

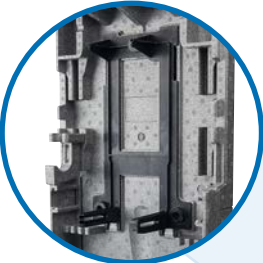
# Domestic water system centre HWSC



reddot design award  
winner 2013

Heat-insulated assembly  
with transparent door for easy  
monitoring and backwashing  
(mark via memory pointer)

Pressure-reduced supply  
outlet with backflow  
preventer, safety valve and  
drain hose



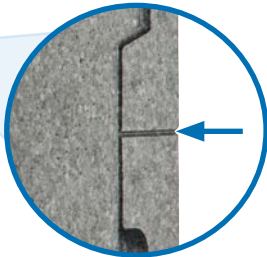
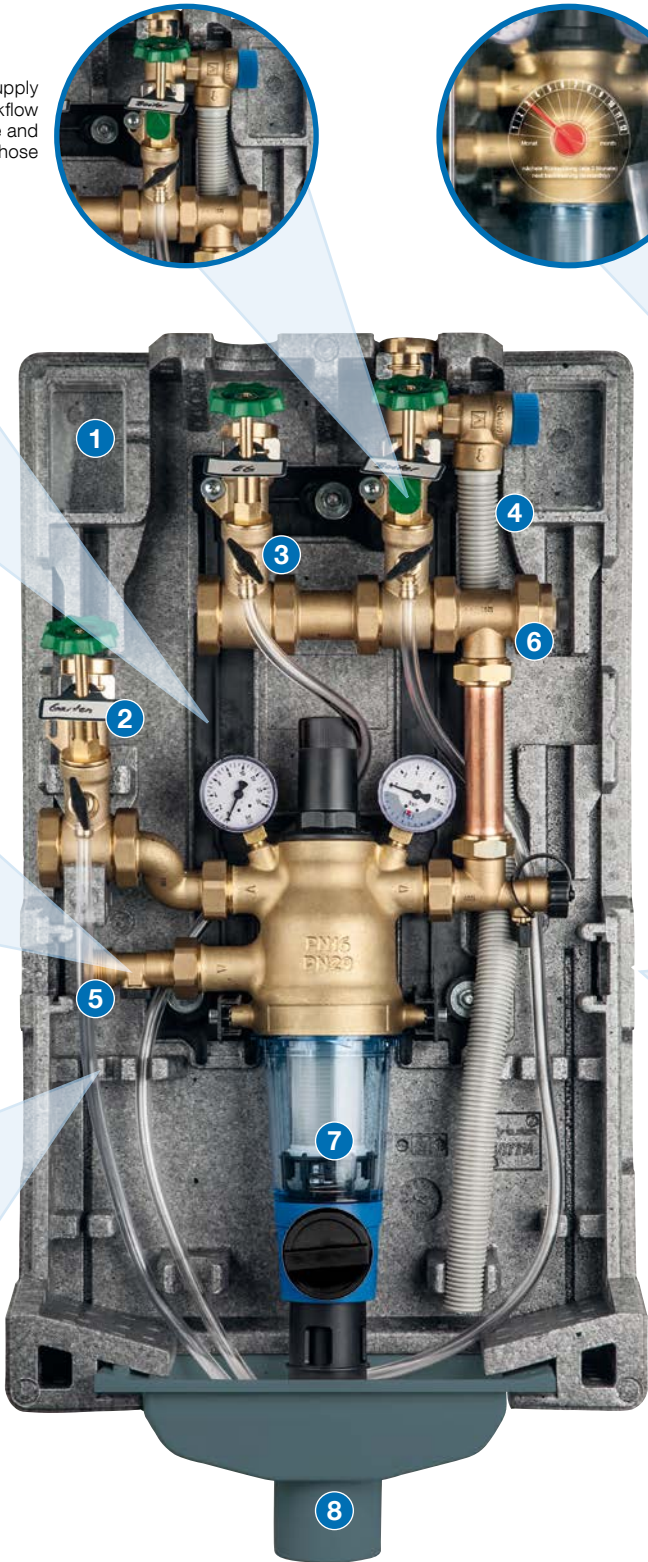
Sophisticated wall  
bracket with 3-point fix-  
ing via hanger bolts for fast  
and easy mounting, even if  
the wall is not level.



Fast and easy conversion of  
connection from left to right.  
Only a few parts need to be  
dismounted. Interfaces are  
already defined in the insula-  
tion



Guides in the insulation for pro-  
fessional installation of the drain  
and outlet hoses



Mark at standard height  
of water meter (0.90 –  
1.10 m) as a mounting aid

- 1 Storage compartment for spare seals/silicone grease
- 2 Filtered high pressure outlet (as per DIN 1988),  
e.g. for garden line
- 3 Pressure-reduced supply outlets with drain hoses (1 outlet  
with backflow preventer)
- 4 Safety valve (6 bar) outlet hose

- 5 Backflow preventer, DVGW approval
- 6 Connection G¼ for sampling valve
- 7 Filter combination with fine filter and pressure reducer,  
DVGW approval
- 8 Drain unit consisting of funnel (DN 75)  
and reducing adaptor (DN 75/DN 50)

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- **Extremely compact system centre**  
395 x 760 mm (W x H)
- **Lightning-fast, easy installation**
- **Innovative backwashing system** – fast and thorough cleaning of the filter element, low water consumption
- **Modular design:** Can be extended by additional pressure-reduced outlets, automatic backwashing unit, refill combinations, etc.



Automatic backwashing unit RA 01 (accessory) for setting the time intervals

**Application** For drinking water installations as per EN 806, DIN 1988 and DIN 4753-1. The system centre combines all functions of conventional water distribution installations in a small-footprint unit: the pressure reducer reduces the inlet pressure to an even, system-specific pressure in order to protect the installation and to ensure economical water consumption. The water filter keeps pollutants such as rust particles or sand grains from reaching the domestic water installation, thus protecting valves, machines, boilers, etc. from malfunctions caused by dirt. With its straightforward design and unobtrusive colour, the domestic water system centre fits in perfectly with modern equipment rooms, basements and utility rooms.

**Description** Compact, tightness-tested domestic water system centre as a complete solution for the distribution of drinking water in buildings. The base version of HWSC consists of a backflow preventer, filter combination with fine filter and pressure reducer, drain unit with connection possibility to the wastewater system, three supply outlets, safety valve and all function components. The individual components are DVGW-certified or comply with the DVGW regulations. The assembly is contained in a form-fit insulation for easy access and operation. The integrated transparent front door allows for checking the system pressure and the safety valves and provides easy access to start backwashing; it is not necessary to remove the upper part of the insulation. The memory pointer on the door lets you set the date for the next backwashing procedure.

HWSC excels with a dramatic reduction of the installation time: a drilling template is shipped with the unit for precise positioning of the three holes. Hanger bolts allow for precise adjustment of the domestic water system centre to the wall and enable easy horizontal and vertical alignment. HWSC features a variable height adjustment from 65 to 115 mm to allow for precise adaptation to the individual distance of the water meter from the wall. The default connection setting is intended for left-side connection, but HWSC can be converted to right-side connection in a matter of minutes.

The integrated filter combination features an innovative backwashing system with rotating impeller which ensures fast and thorough cleaning of the fine filter and low water consumption. The entire sieve surface of the filter insert is cleaned at high pressure. The pressure reducer reduces the inlet pressure to an even, system-specific pressure; part of the water flows directly and without pressure reduction to the high-pressure outlet for the garden line. If this is not required, it can be converted into an additional pressure-reduced supply outlet. The insulation can accommodate up to four supply outlets; any additional outlets must be mounted outside the insulation. Due to the modular design and the defined connections, it is easy to fit extensions with an automatic backwashing unit, a refill combination for filling heating systems and the connection of a sampling valve or a water softening system.



Door for fast checking the system pressure, the safety valve of for starting backwashing.

# Domestic water system centre HWSC

**Technical specifications**

**Medium**

Drinking water

**Inlet pressure**

Max. 16 bar

**Operating temperature range**

Medium: 5/30 °C

**Mounting position**

Vertical

Supply outlets to the top

**Dimensions (housing)**

W x H x D 395 x 665 x 210 mm

**Weight**

Approx. 12 kg

**Connection**

Inlet: R1

Supply system: G¾ female thread

**Material**

Fittings: Brass (CW617N)

Insulation: Polypropylene EPP

Filter housing: Brass (dezincification-resistant)

Fine filter: Non-corroding steel

Seals: EPDM

**DVGW approval**

All components are DVGW-conform. Components with DVGW approval: filter combination, backflow preventer, seals

**SVGW approval**

Components with SVGW approval:

Filter combination

Certificate no. 1310-6204



DG: M	PG	Part no.	Price €
<b>Domestic water system centre HWSC</b>	2	<b>42755</b>	
<b>Connection kit</b> for refilling of heating system	2	<b>42757</b>	
<b>Connection kit</b> for water softening	2	<b>42756</b>	
<b>Extension supply outlet G¾ female thread</b>	2	<b>42758</b>	
<b>Automatic backwashing unit RA 01</b>	4	42739	
<b>Refill combination</b> for heating systems	2	<b>On request</b>	
<b>Sampling valve</b>	2	<b>On request</b>	

# Domestic water system centre HWSC

Dimensions (mm)

