

# 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



Page 231



Page 242

**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 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<sub>max</sub> = 120 °C

**Housing**  
Gunmetal, nickel-plated

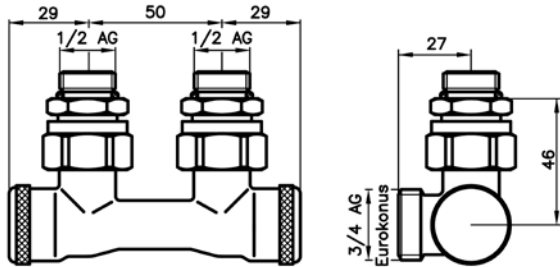


See page 242 for prices.

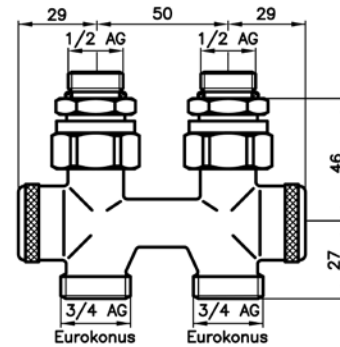
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Types and dimensions (mm)

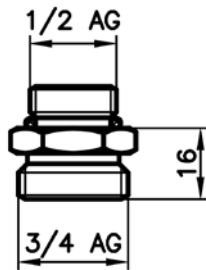
VarioQ-Kombi S, M – angled











VarioQ-Kombi S, M – straight



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



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| DG: V, PG: 2  | Version  | Nominal diameter | Radiator connection | Flow coefficient* (m³/h) |  |  | Part no.       | Price € |
|---|--|------------------|---------------------|--------------------------|---|---|----------------|---------|
| <b>VarioQ-Kombi S</b> for small water volumes                                       |  |                  |                     |                          |   |   |                |         |
|    | <b>Angled</b>  | DN 15            | G½ female thread    | 0.25                     | 1   | -   | 423 821        |         |
|    | <b>Straight</b>  | DN 15            | G½ female thread    | 0.25                     | 1   | -   | 423 871        |         |
| <b>VarioQ-Kombi M</b> for medium water volumes                                      |  |                  |                     |                          |   |   |                |         |
|    | <b>Angled</b>  | DN 15            | G½ female thread    | 0.585                    | 1   | -   | <b>423 621</b> |         |
|   | <b>Straight</b>  | DN 15            | G½ female thread    | 0.585                    | 1   | -   | 423 671        |         |
| <b>Accessories</b>  |  |                  |                     |                          |   |   |                |         |
|  | <b>Adjustment key Vario Q-Kombi</b>  |                  |                     |                          |   |   | 422 520.800    |         |
|  | <b>Filling and draining unit FEV 03</b><br>For type 454Q, S and M as well as Vario Q-Kombi |                  |                     |                          | 1   | -   | 422 520.810    |         |

\* 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.