DynaTemp CW-BS

The efficient solution for potable water circulation

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Potable water hygiene?
Safely and automatically controlled.

With our **DynaTemp** system solution, you can ***ensure the hygiene of potable water systems*** in large buildings such as hospitals, retirement homes or apartment buildings. And it's ***reliable and simple*** – because the **DynaTemp CW-BS** system ensures that there is always a sufficiently high potable water circulation temperature (according to DVGW 57 °C) in the system.

In addition, our system can support ***thermal disinfection***. It gives a start signal to the heat generator, which first increases the potable water temperature. Then the pipelines of the circulation system are sequentially raised to the set disinfection temperature.

You can integrate the ***perfectly coordinated system*** into an existing building automation system via BACnet IP, for example for monitoring and visualisation tasks or to trigger warnings.

A perfectly coordinated system for optimal potable water hygiene

WHY AUTOMATE POTABLE WATER HYGIENE? MORE SAFETY THROUGH ...

+ ... ***sufficient potable water circulation*** in the entire system
+ ... ***maintaining the required potable water circulation temperature*** – in accordance with the country standard
+ ... ***permanent hydronic balancing*** in all operating phases
+ ... ***continuous monitoring*** and regulation of the temperature
+ ... ***saving and logging the measurement data*** and all hygiene measures carried out
+ ... the option to perform ***controlled thermal disinfection***
+ ... a ***broad data basis*** to be able to assess the condition and risks of the system

ADVANTAGES FOR OPERATORS

+ ***High safety*** through continuous monitoring and regulation of the system temperatures
+ System ***automatically alerts*** in case of malfunctions
+ Optimisation of the system through ***early detection of weak points***
+ ***Energy-efficient temperature control*** and ***permanent monitoring*** of the system

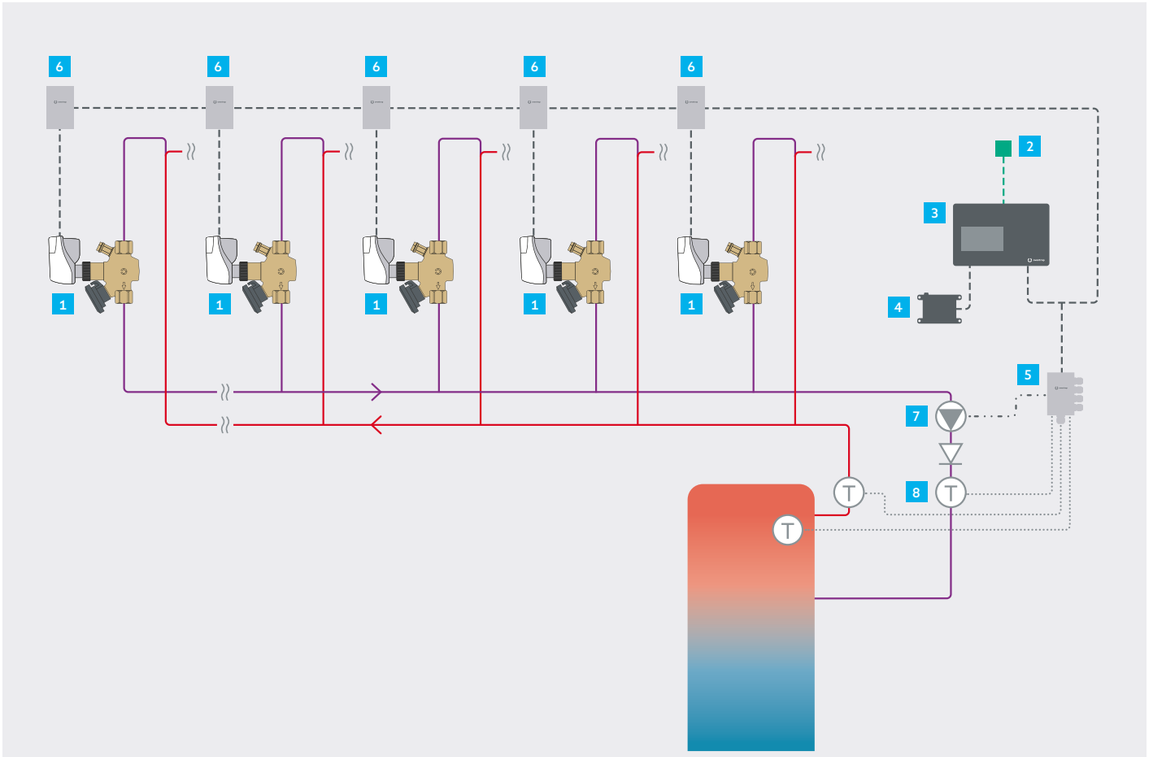
ADVANTAGES FOR CONSULTANTS AND INSTALLERS

+ ***Simple solution*** for hydronic balancing in new and existing buildings
+ Functions and parameters can be ***conveniently programmed***
+ ***BACnet IP*** as common interfaces for building automation

ADVANTAGES FOR INVESTORS

+ ***Meets all legal requirements*** for hygiene and the obligation to provide evidence
+ ***High safety*** due to permanent compliance with the legal temperature limits and their logging
+ ***Minimises cost risk*** through early detection of problems in the system
+ ***Clear dashboards*** on system status

The DynaTemp system solution
at a glance



1 **Aquastrom TD**
Electronic circulation regulating valves

2 Building automation

3 **DDC CW-BS**
Control unit
with Ethernet connection

4 **TR-80**
Transformer

5 **FM-CW Plus**
Field module

5 **FM-CW K**
Field module

7 Circulation pump

8 Temperature sensors:
- Hot water outlet
- Circulation return
- Storage cylinder temperature

Products in detail
Components of the system solution

DDC CW-BS CONTROL UNIT

Number of field modules	Mounting	Item no.
31	Surface mounting	1153350

TR TRANSFORMER

Designation	Power	Item no.
TR-80	80 VA	1153053

AQUASTROM TD ELECTRONIC CIRCULATION REGULATING VALVE WITH FM-CW K FIELD MODULE

Nominal size	Thread	Connection size	Item no.
DN 15	Internal thread	Rp ½ x Rp ½	4205004
DN 20		Rp ¾ x Rp ¾	4205006
DN 15	External thread, flat sealing	G ¾ x G ¾	4205104
DN 20		G 1 x G 1	4205106

FM-CW FIELD MODULE WITH C BUS COMMUNICATION

Designation	Description	Item no.
FM-CW Plus	For temperature detection, 24 V AC, 50 HZ, surface mounting	1153321
FM-CW K	24 V AC, 50 HZ, surface mounting	1153301

REM-CW RELAY MODULE FOR BURNER ACTVATION

Designation	Mounting	Item no.
With analogue input (0-10 V), 24 V AC	Surface mounting	1153331

SENSOR LW TQ SENSOR ELEMENT

Designation	Item no.
For remote monitoring of pipeline temperatures and for integration into a building automation system	1150090
For remote monitoring of circulation pipes with Aquastrom VT, T plus, C, F, KFR and M, PT 1000 sensor element, G ¼	4205592

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Subject to technical changes.

Room climate

Hydraulics

Stations

Potable water

Oil

Smart Home,
Smart Building

Oventrop is the partner for efficient heating, cooling and clean potable water. The modular systems and services offer pioneering solutions which all HVAC experts use to work with – easily and flexibly – from planning to installation, from industry to trade. As a family business, Oventrop accompanies all its partners over many years – competently and personally.

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Wir regeln das. Seit 1851.

Oventrop GmbH & Co. KG · Paul-Oventrop-Str. 1 · 59939 Olsberg, Germany
Phone +49 2962 820 · Fax +49 2962 82400 · mail@oventrop.com · www.oventrop.com