

Combination blocks VarioQ-Kombi for compact radiators with valve



- Fixed, calibrated measuring unit for accurate adjustment of the radiator
- Hydraulic balancing with series HMG measuring instruments
- For wall or floor connection, also suitable for baseboard heating systems



Application For measuring the volume flow directly at the radiator, e.g. with the measuring instruments HMG 01/10/100 for hydraulic balancing. Suitable for small and medium water volumes. For connection to compact radiators with valve with an axis distance of 50 mm in dual-pipe heating systems. Adjustments are made either via the adjustable valve insert in the compact radiator or via the VarioQ combination block.

Description Adjustable combination block with measuring function VarioQ-Kombi with drain and shut-off feature. The volume flow is measured via an integrated, fixed and calibrated measuring unit. With cap to protect against incorrect operation.

VarioQ-Kombi is a part of the product range for the triple-stage balancing system VarioQ which allows for optimisation of the heating pipe system by means of calculation, measurement and adjustment. The free VarioQCalc software automatically determines the optimum water volume per radiator and selects the required combination blocks. This information is transferred to the HMG 10 or HMG 100 measuring instrument via USB data cable. The measuring instrument measures the flow rate in litres per hour. Even minimum flow rates can be set with this system.

Technical specifications

System connection (valve radiators)

G $\frac{3}{4}$ eurocone or G $\frac{1}{2}$ female thread

Nominal pressure

Max. 10 bar

Nominal diameter

DN 15

Operating temperature range

Medium: T_{max} = 120 °C

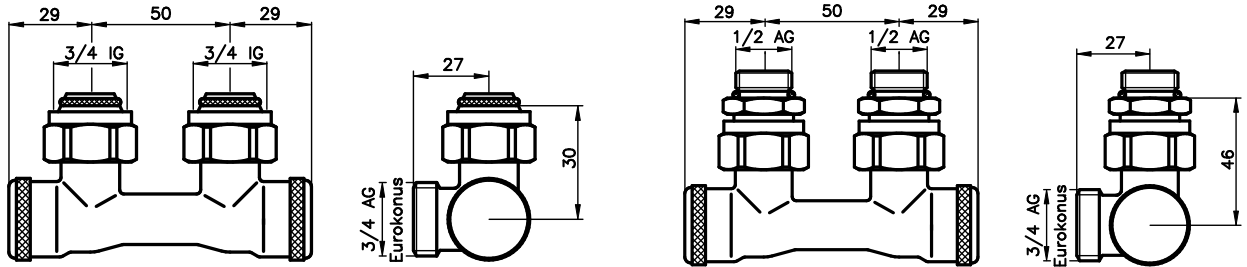
Housing

Gunmetal, nickel-plated

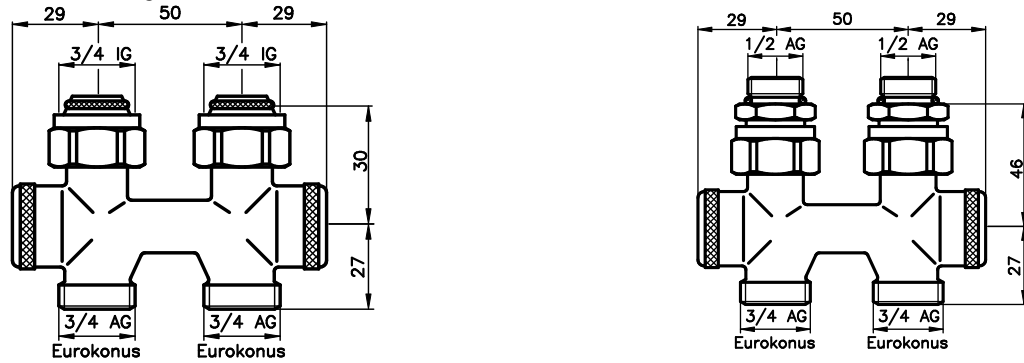
Combination blocks VarioQ-Kombi for compact radiators with valve

Types and dimensions (mm)

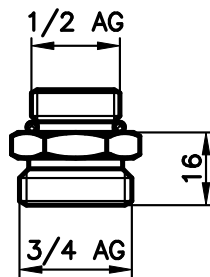
VarioQ-Kombi S, M – angled



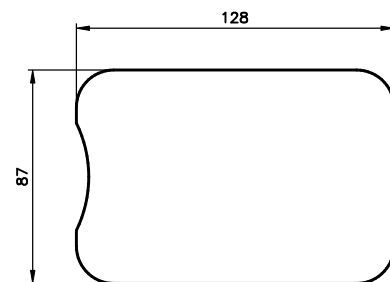
VarioQ-Kombi S, M – straight



Adapter for radiators with R $\frac{1}{2}$ female thread



Cover



Combination blocks VarioQ-Kombi for compact radiators with valve

| DG: V, PG: 2 | Version | Nominal diameter | Radiator connection | Flow coefficient* (m ³ /h) |  |  | Part no. | Price € |
|---|-------------------------------------|------------------|--------------------------------------|---------------------------------------|---|---|----------------|---------|
| VarioQ-Kombi S for small water volumes | | | | | | | | |
|  | Angled | DN 15 | G $\frac{3}{4}$ male thread eurocone | 0.25 | 1 | - | 423 721 | |
|  | Straight | DN 15 | G $\frac{3}{4}$ male thread eurocone | 0.25 | 1 | - | 423 771 | |
| VarioQ-Kombi M for medium water volumes | | | | | | | | |
|  | Angled | DN 15 | G $\frac{3}{4}$ male thread eurocone | 0.585 | 1 | 20 | 423 521 | |
|  | Straight | DN 15 | G $\frac{3}{4}$ male thread eurocone | 0.585 | 1 | 20 | 423 571 | |
| VarioQ-Kombi S for small water volumes | | | | | | | | |
|  | Angled | DN 15 | G $\frac{1}{2}$ female thread | 0.25 | 1 | - | 423 821 | |
|  | Straight | DN 15 | G $\frac{1}{2}$ female thread | 0.25 | 1 | - | 423 871 | |
| VarioQ-Kombi M for medium water volumes | | | | | | | | |
|  | Angled | DN 15 | G $\frac{1}{2}$ female thread | 0.585 | 1 | - | 423 621 | |
|  | Straight | DN 15 | G $\frac{1}{2}$ female thread | 0.585 | 1 | - | 423 671 | |
|  | Adjustment key Vario Q-Kombi | | | | | | 422 520.800 | |

* The flow coefficient corresponds to the water flow in m³/h through the valve at a given valve stroke (proportional offset, e.g. 1 K or 2 K) and a differential pressure of 1 bar.