www.herz.eu

HERZ TEPLOMIX

Thermostatic 3-way control valve

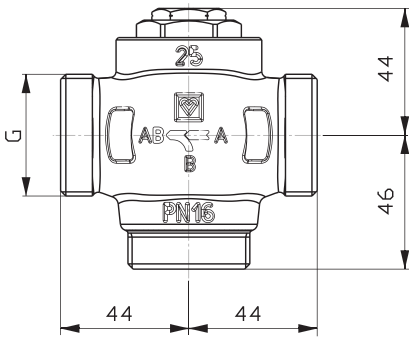
- Optimised thermostat technology for good control and long service life
- Excellent temperature stability due to a fast reacting thermostat thermostat, reduces the risk of excessive water temperatures
- Developed for high flow rates and stable mixed water temperatures
- Housing and parts in contact with water are made of dezincification-resistant brass

HERZ thermostatic control valve

The TEPLOMIX thermostatic mixing valve is used in heating systems with solid fuel and biomass boilers. The thermostatic valve regulates the return temperature to the boiler independently of the system temperature. The boiler return temperature is raised to prevent condensation forming in the flue gas. This is achieved by adding hot water directly from the boiler flow to the boiler return and keeping the boiler at a minimum temperature level, thus preventing cold areas in the heat generator and chimney.

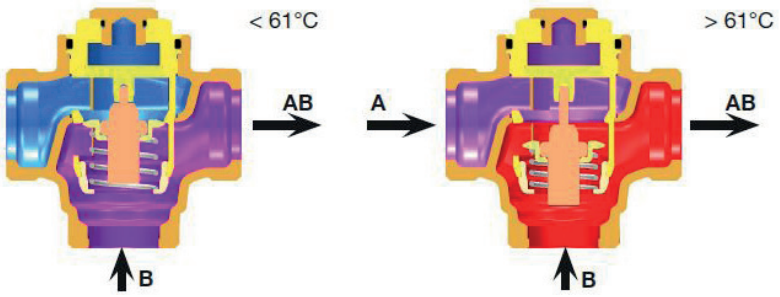
The thermostatic valve works completely independently and without auxiliary energy. The factory-set value of the desired mixing temperature is kept constant within a control hysteresis. It protects the boiler and protection from corrosion caused by condensate precipitation and the associated tarnish and aggressive surface deposits. The use of thermostatic mixing valves ensures that boiler output and efficiency are maintained and flammable sources of fire are avoided.

Order number	DN	G	Δp_{max}	kvs (m³/h) Through	kvs (m³/h) Bypass
1 **7766** 03	25	G 5/4 B	0,5	11	17
1 **7766** 04	32	G 6/4 B	0,5	14	19
1 **7766** 13	25	G 5/4 B	0,5	11	16
1 **7766** 14	32	G 6/4 B	0,5	14	16



Functionality

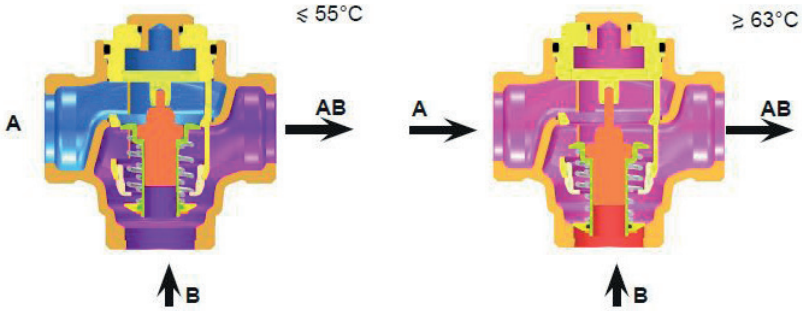
Valve closed (start-up position)
The system return (A) is closed. The water from the bypass (B) is fed directly and unmixed to the boiler without mixing. Leakage A-AB: approx. 3% of the kvs values.



Valve open (operating position)
Cold return water from the heating system and hot water from the bypass are mixed and fed to the boiler.

TEPLOMIX, 1 **7766** 03, 1 **7766** 04

The direction A-AB is located in the closed state at a mixing temperature mixing temperature of <55 °C. Leakage: 3-5% of the kvs values.



The direction B-AB closes at a mixing temperature of > 63 °C. Leakage: 0.03% of the kvs values.

TEPLOMIX RD, 1 **7766** 13, 1 **7766** 14

Herz Armaturen Ges.m.b.H.
Richard-Strauss-Straße 22, 1230 Vienna, Austria
T: +43 1 616 26 31-0, F: +43 1 616 26 31-227
E-mail: office@herz.eu

www.herz.eu