

Volume flow controller VarioE



- Keeps the volume flow at a constant level, regardless of differential pressure. No multiple adjustments required
- Minimum inlet pressure only 17 kPa
- Easy adjustment of the volume flow by means of a table
- Very easy adjustment even in the case of major pressure variations in the system
- No pulse line, no partner valve required

Application The control insert Vario is an automatic volume flow controller which limits the volume flow/keeps it at a constant level regardless of pressure variations. It is adjusted from the outside by means of a special adjustment key.

Application areas

- As line fitting in the distribution lines
- For hydraulic optimisation of single line heating systems
- As control valve upstream of underfloor heating manifolds
- For adjusting the water volume upstream of chilled ceilings and ceiling radiators

Pre-adjustment The differential pressure above the pre-adjustment (1) is kept at a constant level and automatically controls the pre-adjustment (2) which keeps the flow rate at a constant level.

Technical specifications

System connection

See ordering table

Nominal pressure

Max. 25 bar

Nominal diameter

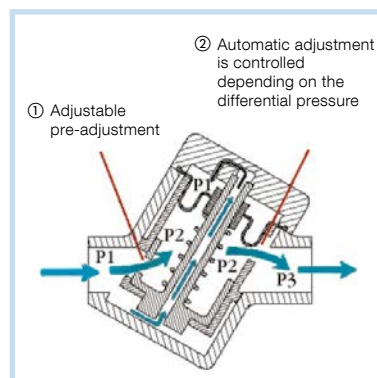
DN 15, DN 20, DN 25, DN 32, DN 40, DN 50

Operating temperature range

Medium: $T_{\min} = -20\text{ °C}$ / $T_{\max} = 120\text{ °C}$

Housing

Brass



DN	Connection	Flow rate range m^3/h^*	Flow coefficient NS	Part no.	Price in €
15	Rp $\frac{1}{2}$ x Rp $\frac{1}{2}$	0.10 – 0.412	2.6	736 111.901	
20	Rp $\frac{3}{4}$ x Rp $\frac{3}{4}$	0.157 – 0.609	2.6	736 121.902	
25	Rp1 x Rp1	0.276 – 0.825	2.6	736 031.903	
25	Rp1 x Rp1	0.535 – 5.83	12.5	736 131.906	
32	Rp1 $\frac{1}{4}$ x Rp1 $\frac{1}{4}$	0.535 – 5.83	12.5	736 141.906	
40	Rp1 $\frac{1}{2}$ x Rp1 $\frac{1}{2}$	3.18 – 16.10	23.0	736 151.907	
50	Rp2 x Rp 2	3.18 – 16.10	23.0	736 161.907	

Accessories			
Version	Nominal diameter	Part no.	Price in €
Adjustment key	---	739 902	
Flushing cap	DN 15 – 25	793 910	
Flushing cap	DN 25 – 40	739 911	
Flushing cap	DN 40 – 50	739 912	

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See the AFRISO-Gampper planner folder for additional connection possibilities and dimensions.