and temperature fluctuations. The rotary slide valve is both swivel joint and shut-off device.

Installation: Vertical or horizontal direction of flow (type WR, WI, SO, SU)

Additional equipments:

- Start-up and permanent venting to interior, pressure diff. max. 32bar
- Gastight under-level float control
- Vent jet (interior)
- Reflective water level sight glass (RWG) up to 243 °C
- Drain plug
- Blow off valve for contaminants instead drain plug
- Check valve in outlet flange
- Bottom control valve to check min. condensate level
- Top control valve onstead control screw
- Float control assembly for special applications (gases)

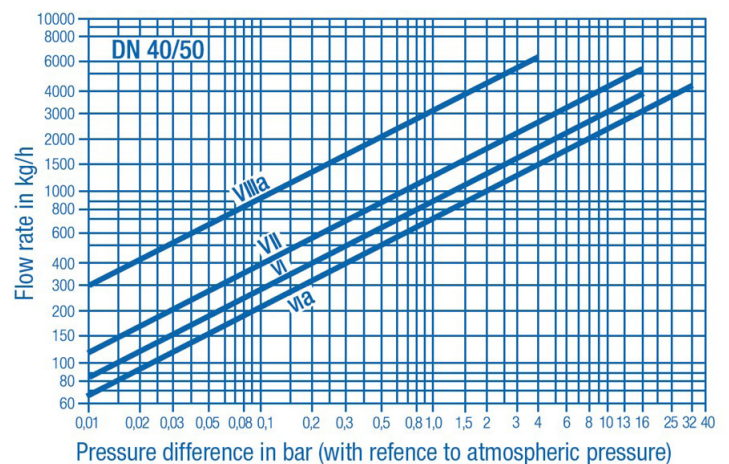
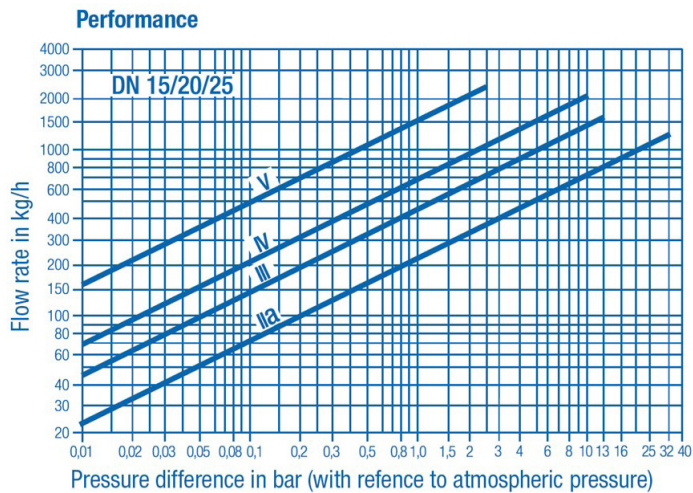


Automatic venting during start-up phase followed by continuous venting. Rising temperature closes while decreasing tempt. opens the passage.

OPERATION LIMITS:

Max. working pressure bar g	40	37	35	32	28	24	21
Max. working temperature °C	120	150	200	250	300	350	400

PERFORMANCE:



For cold condensate the flow rate is higher because of medium temperature and density.

FUNCTION LIMIT:

Cross section	Steam	Compressed air
II a	32	40
III	12	16
IV	10	14
V	2,6	3
VI	21	32
VI a	32	32
VII	18	26
VIII a	4,9	6

CE-MARK:

The pressure equipment described is a pressure-keeping component in accordance with the Pressure Vessel Directive 2014/68/EU of

DN15-25: acc. art4, sub3, no CE-mark

DN40-50: Conformity through the indet. mark CE0525.

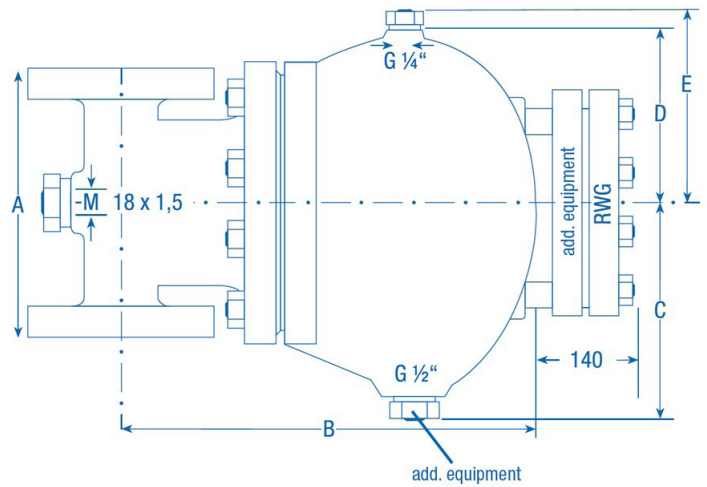
Float-Controlled Steam Traps

SERIE 20

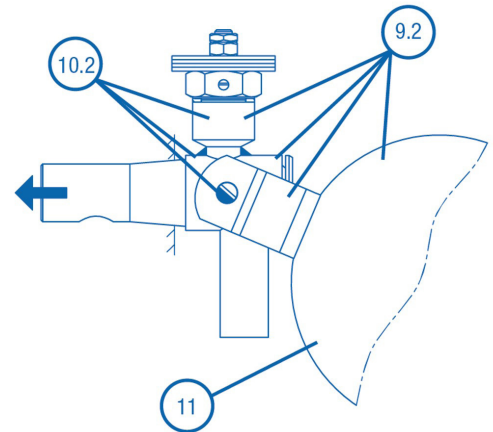
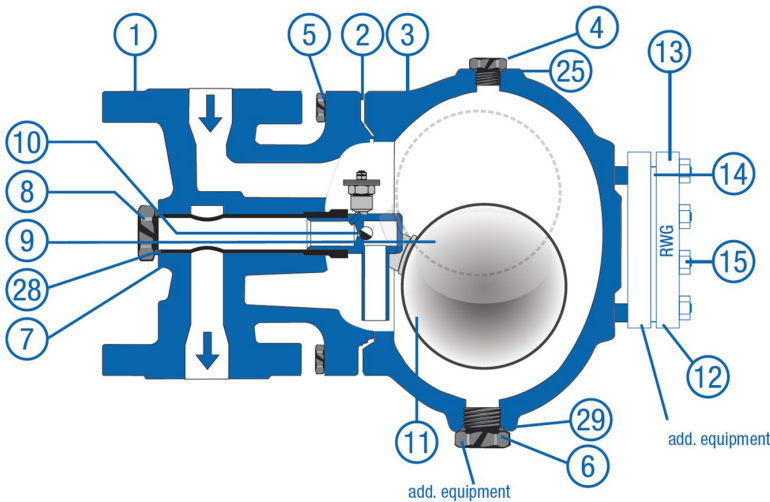


DIMENSIONS (dimensions in mm, weight in kg)

DN	15	20	25	40	50
A	150	150	160	230	230
B	240	240	240	310	310
C	115	115	115	150	150
D	95	95	95	142	142
E	105	105	105	152	152
weight	13	13,5	14	34,5	35
weight with RWG	14	14,5	15	36,5	37



SPARE PARTS



- 1. Housing flange: GP240GH
- 2. Seal: Soft iron
- 3. Main housing: GP240GH
- 4. Control screw: SS 1.4104
- 5. Set of stud bolts and nuts: A4-70, DIN 939/934
- 6. Drain plug: G 1/2", 5.8, DIN910
- 7. Protective sleeve: SS 1.4057
- 8. Support bolt: SS 1.4104
- 9.0 Float control assembly: SS 1.4057/1.4112/1.4301/1.4104 (1.4571)*
- 9.2 Complete Float Control with built-on bi-metallic capsule venting device: SS 1.4057/1.4112/1.4301/1.4104/SS-Hastelloy

- 10. Support assembly with rotary valve and cotter bin: SS 1.4057/1.4112/1.4301/1.4104 (1.4571)*
- 10.2 Complete supporting structure incl. rotary slide valve, cotter pin and built-on metallic capsule venting device**: SS1.4057/1.4112/1.4301.14104
- 11. Float with lever: SS 1.4301 (1.4571)*
- 12. Maxoglas: as per DIN 7081
- 13. RWG frame: P265GH
- 14. 2 gaskets for RWG: poor graphite with SS
- 15. Set of stud bolts and nuts: A4-70, DIN 938/934
- 25. Seal: Soft iron
- 26. Seal: Soft iron
- 27. Seal: Soft iron

* Depending on working conditions

** Due to sealing requirements marked items cannot be supplied as individual parts.