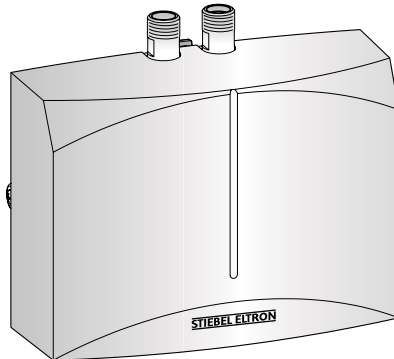
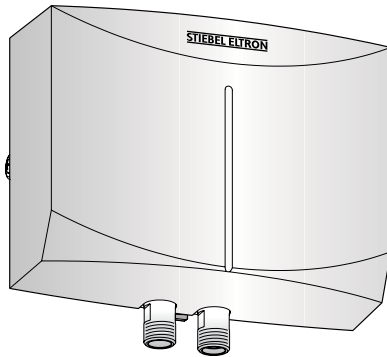


DHM 6

English

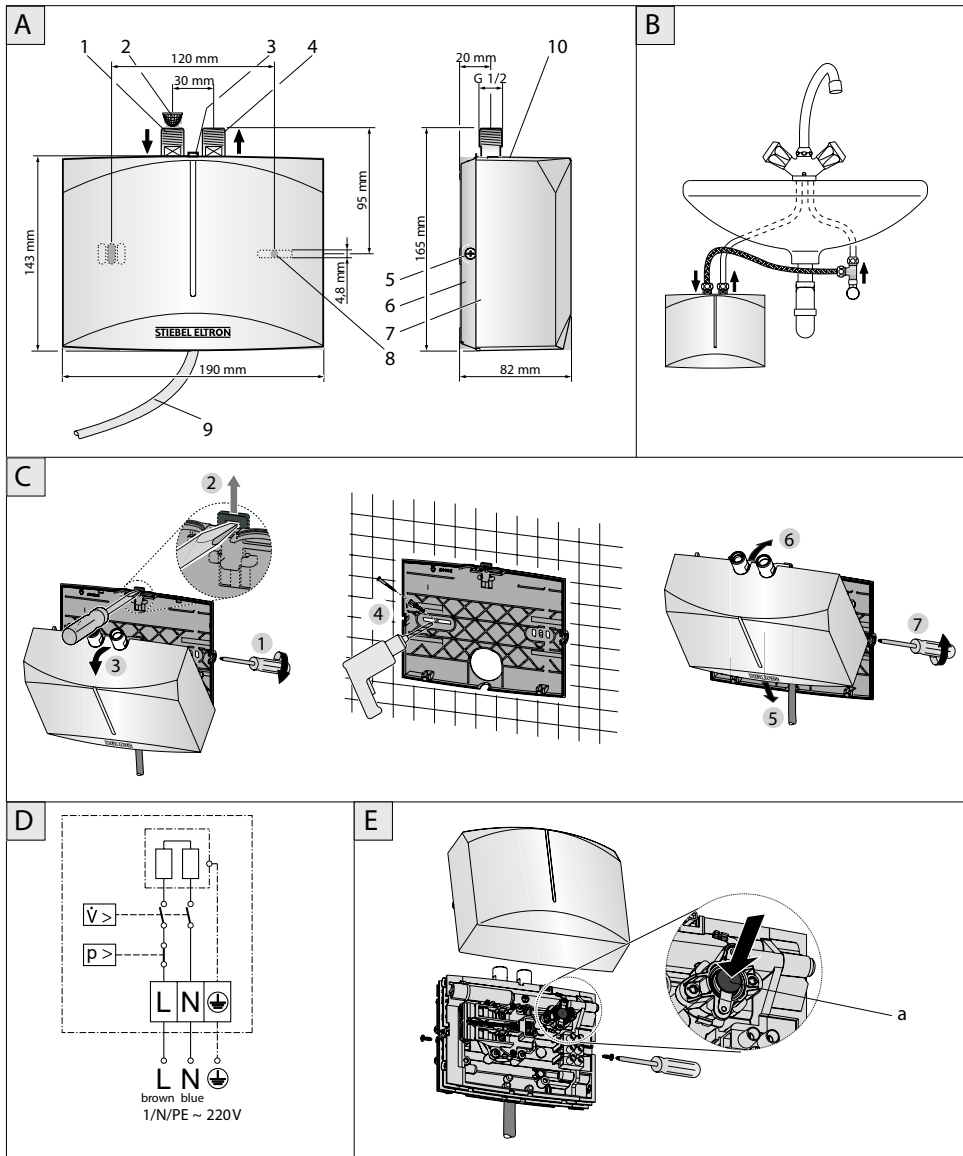
Hydraulically controlled, pressurized Mini-Instantaneous Water Heater Operating and installation instructions



This water heater must be installed (water and electrical installation), commissioned and serviced by approved service technicians in accordance with these instructions.

PRODUCT CODE : DHM 6 : 222299

SIZE : A5
MATERIAL : GREEN READ PAPER 75 G.
PLASTIC BAG : 7 x 11 INCH
PART NO. 7901-275708
PART NAME: MANUAL DHM
REV.03



1. Operating instructions for the user and the qualified installer

1.1 Unit description

The hydraulically controlled pressurized Mini-Instantaneous Water Heater DHM 6 is designed to heat water for one or several draw off points. When the draw-off fitting is opened, the heating capacity switches on automatically and the water is heated. The hot water output is dependent on the cold water temperature, the heating capacity, and the flow rate.

1.2 The most important points in brief

Temperature adjustment is effected using the fitting:

- To increase the temperature, restrict the flow rate a little.
- For low temperatures, increase the flow rate or mix in cold water.

1.3 Safety instruction

⚠ In the case of temperature selection, water temperatures of over 60 °C can be reached at the hot water outlet. Small children should therefore be kept away from the hot water outlets.

Danger of scalding!

1.4 Important notes

-  If the water feed of the DHM has been interrupted - e.g. because of the danger of frost or work on the water pipe, the following steps must be taken before the unit is brought back into operation:
1. Remove or switch off fuses.
 2. Open a tap downstream of the unit until the unit and the cold water feed pipe are free of air.
 3. Replace or switch on fuses again.

1.5 Maintenance and care

-  Maintenance work, such as for example checking the electrical safety, may only be carried out by a qualified installer.



2. Installation instructions for the qualified installer

2.1 Unit structure

- | | |
|-------------------------|-------------------------|
| 1 cold water connection | 6 Unit rear panel |
| 2 Filter | 7 Unit front panel |
| 3 Sliding latch | 8 Fixing holes |
| 4 Hot water connection | 9 Connection cable |
| 5 Cover securing screw | 10 Identification plate |

2.2 Important information

-  Air in the cold water pipe may destroy the bare-wire heating system of the DHM 6. If the water supply to the DHM 6 has been interrupted, for example due to the risk of frost or work on the water pipe, the following steps must be carried out before the system is used again:
1. Disconnect supply or disconnect the fuses.
 2. Open a hot water tap downstream of the device for as long as it is necessary for the device and the cold water pipe to be freed of air.
 3. Reconnect the supply or connect the fuses again.
- All information in these Instructions for Use and Installation must be followed carefully. They provide important information with regard to safety, operation, installation, and maintenance of the device.

2.3 Brief description

The hydraulically controlled, pressurized Mini-Instantaneous Water Heater DHM 6 is designed to supply warm water for one or several outlets and for under-sink and over-sink installation. The bare-wire heating system is suitable for low-lime and limy water (see Table 2 for ranges of use).

2.4 Fittings

Use only pressure tap fitting!

2.5 Regulations and provisions

Installation (water and electrical installation), as well as the first start-up and maintenance

A damp cloth is sufficient for care of the unit. Do not use any abrasive or corrosive cleaning agents.

1.6 First actions to be taken in the event of malfunction

... First actions to be taken in the event of malfunction „Please look up: „3. Fault finding by the user“ page 6.

In the event of maintenance and possibly repair work please inform the qualified installer of the data on the identification plate ( 10):

1.7 Operating and installation instructions

of this unit, may only be carried out by a qualified installer in accordance with these instructions.

Faultless operation and operational safety are only guaranteed if the original accessories and spare parts intended for the unit are used.

The following should also be observed:

In accordance with IEE and WRc Regulations.
Regulations of the local energy supply company.

Regulations of the relevant water supply company.

The unit rating plate.
Technical data (see 2.10)

 The specific electrical resistance of the water must not be lower than specified on the rating plate. In the case it is used out of the water grid supply network, the lowest electrical resistance of the water is to be taken into account (see 2.11) Your water supply company will advise you of the specific electrical resistance or the electrical conductivity of the water.

Water installation:

A safety valve is not necessary.
Operating the unit with preheated water only up to max. 35 °C is permitted!

Electrical installation:

It must be possible to isolate the unit from the main supply on all poles with an isolating distance of at least 3 mm, for example using fuses.

2.6 Installation location

Under-sink installation

 The appliance should be installed according to choice as an under-sink or over-sink unit* in a closed, frost-free room in the vicinity of a water draw off point.

Dismantled unit is to be stored in a frost-free place, as residual water always remains in the unit.

 Keep these instructions carefully and pass them on to your successor in the event of a change in ownership, in the event of maintenance and possible repair work they should be passed to the qualified installer for his attention.

 -This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

 -Children should be supervised to ensure that they do not play with the appliance.

 The appliance is not to be installed in locations where freezing can occur.

2.7 Unit installation

- 1 Loosen cover securing screws by two turns.
- 2 Using a screwdriver, release the snap closing catch.
- 3 Take off the unit front cover with heating block.
- 4 Fix the unit rear panel to the wall using dowels and screws; use the unit rear panel as a drilling template.
- 5 Hook on the unit front panel with heating block.
- 6 Engage the heating block in the snap closing catch.
- 7 Secure the unit front cover with 2 screws.

Screw connecting hoses unit onto the water connections  (1 and 4, see fittings description), when doing this use a 14 mm spanner on the unit as a counter-force.

DHM 6 for over-sink installation:
Installation of the unit as shown in illustration on  1 to  7 (unit rotated by 180 degree).

2.8 Electrical connection

 The unit must be connected to the protective earth terminal.

This appliance is fitted with a power supply cable.

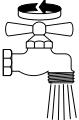
The units are fitted with an electric cable for a fixed electrical installation .

The electrical fixed connection may be performed with a diameter for the wire of 3 times 6 mm².

 If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

2.9 First start-up (may only be carried out by a qualified installer)

1



on

2



on

26_02_01_0656

1

Fill and deaerate the unit.

Note: danger of running dry!

Open and close the tap repeatedly until the pipework and the unit are free of air. For guidance on air, see “2.2 Important information”.

2

Switch on the mains power.

3

Test the operating mode of the instantaneous water heater and fitting.

Handover of the unit

Explain the function of the unit to the user and familiarize him or her with its use.

Draw the user's attention to possible hazards (scalding).

Hand over these instructions for careful retention.

2.11 Specic electrical conductivity und specic electrical resistance

Designation		Areas of application for different water analysis reference temperatures			
		at 15 °C	at 20 °C	at 25 °C	at 35 °C
resistance	cm	≥ 1100	≥ 970	≥ 900	≥ 780
conductivity	mS/m	≤ 90,9	≤ 103	≤ 111	≤ 128
conductivity	µS/cm	≤ 909	≤ 1030	≤ 1110	≤ 1280

3. Fault elimination by the user

Fault	Cause	Remedy
No hot water despite fully opened hot water fitting.	No electrical power.	Check the fuses in the house installation.
	The turn on flow rate needed to switch on the heating power has not been reached.	Clean the filter or increase mains pressure

Table 3

4. Fault elimination by the qualified installer

Fault	Cause	Remedy
Flow too weak	Filter soiled.	Clean the filter in the cold water inlet A (2) after shutting off the water supply.
Heating fails to switch on / no hot water.	No electrical power.	Check the fuse (house installation).
	Heating system defective.	Measure heating system resistance, if necessary exchange the unit.
	The pressure limiter has released	Determine and eliminate the cause for the fault. Disconnect from power and relieve the pressure. Reactivate pressure limiter E (a).

5. Environment and Recycling

6. Guarantee

Recycling of obsolete appliances

Appliances with this label must not be disposed off with the general waste. They must be collected separately and disposed off according to local regulations.

For guarantees please refer to the respective terms and conditions of supply for your country.

 The installation, electrical connection and rst operation of this appliance should be carried out by a qualified installer following attached warranty card

2.10 Technical data (the data on the unit identification plate are applicable)

Type	DHM 6	
Design	closed (pressurized)	
Configuration	under-sink	•
	over-sink	•
Rated pressure	MPa	1
Rated capacity	l	0,1
Weight	kg	1,4
Rated power at 220 V	kW	6
Rated voltage	1/N/PE ~ ...V	220 - 240
Rated current	A	27
Flow rate "ON"	l/min	≤ 3,4
Flow rate "OFF"	l/min	≥ 1,8
Pressure drop (during switch-on flow)	MPa	0,09
Max. inlet temperature	°C	35
Protection class in accordance with DIN EN 60335		1
Protection mode in accordance with EN 60529		IP 25
Test mark, see unit identification plate		•
Water connections G 1/2 (surface installation)		•
Heating system - bare-wire	1100 Ωcm ¹⁾	•