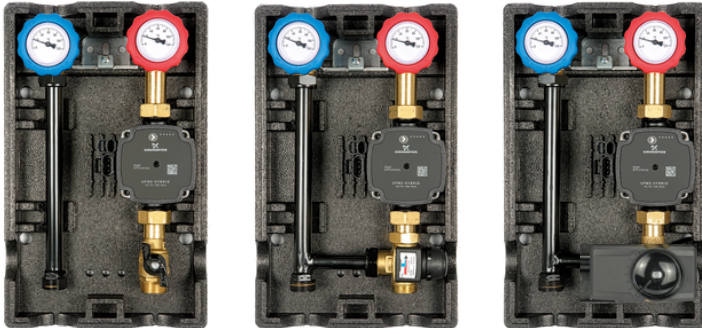


NOVAHEAT DN20

ART. 15000/15100/15200



Function

The direct circulation group is able to ensure the correct flow rate of the heat transfer fluid and sufficient head pressure in all heating systems that require a circulator or for boiler loading, where the supply temperature matches the working temperature of the generator. Supply and return sides can be easily switched.

Technical data

Nominal diameter	DN20 direct/mixed fixed point/mix with motor
Max. pressure	PN10
Max. flow rate	DN20 direct - 2100 l/h DN20 mixed fixed point/motorized - 2000 l/h
Max. working temperature	95°-110° peak
Min. working temperature	+5°
Check valve opening	ΔP : 2KpA (200mm approx.)
Fluid	Water-water + glycol max 30%
Thermometers	0-120°C
Supply voltage	230 V/50 Hz
Electrical consumption	DN20 direct/mixed fixed point - max 52 W DN20 motorized mixed - max 56 W
IP protection class	IPX0D
External dimensions	250x400x210 mm
Pipes	Copper \varnothing 22 mm
Generator/collector connections	1" M
Heating circuit connections	1" F

Materials

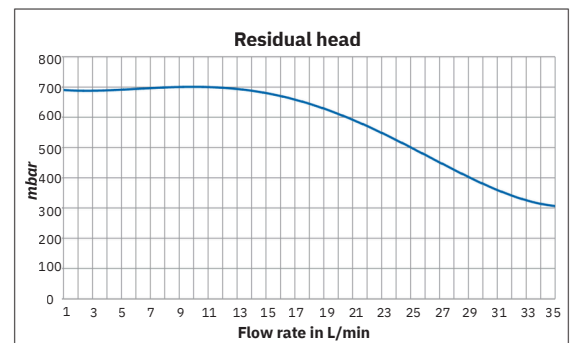
Pipes	Copper
Insulation	EPP
Circulators	Cast iron
Components	Brass/CW617N

Max power

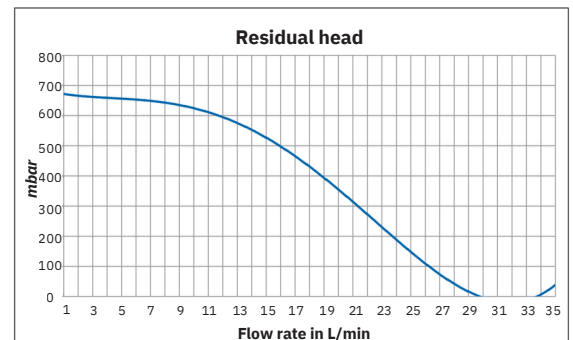
Max power	Direct	Mixed
ΔT 8°C	17 kW	16 kW
ΔT 10°C	21 kW	20 kW
ΔT 15°C	32 kW	30 kW
ΔT 20°C	42 kW	40 kW

Diagram

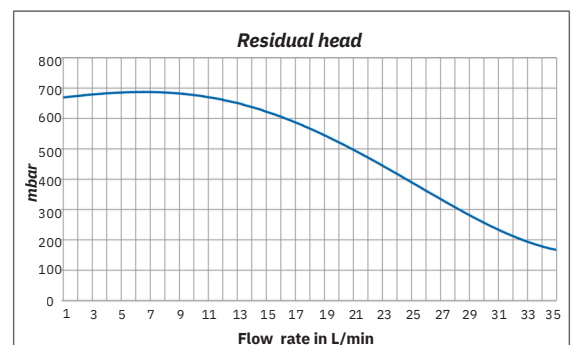
DN20 direct



DN20 fixed-point

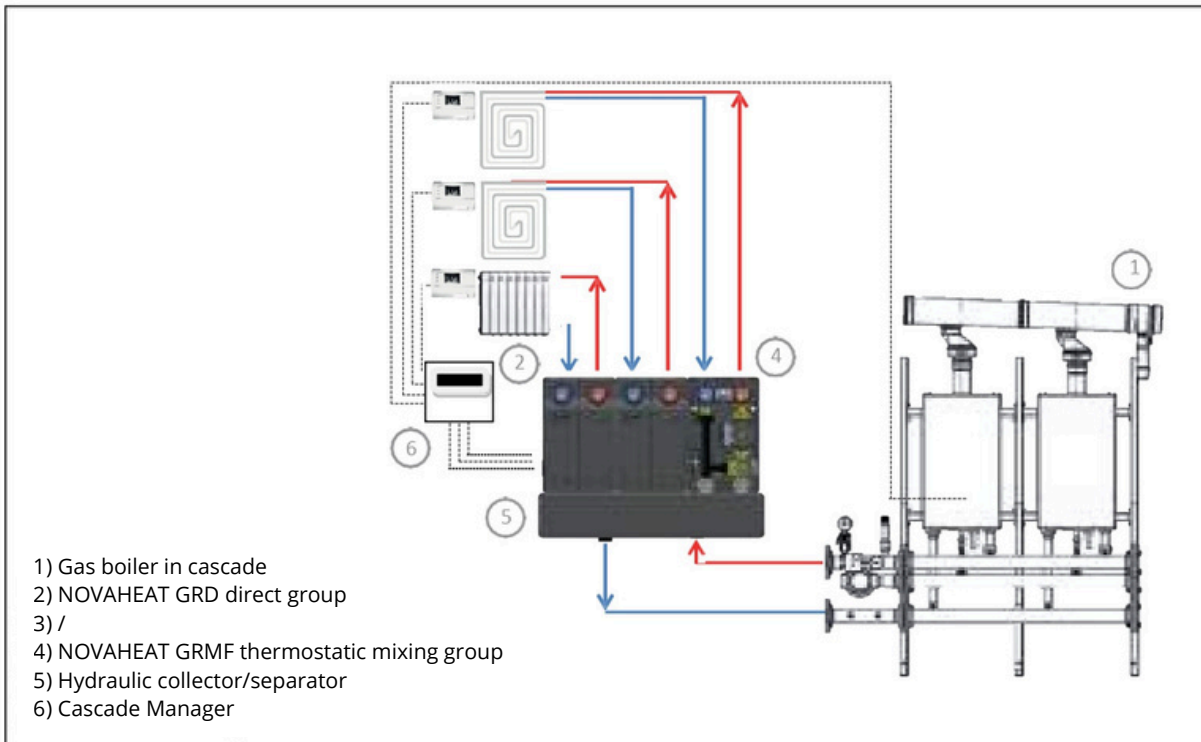


DN20 mixed motorized

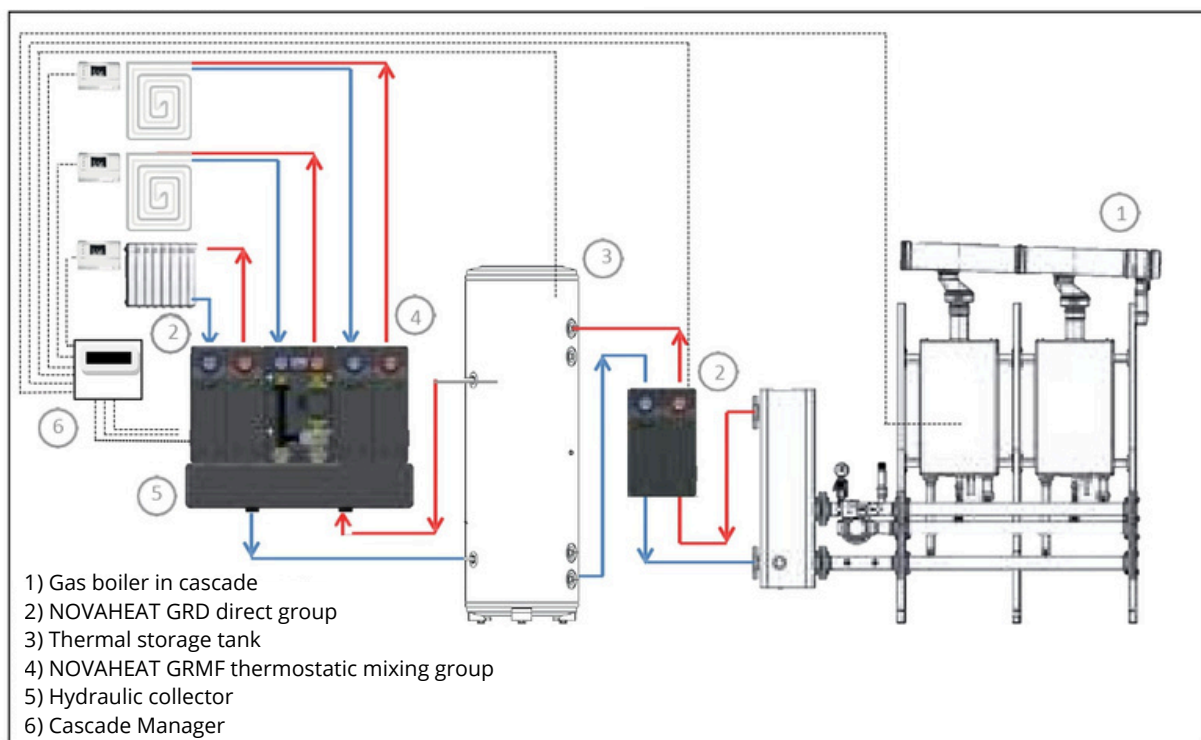


Installation diagram

Heating system with cascade of generators, separator/collector, two fixed-point mixed circulation groups, and one direct zone.

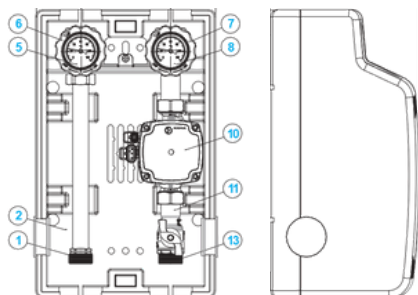


Heating system with cascade of generators, buffer tank, two fixed-point mixed circulation groups, and one direct zone.



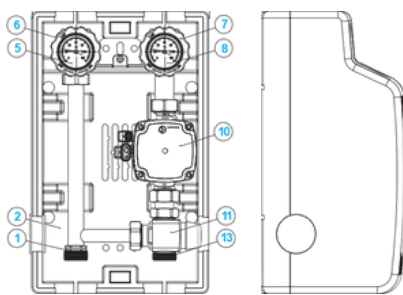
Composition

DN20 direct



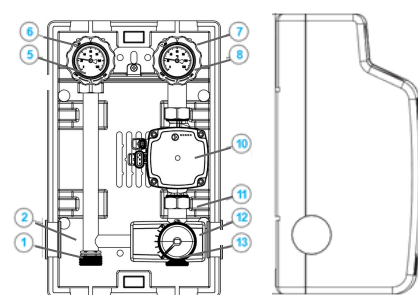
- 1) Generator return connection
- 2) Insulating cover
- 5) Heating return thermometer
- 6) Heating return valve/non-return
- 7) Heating supply valve
- 8) Heating supply thermometer
- 10) Heating circulator
- 11) Generator valve
- 13) Generator supply connection

DN20 fixed point



- 1) Generator return connection
- 2) Insulating cover
- 5) Heating return thermometer
- 6) Heating return valve/non-return
- 7) Heating supply valve
- 8) Heating supply thermometer
- 10) Heating circulator
- 11) Thermostatic mixing valve
- 13) Generator supply connection

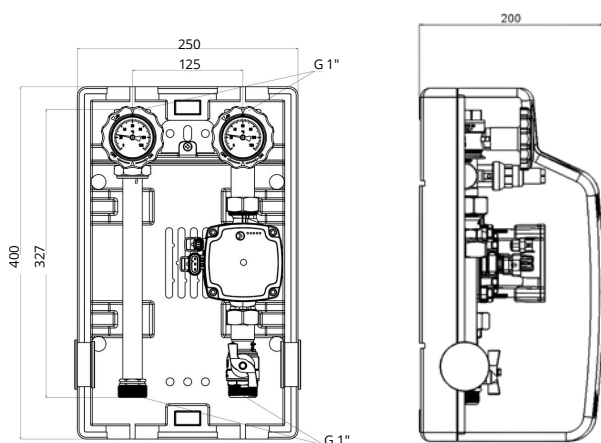
DN20 mixed motorized



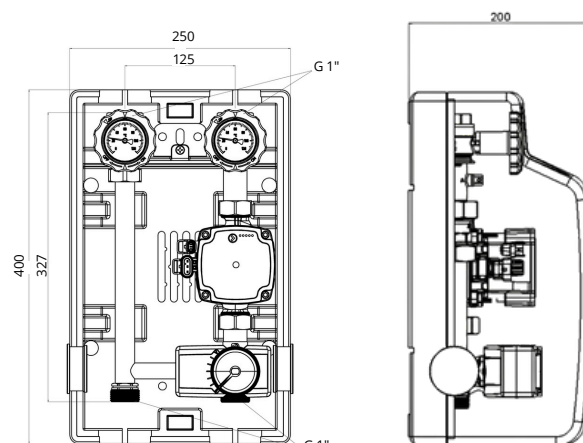
- 1) Generator return connection
- 2) Insulating cover
- 5) Heating return thermometer
- 6) Heating return valve/non-return
- 7) Heating supply valve
- 8) Heating supply thermometer
- 10) Heating circulator
- 11) Mixing valve
- 12) Mixing valve motor
- 13) Generator supply connection

Dimensions

DIRECT GROUP – DN 20



MIXED GROUP – DN20

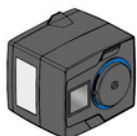


Accessories



MOTOR

MOTOR NVM08 - 230V - 3 pt.
(Code: R3005208)
MOTOR NVM07 - 24V - 0-10V
(Code: R3005207)



CONTROL UNIT

NVMC01 - CONTROL UNIT WITH TEMPERATURE CONTROL
NVMC02 - CONSTANT TEMPERATURE CONTROL UNIT



THERMOSTATIC MIXING VALVE

Thermostatic Mixing Valve VTA 372
20 - 55°C - Code: 50105119
30 - 70°C - Code: 50105261

Certifications

Product compliant with:

- EN 16297-2 / EN 16297-3:2012 ErPReady
- PED Directive - 2014/68/EU

