

HERZ-Radiator-Thermostatic Valves 120-V Smart

CERTIFICATE OF COMPLIANCE WITH THE ORDER 2.1

According to EN 10204

The **HERZ-Radiator-Thermostatic Valves 120-V Smart 1 7623 51** (straight model), **1762451** (angle model) and **1762851** (reverse angle model) are used for temperature control and automatic hydronic balancing in a two-pipe heating and cooling systems.

The HERZ-TS-120-V-SMART thermostatic valve has an integrated differential pressure regulator. This enables the HERZ-TS-120-V-SMART thermostatic valve to keep the flow rate at the radiator constant under changing pressure conditions. Pressure fluctuations caused by the opening or closing of other radiators in the system are compensated for. Neither system modifications or extensions require readjustment or a change of setting on the HERZ-TS-120-V-SMART thermostatic valve, which keeps the effort for hydraulic balancing low.

MATERIAL:

Valve body	DZR brass
Pin	stainless steel
Membrane	EPDM
O-rings	EPDM
Spring	stainless steel
Pipe connection	DZR brass
Protective cap	plastic

FUNCTION:

Each delivery valve is tested to impermeability and the valve is permanently embossed with the test mark.

The surface material is abrasively blasted and the brass is nickel plated.

Maximum operating temperature	120 °C
Maximum operating pressure	10 bar
Regulated flow range	10 l/h – 95 l/h
Fully open, “ ” setting	120 l/h
Setting	continuous and readable
Min. differential pressure	10 kPa
Max. differential pressure	60 kPa
Thermostatic head connection	M 28×1,5
Radiator connection	½“ MT (conical screw connection to TS-valve)
Pipe connection	½“ FT

The hot water purity is according to Austrian standard ÖNORM H 5195 and/or VDI specification 2035. Ethylene and propylene glycol can be mixed to a ratio of 25 - 50 vol. %.

The flow rates for every setting are specified – see standard sheet.

Vienna, the 25.06.2024

HERZ Armaturen Ges.m.b.H



Ing. Wolfgang Rauch
Quality Manager