

Application

Houses and small apartment buildings.

Function

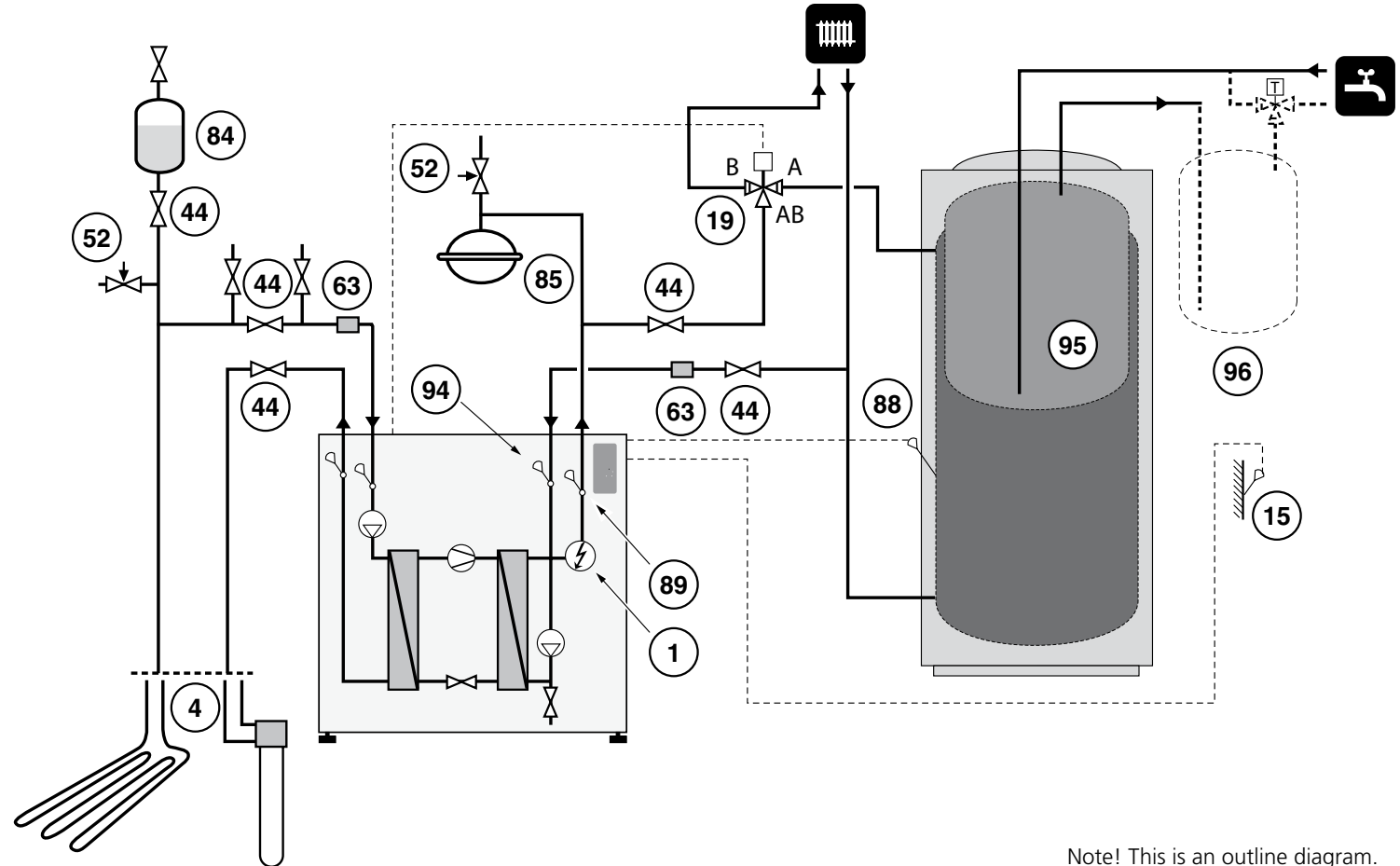
FIGHTER 1140 prioritises hot water charging via a shuttle valve (19). When the water heater/accumulator tank is full (95), the shuttle valve (19) switches to the heating circuit. The heat pump is then controlled by the outdoor temperature sensor (15) in combination with the built-in flow sensor (89). The immersion heater (1) is connected automatically when the energy requirement exceeds the heat pump capacity.

Accessory VST 11, PART no. 089152 are required for this connection.

This option requires the following selections to be made in:

- Menu 9.2.13.1 "Selected docking option" select opt. "1"
- Menu 9.2.13.3 "Hot water", select "On".
- Menu 9.2.13.2 "Immersion heater type" select "Binary 3 step".

Note! These selections are confirmed by switching the heat pump off and on.



Note! This is an outline diagram. Actual installations must be planned according to applicable standards.

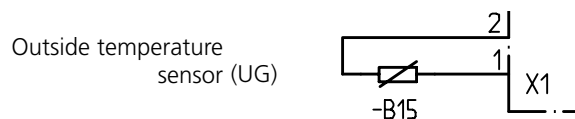
See the appropriate "Installation and Maintenance Instructions" for more information.

M10297 - FIGHTER 1140 with immersion heater, connected to accumulator tank with a hot water heater (liquid condensation).

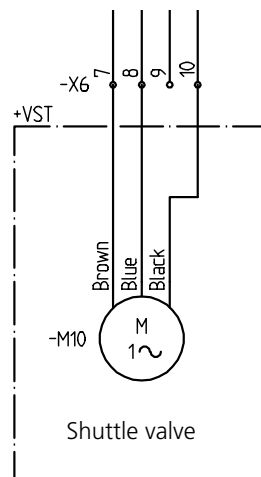
List of Components

Pos	Name	Specification	Manufacturer	PART No.	Remarks
1	Immersion heater		NIBE		
4	Rock collector/Soil collector				
15	Outdoor temperature sensor		NIBE		Included in FIGHTER 1140
19	Shuttle valve		NIBE	089152	Accessory in VST 11
44	Shut-off valve				
52	Safety valve				Safety valve on brine side included in FIGHTER 1140
63	Particle filter		NIBE		Included in FIGHTER 1140
84	Level vessel		NIBE		Included in FIGHTER 1140
85	Expansion vessel				
88	Hot water temperature sensor		NIBE		Included in FIGHTER 1140
89	Flow sensor		NIBE		Included in FIGHTER 1140
94	Return temperature sensor		NIBE		Included in FIGHTER 1140
95	Accumulator with water heater	VPA	NIBE		
96	Electrical hot water heater		NIBE		

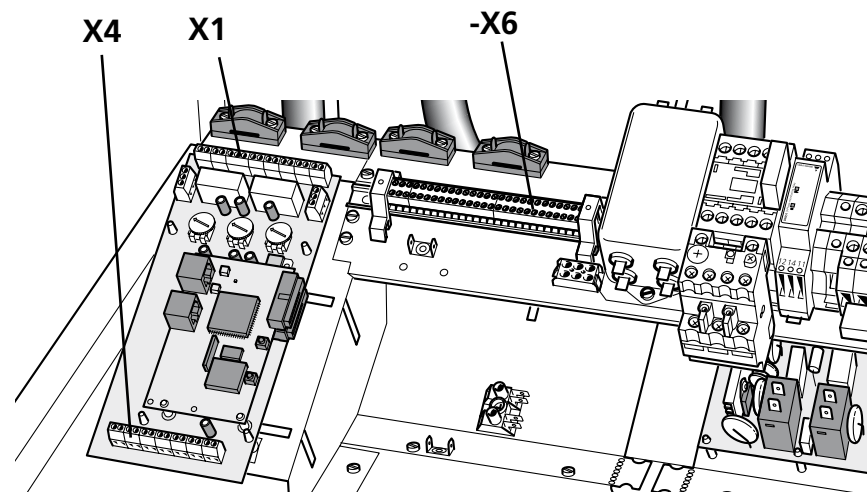
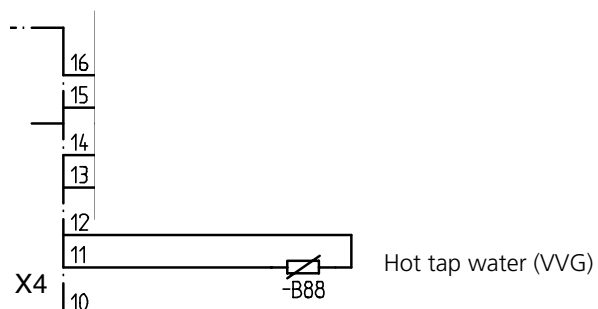
Connection of the outside temperature sensor



Connection VST 11*



Connection of hot water sensor



* Accessories. The figures show how the connection should appear when completed. For full information about the connections see respective "Installation instructions".