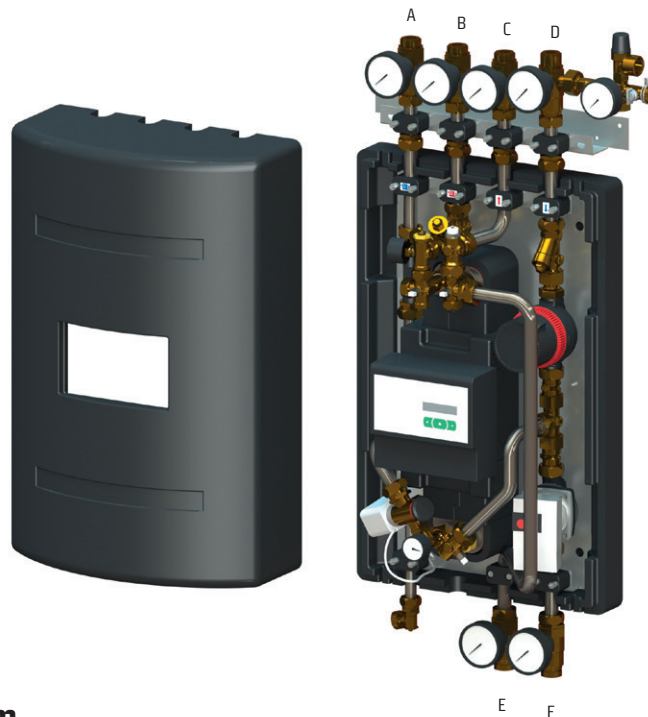


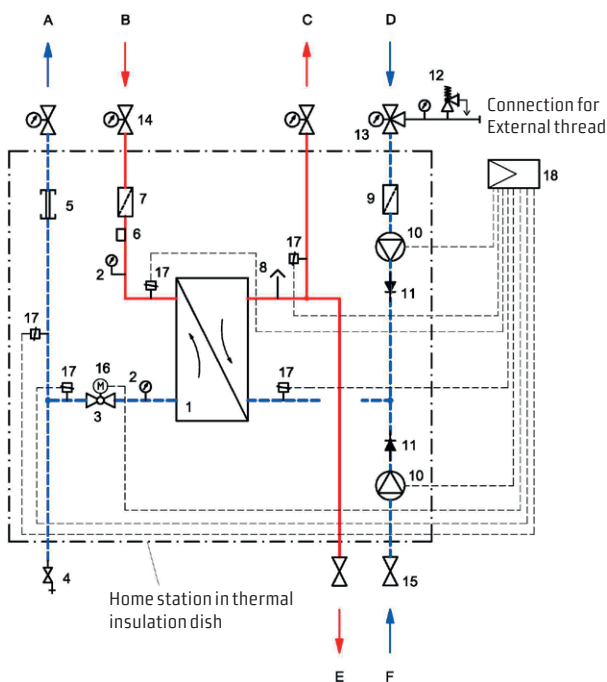
Local and district heating unit NFS-ID300

NFS-ID300-20 → NFS-ID300-30

➤ Basic unit



➤ Hydraulic diagram



- A Heating return, primary
- B Heating flow, primary
- C Heating flow, secondary
- D Heating return, secondary
- E Heating flow domestic hot water storage
- F Heating return domestic hot water storage

- 1 Plate heat exchanger (insulated), GBS 240H-20, GBS 240H-30
- 2 Pressure gauge
- 3 Dynamic volume flow controller
- 4 Emptying
- 5 Heat quantity meter adapter (110 mm x DN20/130 mm x DN25)
- 6 Sensor pocket Heat quantity meter M 10x1, wet submerging
- 7 Dirt catcher: heating flow from line
- 8 Ventilation
- 9 Dirt catcher: heating return (heating)
- 10 Pump
- 11 Backflow preventer
- 12 Safety group (optional)
- 13 3-way ball valve with thermometer (optional)
- 14 2-way ball valve with thermometer (optional)
- 15 Ball valve optional
- 16 3-point actuator
- 17 Temperature sensor
- 18 Controller

↗ Technical data

Materials

Fittings	
Sanitary/heating	according to DIN 50930 part 6
Seal	OHA-Press
Thermal insulation	EPP
Heat exchanger	Plates: 1.4404 Solder: copper
Pipeline	1.4401
Sanitary fittings	CW617N
Heating fittings	CW617N, partially CW614N

Heating

Max. operating pressure	4 bar
Max. operating temperature	110 °C
Max. primary differential pressure	PN 16

Sanitär

If a bronze pump is installed, it is possible also to fill the drinking water storage

Electrical

Electrical connection	230 V / 50 Hz
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Dimensions

Width x height x depth	700 x 450 x 282,7 mm
Weight	approx. 19 kg (with 20 plates) approx. 20,5 kg (with 30 plates)

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- › NFS-ID300-20 up to 20 kW
- › 1 heating circuit
- › With domestic hot water heater secondary with pump

	Heating flow, primary	Heating return, primary	Heating flow, secondary	Heating return, secondary	Volume flow, primary	Volume flow, secondary
20 kW	80 °C	50 °C	70 °C	45 °C	576 l/h	961 l/h

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- › NFS-ID300-30 up to 30/40 kW
- › 1 heating circuit
- › With domestic hot water heater secondary with pump

	Heating flow, primary	Heating return, primary	Heating flow, secondary	Heating return, secondary	Volume flow, primary	Volume flow, secondary
30 kW	80 °C	50 °C	70 °C	45 °C	860 l/h	1036 l/h
40 kW	80 °C	50 °C	70 °C	45 °C	1148 l/h	1378 l/h