

# Heat Station Twin Plate Units.



District heating Heat Station for indirect heating and instantaneous domestic hot water with thermostatic control, designed for wall-mounting.

- **Application**
- The Heat Station is a complete solution for hot water and space heating with optimal safety, efficient energy transfer, service-friendly construction and a compact design. The substation is used if a heat exchanger is required or on conversion to district heating where the existing equipment is unsuitable for direct connection.
- **District heating (DH)**
- The Heat Station is prefabricated with a differential pressure controller, fitting piece and sensor pockets for insertion of a heat meter as well as strainers and ball valves.
- **Heating (HE)**
- The heating side consists of a plate heat exchanger, safety valve, manometer, thermometers, ball valves, drain valve, air valve, expansion vessel and circulation pump. The temperature of the heating can be controlled thermostatically or by an electronic controller with an outdoor temperature sensor. Depending on the application, different heat exchangers dimensioned for central or underfloor heating can be used.
- **Domestic hot water (DHW)**
- The domestic hot water is prepared in the heat exchanger and the temperature is regulated with a thermostatic control valve. The patented sensor accelerator accelerates the closing of the AVTB valve and protects the heat exchanger against overheating and lime scale formation. The sensor accelerator helps to ensure a stable hot water temperature by varying loads, flow temperatures and differential pressure without the need for readjusting the valve. The heat exchanger cools the DH water very efficiently, thereby creating a very good operating economy. The sensor accelerator and AVTB valve also works as a bypass keeping the house supply line warm. This shortens the waiting periods during summer when the heating system is in reduced operation.
- **Options**
- The water heater can be supplied with a built in non-return valve and safety valve mounted in the cold water supply and the unit can also be supplied with a thermostatic circulation valve.
- **Construction**
- All pipes are made of stainless steel. The connections are made by nuts and gaskets.
- The Heat Station is completed by a white steel cover in modern and attractive design.
- Designed to give optimum performance whilst minimising floor/wall space.

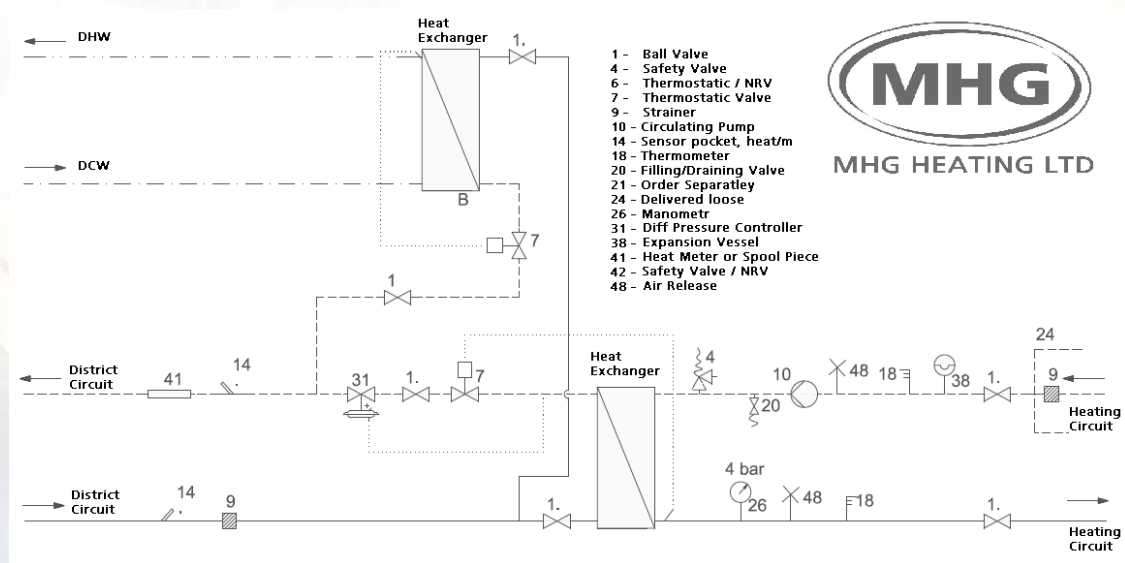
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## FEATURES AND BENEFITS

- Heat Station for single and multi-family houses
- Indirect heating, DHW temperature regulation with a thermostatic control valve
- Thermostatic or electronic regulation of heating (HE) temperature
- Capacity: 18-57 kW heating, 33-75 kW DHW
- DHW in sufficient quantity
- Operates independently of differential pressure and flow temperature
- Minimum space required for installation
- Pipes and plate heat exchanger made of stainless steel
- Minimized risk of lime scale and bacteria formation



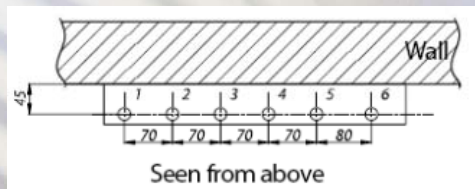
**Technical parameters:** Nominal pressure: PN 10\* / DH supply temperature:  $T_{max} = 120\text{ }^{\circ}\text{C}$  / DCW static pressure:  $p_{min} = 0,5$  bar / Brazing material (HEX): Copper \* PN 16 versions are available on enquiry

**Weight incl. cover:** 35 kg (incl. packing) / **Cover:** White lacquered steel

**Dimensions (mm):** Without cover: H 750 x W 500 x D 360 / With cover: H 800 x W 540 x D 430

**Connections:** 1 District circuit supply. / 2 District circuit return. / 3 Heating circuit supply. / 4 Heating circuit return. 5 DHW. / 6 DCW.

**Connections sizes:** All connections G 3/4" (int. thread)



### Options:

- Cover, white-lacquered steel.
- Safety valve.
- GTU Pressure equalizer, eliminates safety valve discharge piping
- Circulation set, MTCV and check valve.
- Booster pump (increases DH flow).
- Pipe insulation
- Mixing circuits for under floor heating.
- Underfloor heating manifold system.
- Safety thermostat surface type
- Weather compensation, electronic controls.
- Filling line, refill from DH for heating circuit.
- Room thermostat
- Zone valve with actuator.
- Air screw (DH supply)

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