

iDROSET® Series MH

The **balancing** system for radiant heating





Easy set-up in 3 steps

Constant flow rate in each heating loop

Energy savings and comfort

Reliable performance

Robust and compact design

Retrofit solution

Why hydraulic balancing?

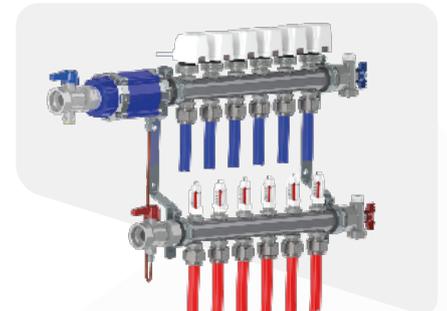
During operation of a system, the working conditions change due to the dynamic working of the system and require an ongoing re-adjustment to guarantee optimum and energy efficient operation.

Therefore the system requires constant balancing of the individual loops which consist of differences in length and diameter, which results in different pressures and flows.

A static balancing device helps to adjust the system to the design point during the highest demand.

A dynamic balancing device provides best performance in all conditions.

Solution by Watts: a «magic balancing»



Operating principle:

Series MH is a device for hydraulic adjustment of heating systems, combining both, static and dynamic balancing principles

How it works:

Thanks to the technology of the MH valve, the flow rate set in each individual heating circuit will be maintained constant;

Series MH is a solution for time and cost saving installation in heating.



Key features and benefits



Easy set up

Easy and time saving hydraulic balancing in 3 steps:

- 1) start up completely open loops;
- 2) set up the worst loop flow;
- 3) set up all the other flows.

Constant flow rate:

Series MH will maintain the pressure drop on the manifold constant, thus ensuring constant flow rate in each heating loop.

Energy savings and comfort

- No oversupply of the individual heating circuits;
- Response time reduction of heating systems;
- increased comfort thanks to optimum temperature distribution.

Reliable performance

- Consulting engineer designs the system;
- System is installed and commissioned based on design set-points;
- The heating system operates in part-load during most of its operation, which leads to uncontrolled system performance;
- Optimum performance and a dynamically balanced system during the entire heating season.

Retrofit solution

- Balancing;
- Eliminate room temperature fluctuation;
- Manage comfort;
- Avoid noise.





Optimization of heating system results in energy saving between 17 and 26%*.

(*Source: Optimus Study-Germany www.optimus-online.de/pdf/Kurzbericht-Technik.pdf)

Robust and compact design

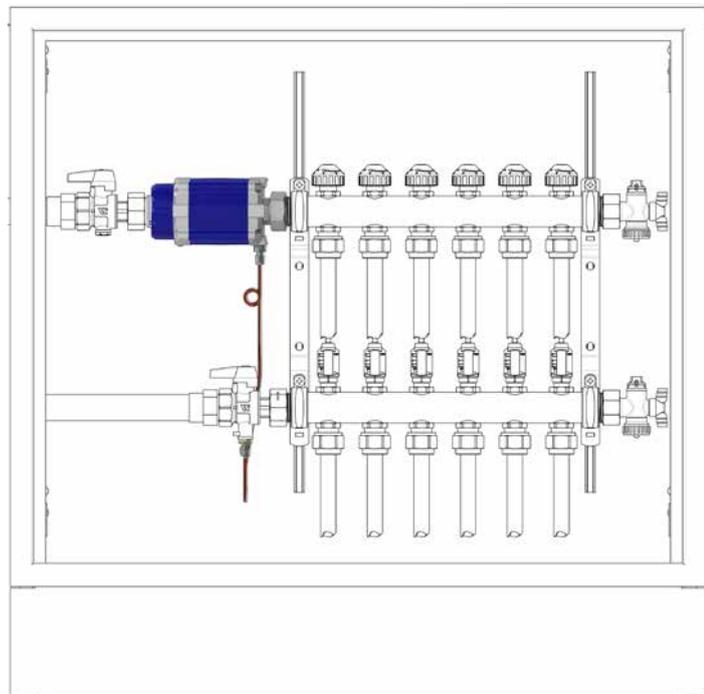
Connection: G1" on return manifold
 PN=10 bar
 Δp setting range=15÷50 kPa
 Max Δp =2 bar
 Temperature range=5÷80°C
 Easy to set-up
 Locked pressure setting ring
 Compact dimensions

Retrofit solution

iDROSET® Series MH is an optimum product for retrofitting of installed systems, resulting in energy savings.

Product range

Type	Part no.	Connection	Adjustment range	Weight (g)
MH	MH001WB	Inlet G 1" union nut, outlet G 1" male thread	15÷50 kPa	1200
MH	MH100WB	Inlet G 1" male thread, outlet G 1" union nut	15÷50 kPa	1200



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