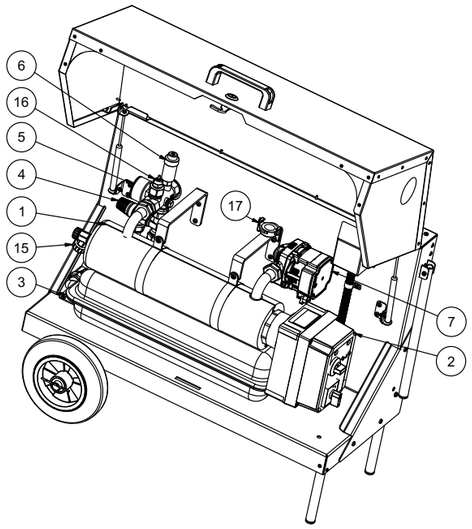
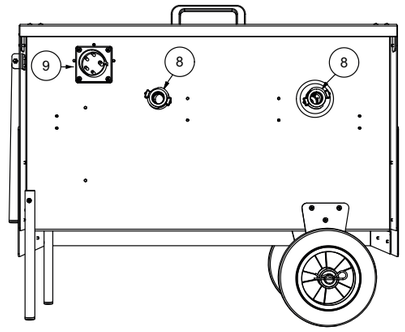
9 kW MOBILE ELECTRIC BOILER

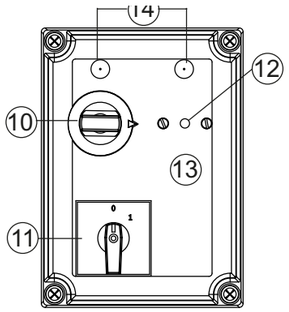




The 9 kW mobile electric boiler consists of the following parts:

1. 9 kW electric boiler
2. Automatic control cabinet
3. Expansion tank, 10 litres, 0.5 bar pressurisation
4. Safety valve, 1.5 bar
5. Manometer
6. Automatic vent
7. Cirk.pump Grundfos UPM3 Auto L L15/50
8. Connection, claw coupling
9. 16 A electrical intake
10. Operating thermostat, 10-60°C
11. All-pole main switch
12. Overheating protection reset
13. A red LED indicates low water level
14. Power stage indication
15. Drain valve
16. Float switch
17. Cover for venting

The boiler must not be used by children, or people with reduced physical or mental functions. Nor by children/people who lack knowledge about the boiler.



Technical data	
Power	9 kW in two 4.5 kW stages
Voltage	400V3N~
Current	13A
Fuse	16A
IP class	IP 44
Operating thermostat	Max. 60°C
Expansion tank	10 litres
Safety valve	1.5 bar
Dimensions (L x W x H)	788 x 402 x 655
Weight	35 kg
Water connection	40mm Claw connection for 3/4" hose (19mm ID)

GENERAL

The 9 kW mobile electric boiler is a complete, transportable
electric boiler. The electric boiler is primarily intended for use as a temporary emergency/auxiliary boiler for roles such as the drying of concrete sheets with underfloor heating and the heating of buildings during construction, via the underfloor heating system. The boiler can also act as a temporary heat source in the event of a breakdown.
The total output of the boiler is 9 kW, operating in two 4.5 kW stages. The boiler is supplied complete with circulation pump, expansion tank and fitting kit, with safety valve, float switch and vents. It is simple to connect to an underfloor heating distributor/heating system via a claw connection at the rear.
The 9 kW mobile electric boiler is electrically connected internally using a 3-phase 400V intake. The temperature is controlled via the operating thermostat of the boiler.
The enclosure protection class is IP 44.

INSTALLATION

Applicable building and hot water precautions must be observed.
The heating system must be organised so that there is always a flow through the boiler. Therefore, ensure that one or more heating circuits are always open.

SAFETY VALVE

The functionality of the safety valve must be tested upon startup. Take care to ensure that water/steam flowing out cannot cause injury.

OPERATING THERMOSTAT

The temperature is controlled via the operating thermostat
of the boiler (constant flow temperature).
The thermostat can be set to up to 60°C.

OVERHEATING PROTECTION

The boiler has built-in overheating protection which is triggered at approx. 80°C. The overheating protection can be reset by pressing in the button (12) during resetting. A reset cannot be performed until the boiler has cooled to approx. 60°C. Should the fault recur, the reason for the fault must be noted and remedied before restarting.

CIRCULATION PUMP

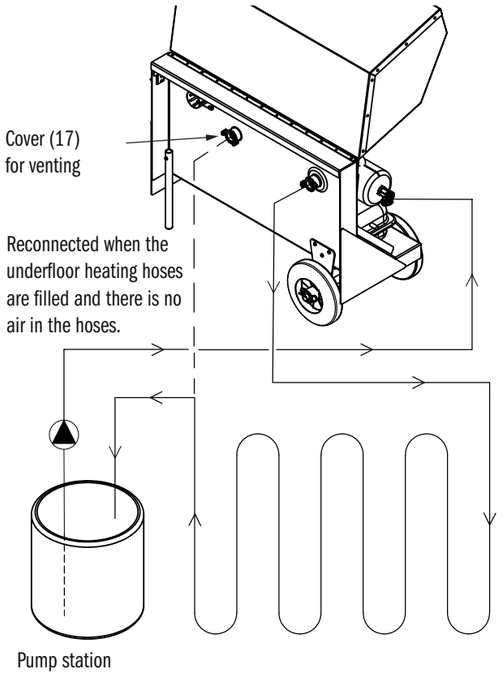
For circulation pump settings, see the separate instructions for"Grundfos UPM3 Auto L 15/50". Please note that it is best to set the pump to work with constant pressure, and that this must be set manually according to the separate instructions.

FLOAT SWITCH

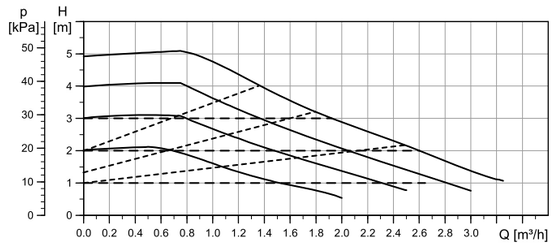
The boiler is equipped with a sensor (16), which stops operation if there is no water in the tank. A red indicator (13) comes on in the circuit board.

STARTUP

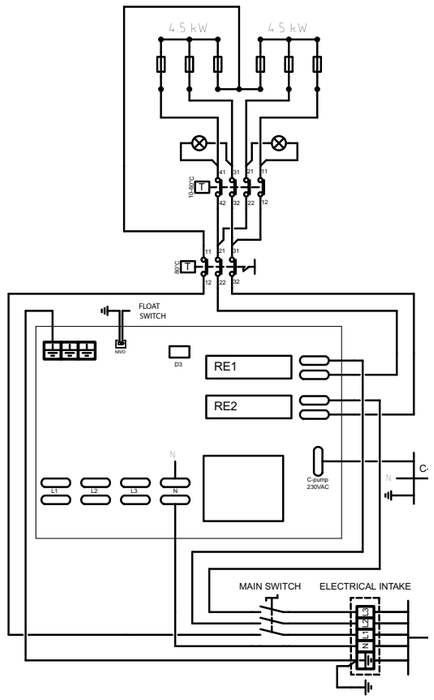
Before startup, check that the heating system is filled with water and ventilated, and that the system has the operating pressure required. Make sure that the circulation pump is working by listening and testing the different speeds.



PUMP PERFORMANCE CURVE

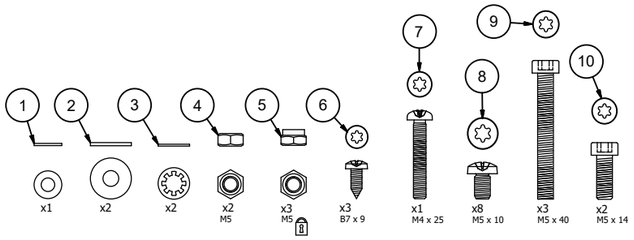


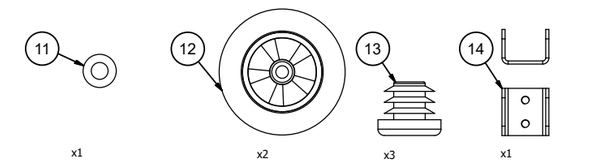
ELECTRICAL CONNECTION DIAGRAM

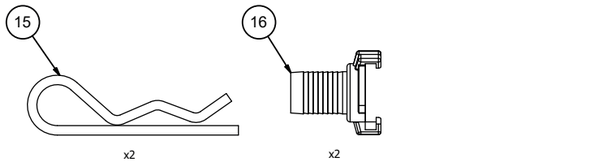


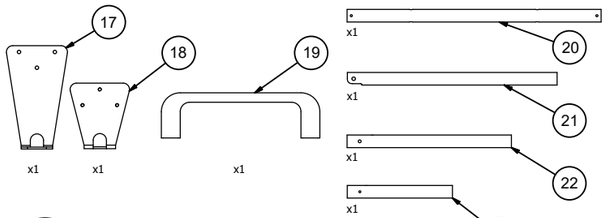
SPARE PARTS

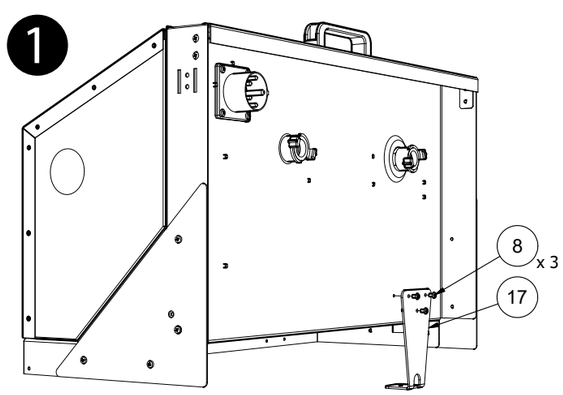
245107 Gasket for claw coupling
245077 Air vent
120028 Overheating protection, 80°
130005 Switch
120026 Thermostat, 10-60°
210240 Circuit board
700663 Immersion heater
731006 Gas damper
245104 40mm Claw connection, (GEKA)
for 3/4" hose (19mm ID)-

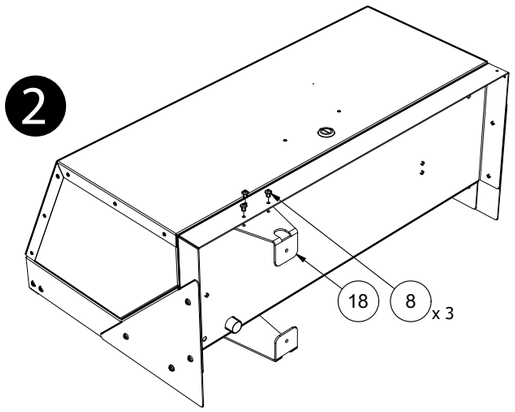


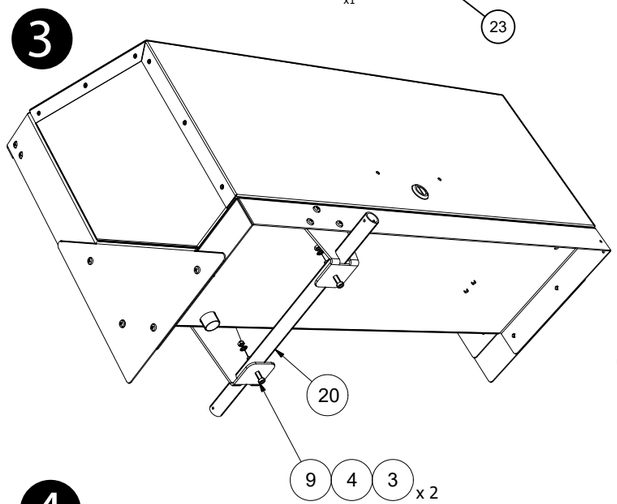


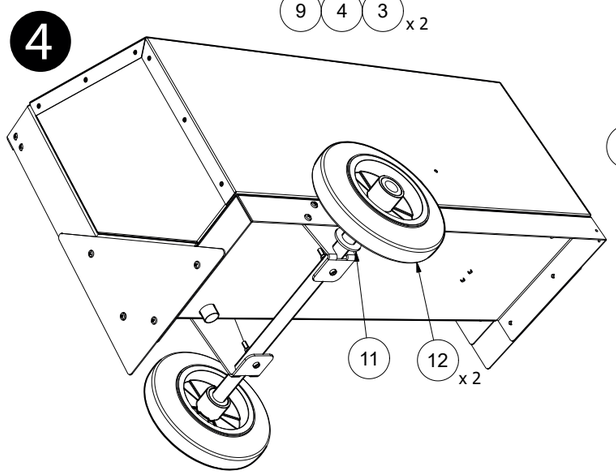


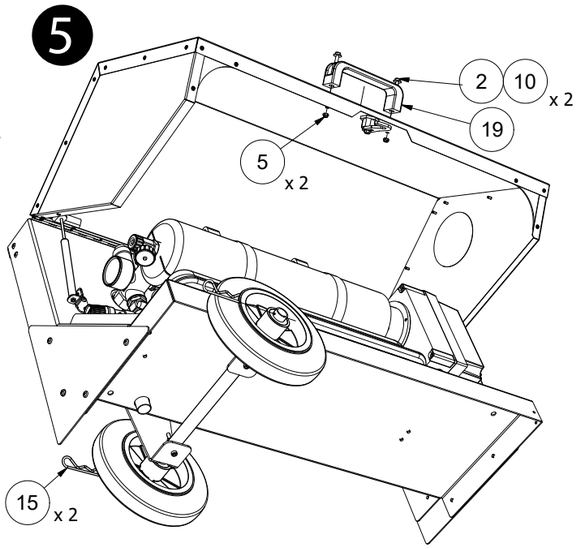


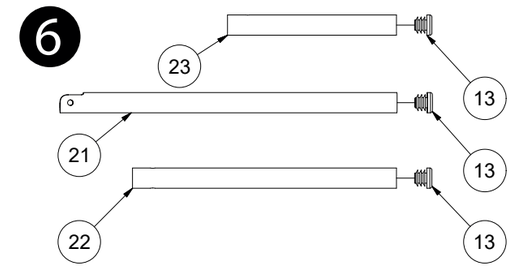


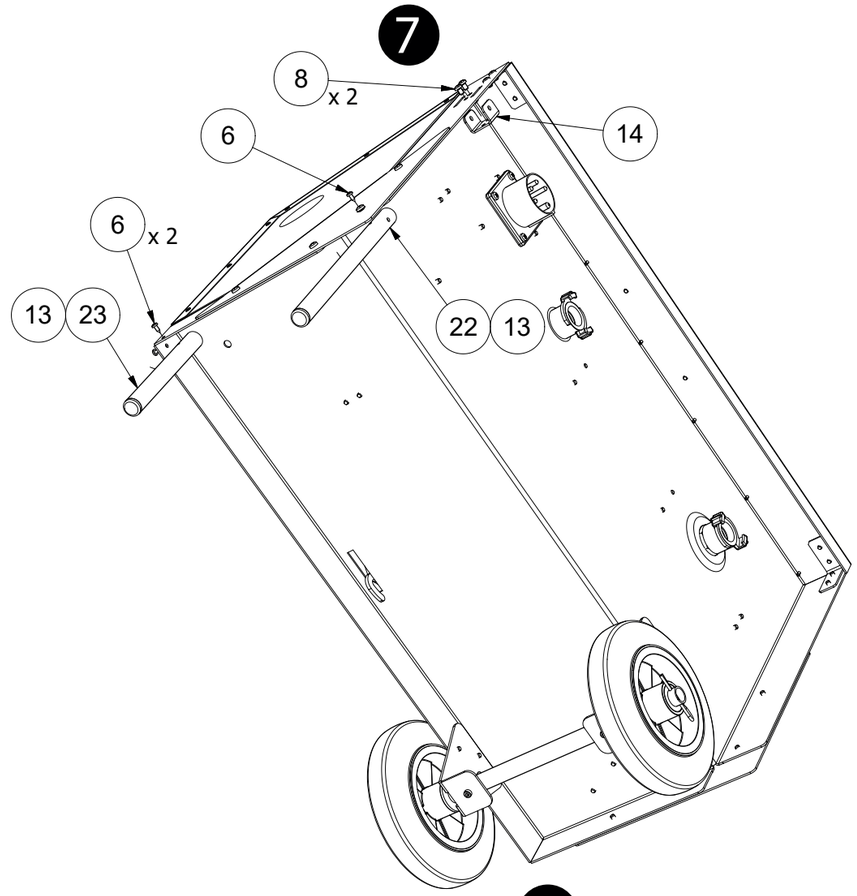


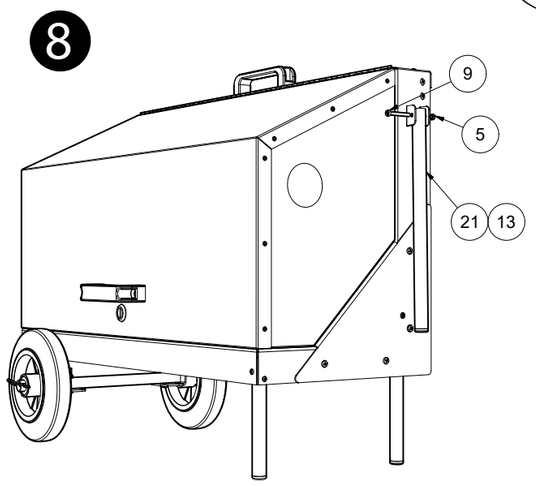


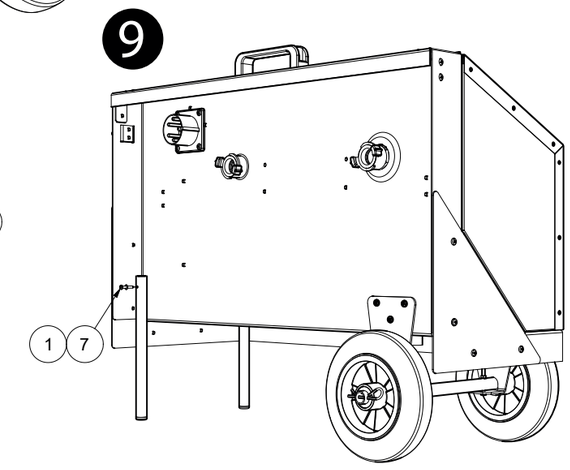












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