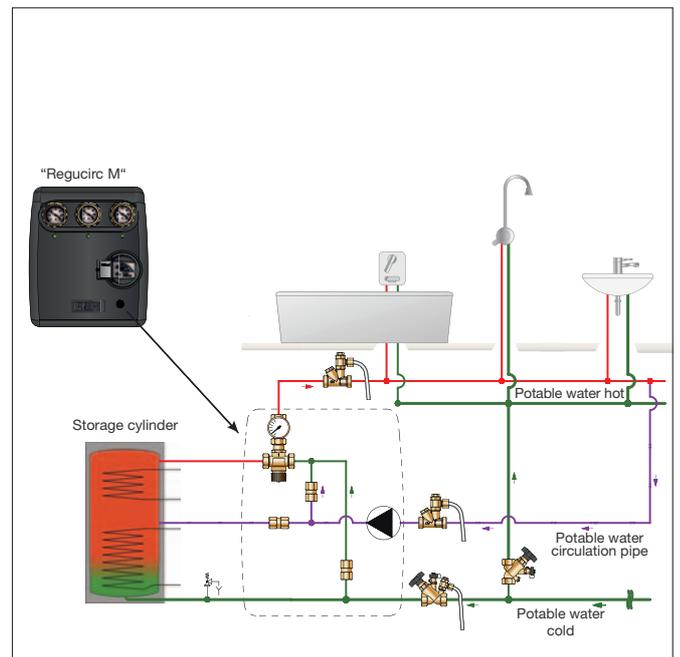
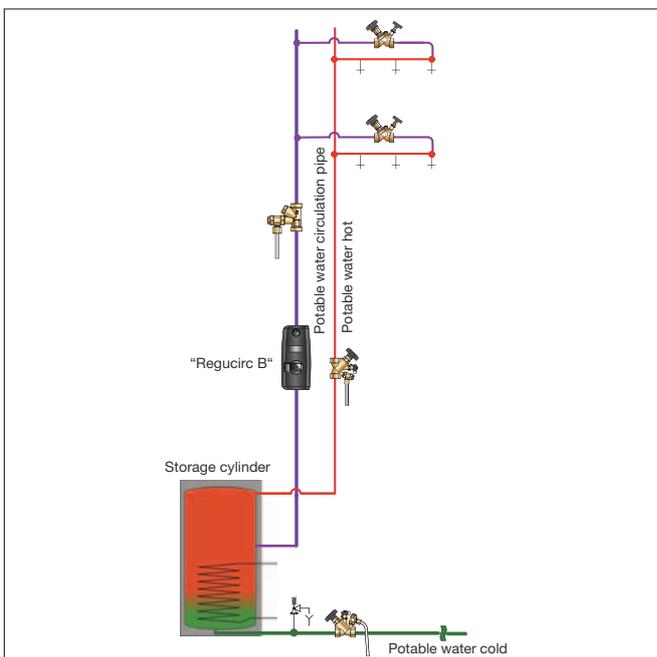




Circulation stations "Regucirc"  
 - for monovalent storage cylinders  
 - for bivalent storage cylinders

Product range

Award:

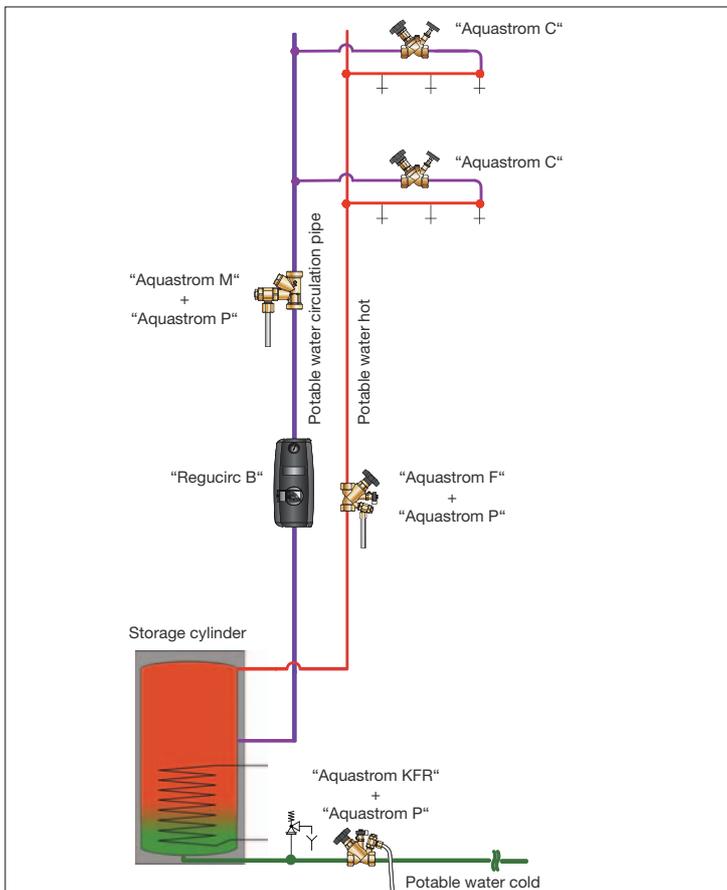




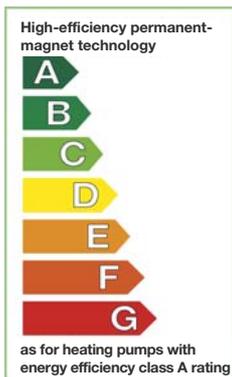
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The Oventrop station "Regucirc B" is used in small potable water circulation systems **with monovalent storage cylinder**, for instance in detached/semi-detached houses and statically balanced circulation systems with up to two risers.

The company pump assembly consists of a circulation valve "Aquistrom VT" for potable water pipes with control thermometer, a non-return check valve and an energy-saving high-efficiency pump (complies with the energy efficiency class A rating for circulation pumps).

The station is installed in the return pipe of potable water circulation systems. The high-efficiency pump is automatically adjusted to the optimum output with the help of the integrated thermostatic circulation valve "Aquistrom VT". The thermostatic circulation valve and the high-efficiency pump support each other with the thermal disinfection by increasing the residual volume flow. This way, the duration of the disinfection phase is reduced.

### Application

Fluid Potable water PN 10  
max. 90 °C

Size: DN 20

Item no.: 420 67 76

### Advantages:

- compact, thermal insulated pump assembly
- the circulation pump uses high-efficiency permanent-magnet technology and complies with the energy efficiency class A rating
- flow increase during thermal disinfection is automatically supported by a higher pump output
- automatic output reduction by thermostatically controlled throttling of the preceding "Aquistrom VT" valve

Award "Regucirc B":



Approvals "Aquistrom VT":



1 Circulation station "Regucirc B"

2 "Regucirc B" with insulation

3 System illustration

4 Energy efficiency label

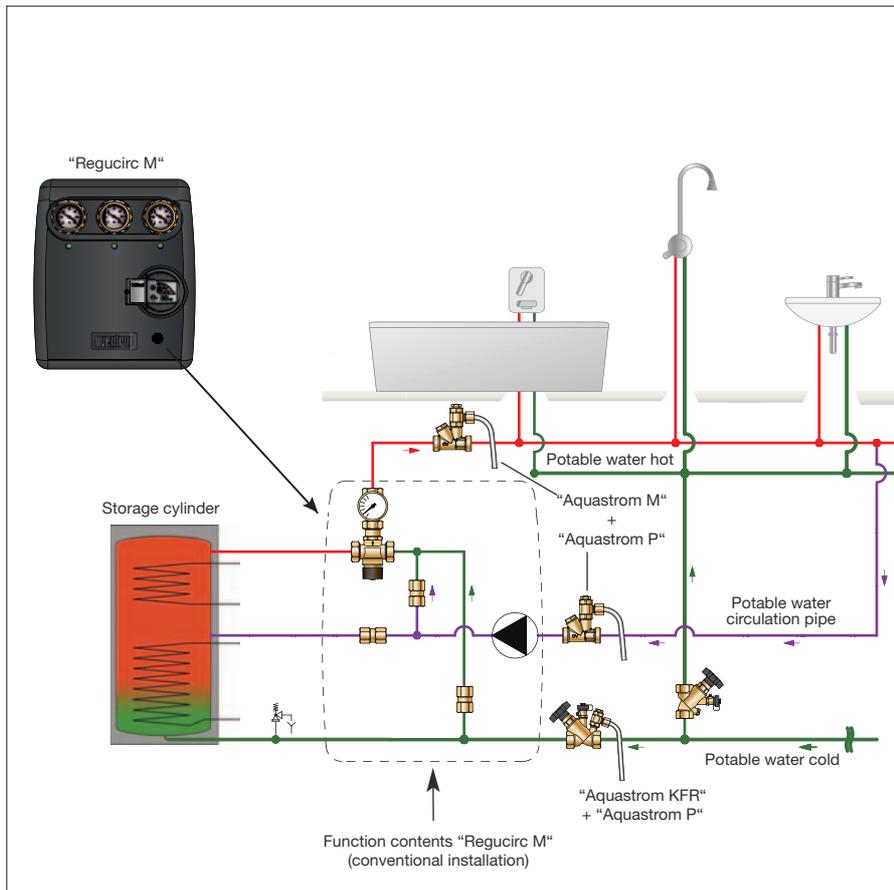
The potable water circulation pump of the "Regucirc B" uses high-efficiency permanent-magnet technology which is also used for heating pumps with energy efficiency class A rating.



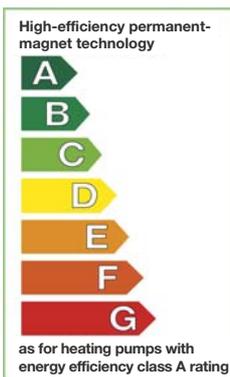
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The compact Oventrop station "Regucirc M" is used in potable water circulation systems with bivalent storage cylinder, for instance in multiple dwellings.

The thermal insulated pump assembly consists of a thermostatic mixing valve (35°C - 65°C) with fail-safe function, non-return check valves, isolating ball valves with integrated thermometers for potable water temperature control and an energy-saving high-efficiency pump (complies with the energy efficiency class A rating for heating circulation pumps).

The station is installed between the bivalent hot storage cylinder and the circulation system. The temperature of the circulation system is adjusted to the value set at the thermostatic mixing valve even if no hot water is drawn off at the taps.

The required temperature is set at the bronze thermostatic mixing valve. When the set temperature has been achieved, a part of the circulation volume flow is re-directed to the circulation system by use of a stainless steel pipe with a small cross-section via the cold water port of the thermostatic mixing valve.

Depending on the temperature difference between the return temperature of the circulation volume flow and the mixed water temperature set at the thermostatic mixing valve, the circulation volume flow is fed through either the small stainless steel pipe or the potable water storage cylinder. The power consumption of the high-efficiency pump is automatically adapted to the changing hydronic conditions.

### Application

Fluid: Potable water PN 10 max. 90 °C

Size: DN 20

Item no: 420 67 80

### Advantages:

- compact, thermal insulated pump assembly
- easy installation with G 1 flat seals, male thread
- the riser temperatures can be monitored at any time at the integrated thermometers
- the circulation pump uses high-efficiency permanent-magnet technology and complies with the energy efficiency class A rating
- in combination with "Aquastrum VT or T plus" circulation valves with volume flow increase the thermal disinfection is automatically supported by a higher pump output
- the isolating ball valves with thermometer allow an easy replacement of the circulation pump without the necessity to drain the system
- PT 1000 sensor elements for electronic detection and monitoring of the riser temperatures available as accessories

1 Circulation station "Regucirc M"

2 "Regucirc M" with insulation

3 System illustration: Function contents "Regucirc M" (conventional installation)

4 Energy efficiency label

The potable water circulation pump of the "Regucirc M" uses high-efficiency permanent-magnet technology which is also used for heating pumps with energy efficiency class A rating.



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### Of course *Bronze*

Products for potable water have to comply with strict requirements which are specified in the DIN 1988 standard as well as in further product standards. For instance, in the long term the material must not influence good water quality in a negative way. The emission of alloying components of bronze is below the limits of the German Potable Water Decree (TrinkwV). Oventrop potable water products made of bronze comply with these requirements.

Bronze is a material which combines multiple superior properties and has amongst others the following advantages:

- hygienically harmless
- corrosion resistant
- ageing resistant
- temperature resistant
- 100% recyclable

**1** Thermostatic valve "Aquastrum VT" made of bronze with presettable residual volume flow at the operating point for circulation pipes PN 16, without dead zone.

**2** Double regulating and commissioning valve "Aquastrum C" made of bronze with thermometer for the manual setting of the residual volume flows, without dead zone.

**3** Measuring and draining device "Aquastrum M" made of bronze for checking the cold and hot water supply pipes as well as installing of water sampling valves, without dead zone.

**4** Water sampling valve "Aquastrum P" made of bronze/stainless steel for a hygienic-microbiological test according to DVGW work sheet W 551, Potable Water Decree and VDI 6023, metal to metal sealing.

**5** KFR and free-flow valves "Aquastrum" made of bronze, both ports female or male thread or Sanha® press connection (without illustration).

**6** "Optibal TW" ball valves for potable water made of bronze, with full flow (DN 15-80) according to DIN EN 13828, with plugged draining orifices G 1/4 on both sides, ball always surrounded by water, without dead zone, both ports female or male thread or Sanha® press connection (without illustration).

**7** Flush-mounted circulation valve "Aquastrum" (UP-Therm), thermal circulation regulating valve with isolating facility for hydronic balancing in potable water circulation systems with floor to floor distribution, without dead zone.

**8** Water filter "Aquanova Compact"

Further information can be found in the catalogue "Products" and on the internet, product range 12.

Subject to technical modification without notice.