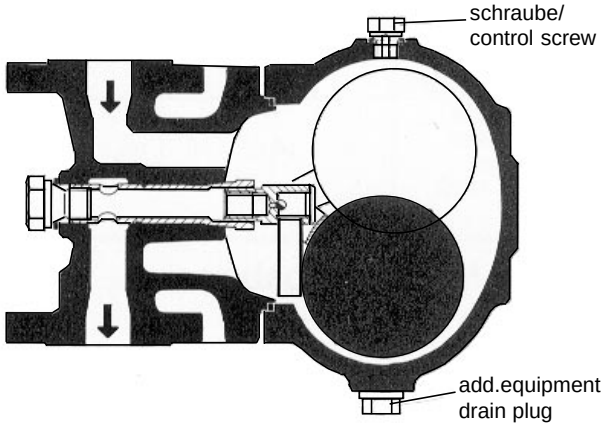
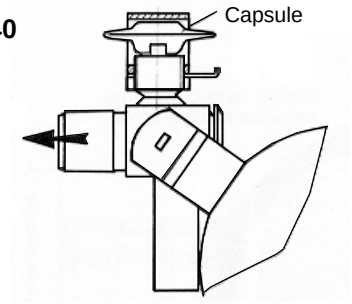
RIFOX

RIFOmat Float-Controlled Trap, Type Vario-1200, PN40

RIFOmat Float Controlled Trap , Type Vario, PN 40





For start-up and permament venting with high venting capacity. An special liquid inside the membrane capsule evaporates and condenses only a few degrees below the boiling point of water.

Connections / Dimensions : Flange DN 15 / 20 / 25 / 40 / 50, PN 40, connecting dimensions according to DIN 2501. End to end dimensions acc. DIN 3548, LK. Dimensions acc. ANSI, butt weld, socket weld threaded port on request.

Nominal pressure stage : PN 40

Max.working pressure barg	40	28	housing GGG-40.3
		32	housing GS-C25
Max.working temperature°C	120	300	for higher temperature on request

Media : Steam , air, gases on request.

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

Special caracteristics : A float-controlled trap for all flow directions and face to face length to DIN 3548, short series. The RIFOmat-Vario will be assembled as specified by customer. A change of flow direction can be accomplished in situ by merely rotating the housing flange and repositioning the float control unit.

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

Additional equipment against extra price :

- **RIFOka** start up and permanent venting to interior
- **Thermofix** start up and permanent venting (works standard RIFOair 8202)
- Vent jet (interior)
- Reflective water level sight glass (RWG) up to 243 °C.
- Drain plug
- Blow off valve for contaminants
- Check valve in outlet flange
- Bottom control valve to check min. condensate level
- Top control valve instead control screw
- Float control with special cross-section V and VIIIa
- Float control assembly for special applications (gases)

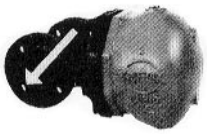
Function-limit : inlet pressure bar g

Float-control cross section	Steam	Compressed air
IIa	32	40
III	13	15
IV	11	14
V	2,5	3
VI	17	24
VIa	32	32
VII	16	24
VIIIa	4	5

Flow directions

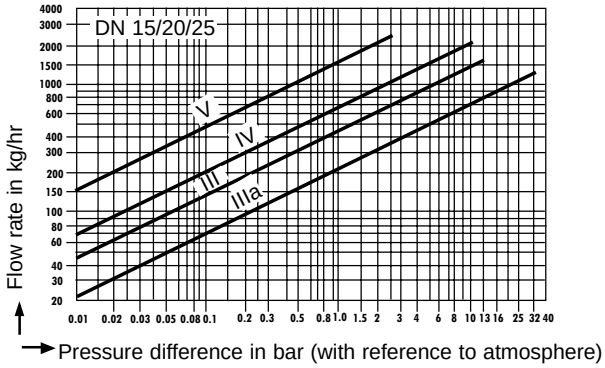

Vario-SO

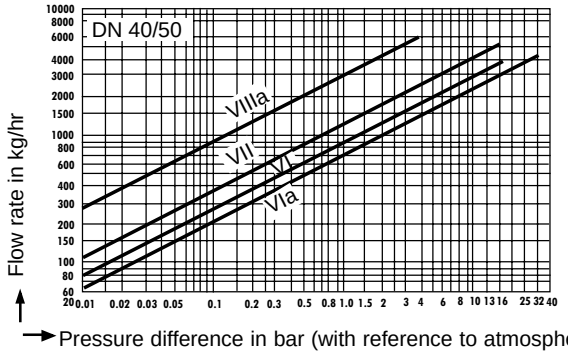

Vario-SU


Vario-WR

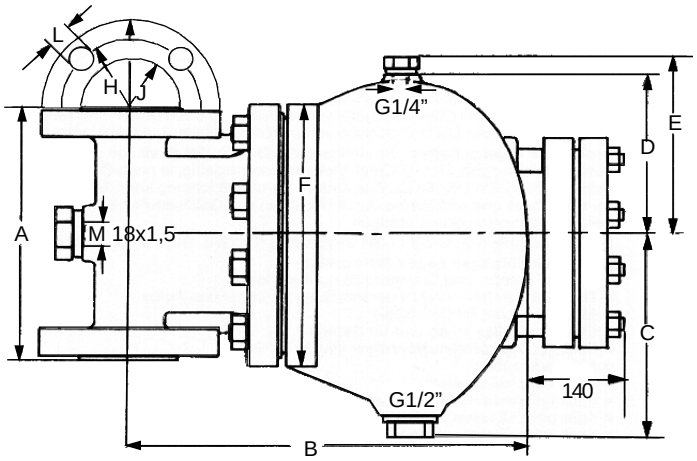

Vario-WL

Perfomance





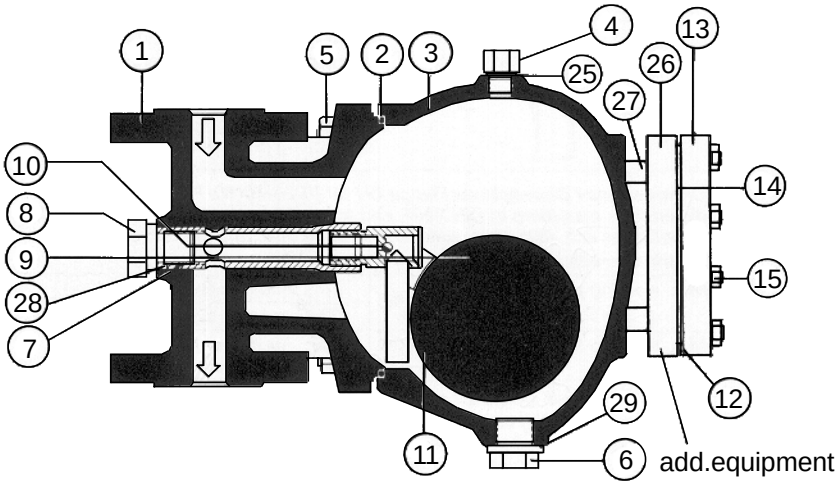
Perfomance values apply to hot condensate. For cold condensate performance value is approx. 45% higher.

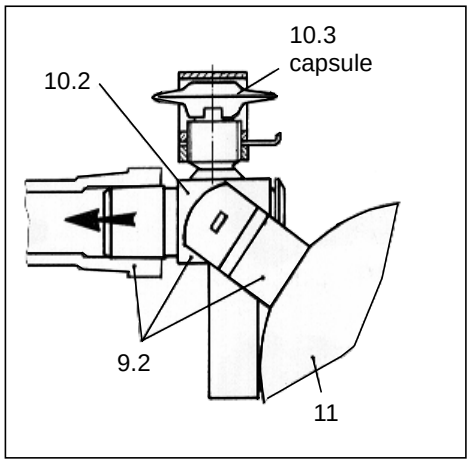


Dimensions (in mm), Weight (in kg)

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	135	135
E	105	105	105	145	145
F	155	155	155	215	215
G	95	105	115	150	165
H	65	75	85	110	125
J	45	58	68	88	102
L	14	14	14	18	18
Weight	13	13,5	14	34,5	35
Weight with RWG	14	14,5	15	36,5	37

Spare Parts For Type Vario 1200 with material data





1 Housing flange : GS-C25 or GGG-40.3
2 Seal : Cu/Soft iron
3 Main housing : GS-C25 or GGG-40.3
4 Control screw : SS 1.4104
5 Set of stud bolts and nuts : DIN 939/934
6 Drain plug : G 1/2, 9S20k
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 membrane capsule venting device RIFOka.SS 1.4057/ 1.4112/1.4301/1.4104/VA-Hastelloy/SS-Hastelloy
10.0 Support assembly with rotary valve cotter pin: 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 RIFOka-membrane capsule venting device SS 1.4057/1.4112/ 1.4301/1.4104
10.3 Capsule : VA-Hastelloy/SS-Hastelloy
11 Float with lever : SS 1.4301(1.4571)*
12 As per DIN 7081
13 RWG frame : St 37-2
14 2 gaskets for RWG : poor graphite with SS
15 Set of stud bolts and nuts : A4-70, DIN 938/934
25 Seal : Cu/Soft iron
26 Frame : St 37-2/P 265 GH
27 Cutting ring threaded joint : St
28 Seal : Cu/Soft iron
29 Seal : Cu/Soft iron

* Depending on operating conditions.
** Due to sealing requirements marked items cannot be supplied as individual parts.
To ensure correct parts delivery, specify part number, works standard-sheet number, DN, and for control components the cross-section.