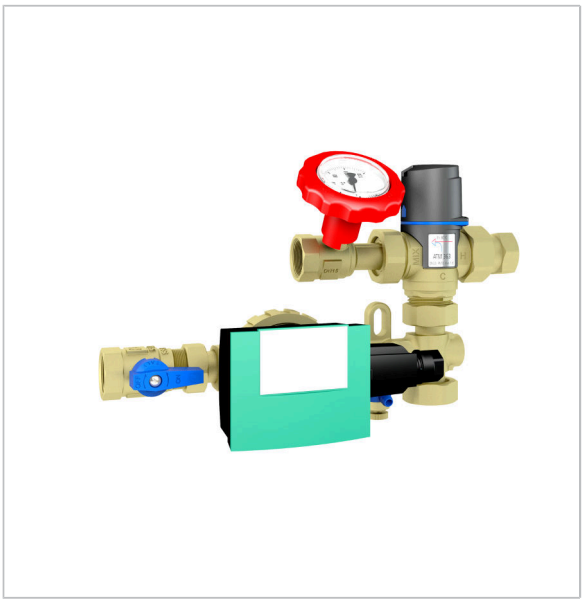
Hot water circulation system WZS 75



Benefits

- Compact hydraulic assembly for storage tanks with existing safety-related equipment
- Easy connection of a circulation line with existing safety-related equipment
- Thermally controlled hot water temperature (with scald protection)
- Considerable time savings during mounting

Application

Circulation system for professional implementation of a service water circulation connection to an energy storage tank with existing safety-related equipment (hot water tank/stratified storage tank) which is operated at temperatures higher than 60 °C either permanently or temporarily. WZS 75 is ideal for retrofitting existing systems, primarily in single-family and two-family homes.

Versions

	Part no.
Hot water circulation system WZS 75	68416

Blue part no. = in-stock items

Description

Compact, pre-assembled and tightness-tested hot water circulation system, consisting of thermal mixing valve with integrated scald protection, thermometer, shut-off valve, drain valve for venting or flushing the circulation line as well as connection parts as per DIN 1988. The hydraulic assembly is suitable for storage systems which are already fitted with with safety-related equipment such a diaphragm safety vales backflow preventers or where such equipment is to be installed in the form of conventional individual components. Storage systems without safety-related equipment can be retrofitted with the safety group assembly WSG 150.
WZS 75 optimises temperature control in the hot water circulation and ensures that the temperature in the storage system is not unnecessarily reduced. A partial volume of the returning circulation water flows directly to the cold water inlet of the thermal mixing valve via an internal connection. Depending on the water temperature at the inlet of the mixing valve, it is then controlled as required.

Technical specifications

System connections
G¾ female thread, G1 female thread

Operating temperature range
Medium: Max. 95 °C

Mixing temperature
35/60 °C

System pressure
Max. 10 bar

Flow coefficient Kvs
1.6 m³/h

Housing
Brass

Dimensions
W x H x D: 297 x 188 x 116 mm

Circulation pump
Wilo-Star-Z NOVA

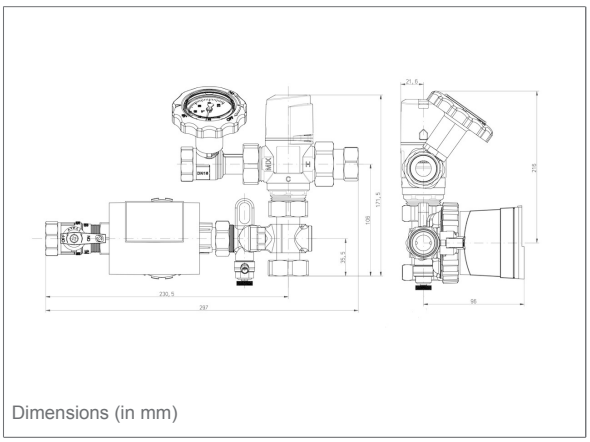
Degree of protection
IP 42 (EN 60529)

Supply voltage
AC 230 V, 50 Hz

Power input
2 – 4.5 W

Scope of delivery
- Assembly without insulation

Technical drawings



Dimensions (in mm)