

dynamic thermostat valve body

benefits

- automatic control of water volume
- fast hydraulic balancing without calculation of pipe system and measuring instrument
- high reserve due to adjustment range up to 290 l/h
- patented, simple valve insert provides protection against pollution

Application

Suitable for small to large water volumes. For installation in dual-pipe heating systems. The dynamic valve range Vario-DP makes hydraulic balancing in single and two family homes an easy and fast job.

Description

Low-noise thermostat valve body with threaded connection M30 x 1.5 mm for thermostat control heads and actuators. Mounting cap with valve shut-off function. Adjustment range 20 to 340 l/h, fully adjustable with standard radiator bleed screw key. Pre-adjustment directly readable without scale.

The patented valve insert with automatic flow limiter automatically limits the water volume adjusted at the valves, independent of pressure variation in the heating system. This means that Vario-DP always supplies the right water volume to the radiator, regardless of the number of open or closed thermostat valves in the system. The valve insert can be replaced with the MGV mounting unit at operating pressure without the system having to be drained.

Technical Specifications

System connection
see ordering table

Thermostat head/actuator connection
Threaded connection M 30 x 1.5 mm

Adjustment range
20 – 340 l/h

Nominal pressure
max. 10 bar

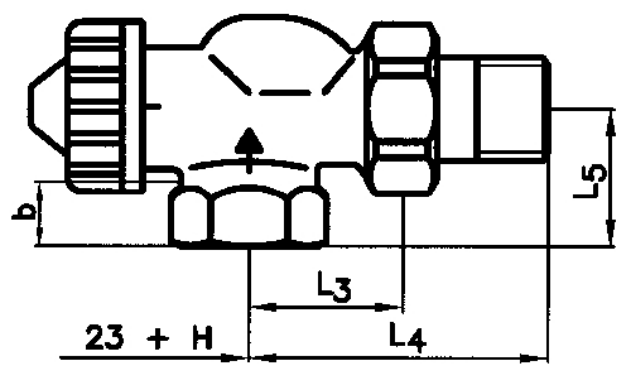
differential pressure (Δp)
15/70 kPa

Operating temperature range
Medium: max. 90 °C

Housing
Gunmetal, nickel-plated

Technical Drawings

Vario-DP – axial



Dimensions (mm)

DN	D	b	L0	L1	L2	L3	L4	L5
10	Rp⅜	10,1	23	59	85	26	52	25
15	Rp½	13,2	23	66	95	29	58	26
20	Rp¾	14,5	23	74	106	34	66	29

H: Height control head

Versions

	Version	Nominal diameter	Connection		Part no.
Vario-DP	centre back	DN 15	Rp⅜ x R⅜	●	163 020.100

● in-stock items

○ Non-stock items