

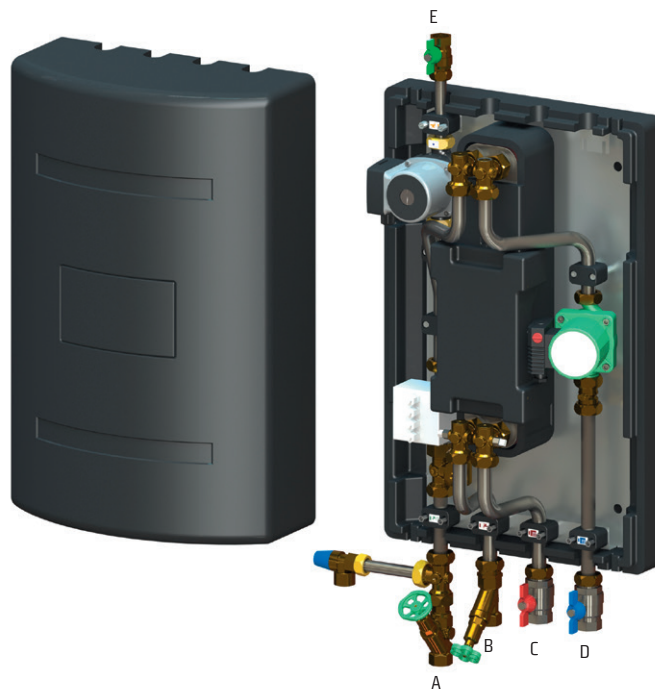
Fresh water unit FWS-V200

FWS-V200-14 with circulation ➔ FWS-V200-14 without circulation

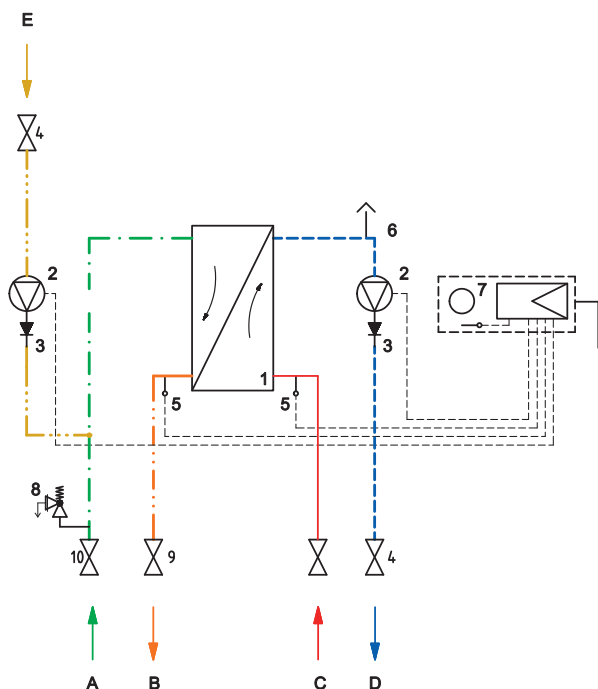
FWS-V200-20 with circulation ➔ FWS-V200-20 without circulation

FWS-V200-30 with circulation ➔ FWS-V200-30 without circulation

➔ Equipment example with process water circulation



➔ Hydraulic diagram



- A Drinking water from the line
- B Domestic hot water home
- C Heating flow, primary
- D Heating return, primary
- E Process water circulation

- 1 Plate heat exchanger GBS 240H-14, GBS 240H-20, GBS 240H-30
- 2 Pump
- 3 Backflow preventer
- 4 Shut-off ball valves
- 5 Sensor
- 6 Ventilation
- 7 Controller
- 8 Safety group
- 9 Free flow valve
- 10 Free flow valve with backflow preventer

↗ Technical data

Materials

Fittings	Sanitary: CW602N, CW617N Heating: CW617N, CW614N
Seal	OHA-Press
Thermal insulation	EPP
Heat exchanger	Plates: 1.4404, Solder: copper or nickel or screwed exchanger
Pipeline	1.4401

Sanitary

Max. operating pressure	PN 10
Domestic hot water temperature	60 °C
Domestic cold water temperature	10 °C
Domestic hot water output	63 kW at FWS-V200-14 and 75 °C Heating flow, primary up to 87 kW at FWS-V200-20 and 75 °C Heating flow, primary up to 115 kW at FWS-V200-30 and 75 °C Heating flow, primary
Domestic hot water tap amount	approx. 18 l/min (FWS-V200-14), up to approx. 25 l/min (FWS-V200-20), up to approx. 35 l/min (FWS-V200-30)
Min. pre-pressure	1,5 bar

Heating

Max. operating pressure	PN 6
Max. operating temperature	85 °C
Min. operating temperature	5 °C

Electrical

Power connection	230 V / 50 Hz
Current consumption	up to 2,6 A
Power consumption	up to 0,34 kW

Dimensions

Width x height x depth	450 x 700 x 282,7 mm
Weight	approx. 15,5 kg without circulation approx. 18 kg with circulation

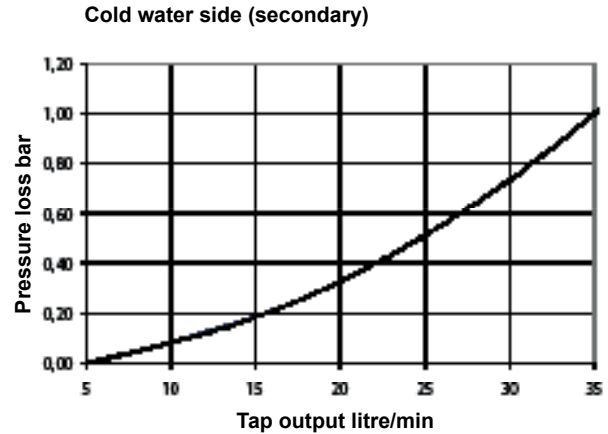
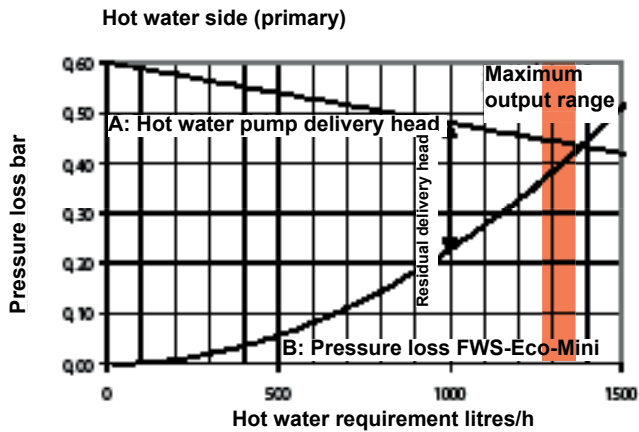
Article no.

102 040 9	FWS-V200-14 with circulation, 18 l/min
102 041 0	FWS-V200-14 without circulation, 18 l/min
102 041 1	FWS-V200-20 with circulation, bis 25 l/min
102 041 2	FWS-V200-20 without circulation, bis 25 l/min
102 041 3	FWS-V200-30 with circulation, bis 35 l/min
102 041 4	FWS-V200-30 without circulation, bis 35 l/min

Controller

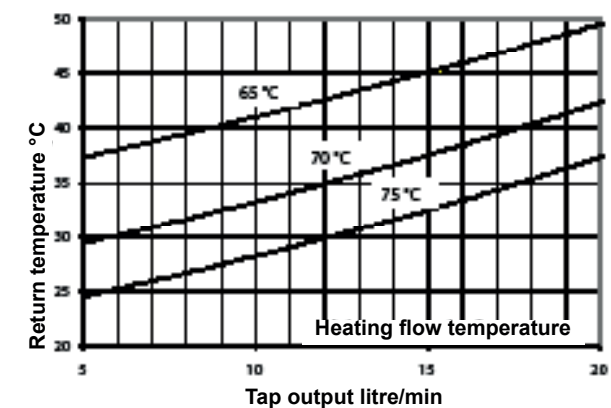
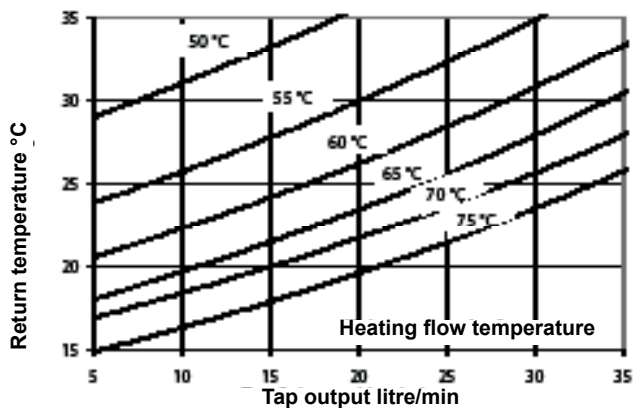
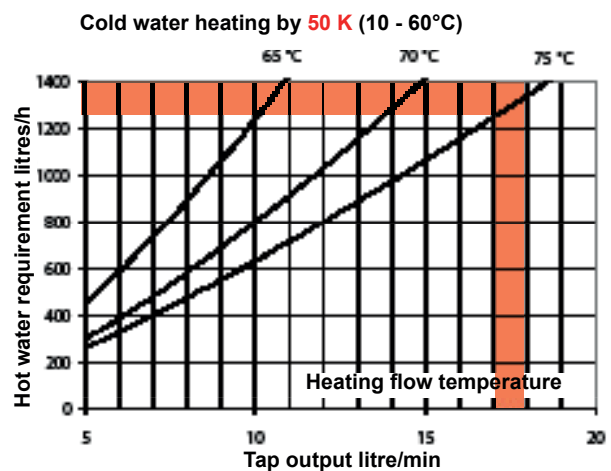
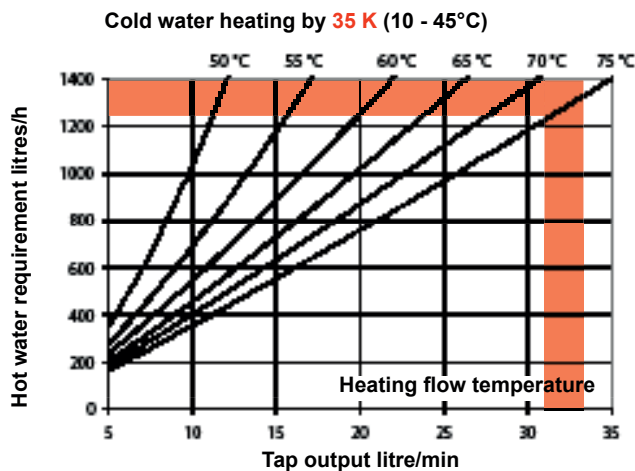
- › Microprocess-controlled controller with rotary knob for hot water setting
- › Volume flow sensor in the cold water inlet for cold water, hot water and heating flow
- › Recirculating pump UPS 15-60
- › Optional: circulation with recirculating pump UPS 15-30B and check valve and DVGW shut-off ball valve

➤ Pressure losses FWS-V200-14

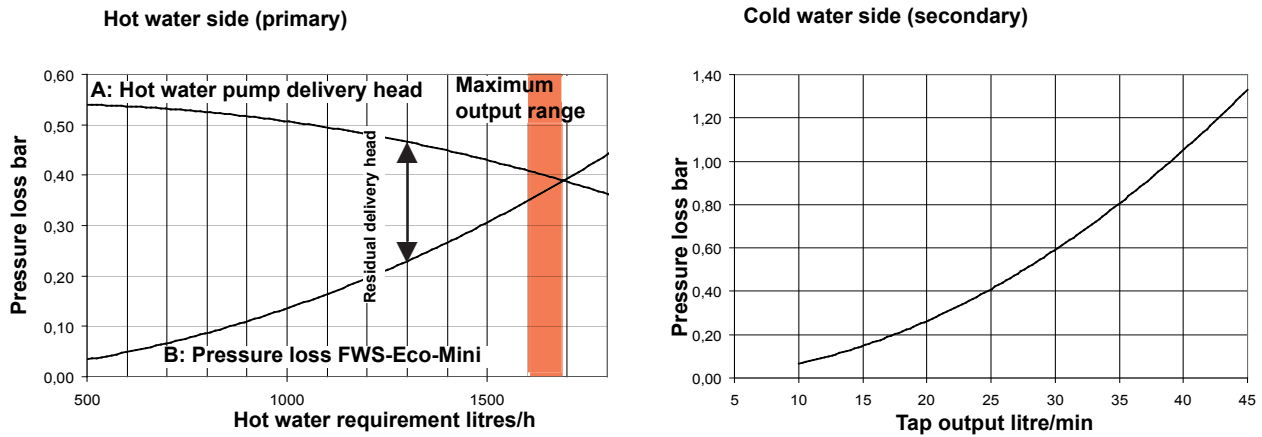


The difference between curve A and B is the recirculating pump's residual delivery head in FWS-V200; this is required to overcome the pipeline resistance between the buffer storage and hot water heater.

➤ Output curves and return temperatures FWS-V200-14

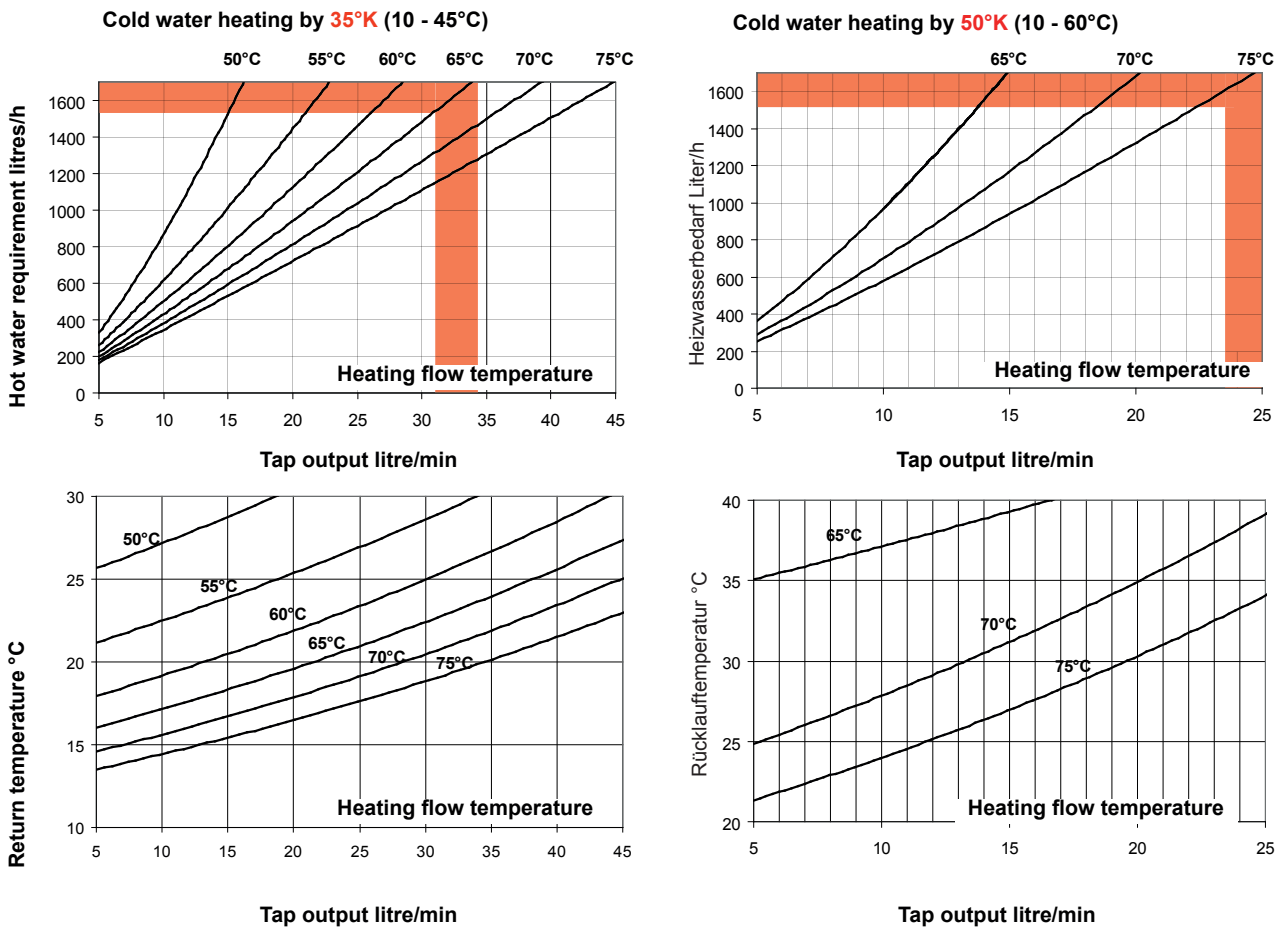


➤ Pressure losses FWS-V200-20



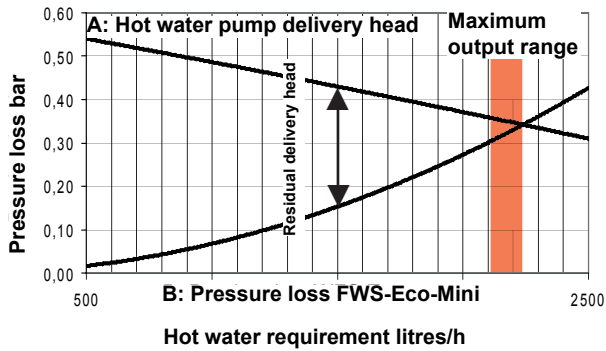
The difference between curve A and B is the recirculating pump's residual delivery head in FWS-V200; this is required to overcome the pipeline resistance between the buffer storage and hot water heater.

➤ Output curves and return temperatures FWS-V200-20

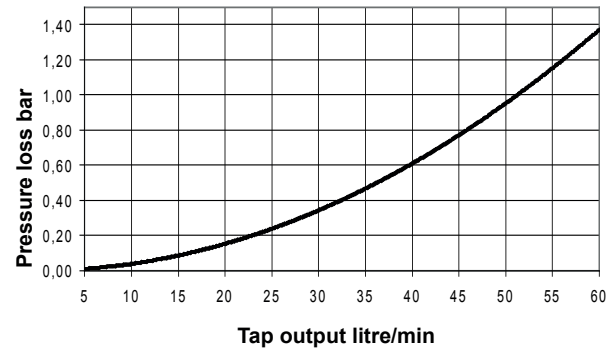


➤ Pressure losses FWS-V200-30

Hot water side (primary)



Cold water side (secondary)



The difference between curve A and B is the recirculating pump's residual delivery head in FWS-V200; this is required to overcome the pipeline resistance between the buffer storage and hot water heater.

➤ Output curves and return temperatures FWS-V200-30

