

HKV2013A-AFC

Heating manifold for underfloor heating

with automatic flow control



Overview of features

This heating manifold with automatic flow control is an ideal supplement to the vast range of Watts manifolds.

- The flow rate for each heating circuit can be continuously adjusted via a regulating shut-off valve integrated in the return circuit. The inspection glasses integrated into the manifold's supply enable visual function checks.
- M30x1.5 valve connection for all common actuators (optional accessory).
- Precise adjustment even at high flow rates.
- Premium quality o-ring valve gaskets (EPDM) ensure permanent ease of operation and high durability.
- 1" MT flat-sealing connections to heat generator, connection to heating circuits via 3/4" euro cone for clamping connections.

- Includes an end set with 3/4" swivel connection for shut-off, filling, draining and flushing (ball valves are optional

accessories and not included in the scope of supply).

- Ready-mounted on wall bracket, low-noise pipe clamps in accordance with DIN 4109.

HKV2013A-50-1"-AFC

- Compliant with BS EN 1264-4
- With automatic flow control
- Continuously adjustable regulating valve for each heating circuit
- Precise adjustment even at high flow rates
- Visual flow control for each heating circuit
- With shut-off, filling, draining and flushing device
- Ready-mounted on wall bracket
- Available for configurations of 2 up to 12 heating circuits
- Wide range of hydraulic connections and accessories available



Key features and benefits



- Watts heating manifolds of the HKV2013A-AFC series greatly simplify the hydraulic balancing of the supply circuits of underfloor heating/cooling systems.
- The calculated flow rate for each heating circuit can be easily adjusted at the valve.
- An inspection glass integrated in the supply connection of the manifold allows visual function checks at any point in time.
- Watts also offers a comprehensive range of perfectly matched products including actuators, connection accessories, flush- and surface-mount manifold cabinets, pump groups, control units, heat interface units, radio connection boxes and components for Smart Home systems for room temperature control.
- Alongside the electronically controlled Smart Balancing series and differential pressure-based hydraulic balancing valves of the MH series, automatic flow control manifolds by Watts provide yet another simple yet effective balancing method for radiant panel heating/cooling systems.
- Investments in the modernisation of heating systems, including hydraulic balancing, may be eligible for government subsidies (e.g., the German Federal Ministry for Economic Affairs and Energy may provide funding for up to 30 % of a project's investment costs). For more information, refer to: https://www.bafa.de/EN/Energy/energy_node.html.





- Perfectly matched products
- Flexible and extendible system
- Wide range of accessories and supplementing systems from a single source

• One provider, one system – from heat transfer and heating control through to domestic hot water generation.



Compatible systems from the Watts product portfolio

In addition to its manifolds for radiant panel heating/cooling systems, Watts offers a wide range of supplementary systems, such as pump groups, hydraulic control units for manifolds, heat interface units and many more.



e.g., **Flowbox HK20/HKM20 pump group** for the distribution of hot water from the heat generator to the heat generator to the load circuits or heat accumulators.



e.g., **IsomixF hydraulic control unit for manifolds** ready-to-mount, compact control unit to control supply temperature in radiant panel heating systems.



HIU2 HKM heat interface unit for transferring heat from local or district heating networks to heating and domestic hot water (DHW) systems.



Watts® Vision® Smart Home system for intelligent control of heating, lighting and domestic appliances.

Supply range

Model	Part no.	Description
HKV2013A-50-1"-AFC VA02	10081563	for 2 heating circuits
HKV2013A-50-1"-AFC VA03	10081564	for 3 heating circuits
HKV2013A-50-1"-AFC VA04	10081565	for 4 heating circuits
HKV2013A-50-1"-AFC VA05	10081566	for 5 heating circuits
HKV2013A-50-1"-AFC VA06	10081567	for 6 heating circuits
HKV2013A-50-1"-AFC VA07	10081568	for 7 heating circuits
HKV2013A-50-1"-AFC VA08	10081569	for 8 heating circuits
HKV2013A-50-1"-AFC VA09	10081570	for 9 heating circuits
HKV2013A-50-1"-AFC VA10	10081571	for 10 heating circuits
HKV2013A-50-1"-AFC VA11	10081572	for 11 heating circuits
HKV2013A-50-1"-AFC VA12	10081573	for 12 heating circuits

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