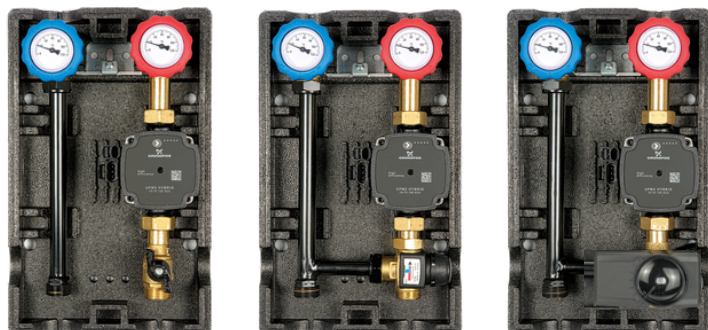


NOVAHEAT DN25

ART. 15000/15100/15200



Function

The fixed point pump unit with mixing valve guarantees the correct flow-rate and a correct pumping head in all heating systems where a direct supply temperature control is necessary. The working temperature is set on the thermostatic mixing valve in order to get an effective and safe control of the supply side of the system in cases when temperature is different from the heating generator supply one. The thermostatic valve can be available with different calibration scales.

Technical data

Nominal diameter	DN25 direct/mixed fixed point/mix with motor
Max. pressure	PN10
Max. flow rate	DN25 direct - 2400 l/h DN25 mixed fixed point/motorized - 2300 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	DN25 direct/mixed fixed point - max 52 W DN25 motorized mixed - max 56 W
IP protection class	IPX0D
External dimensions	250x400x210 mm
Pipes	Copper Ø 28 mm
Generator/collector connections	1" M
Heating circuit connections	1" F

Materials

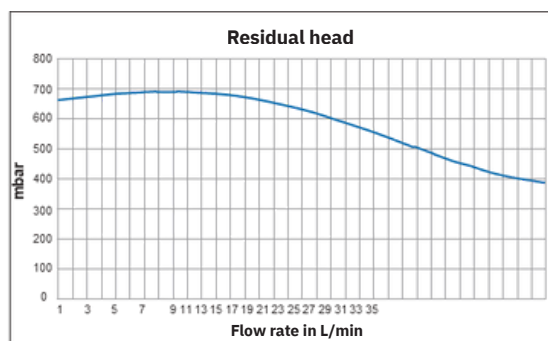
Pipes	Copper
Insulation	EPP
Circulators	Cast iron
Components	Brass/CW617N

Max power

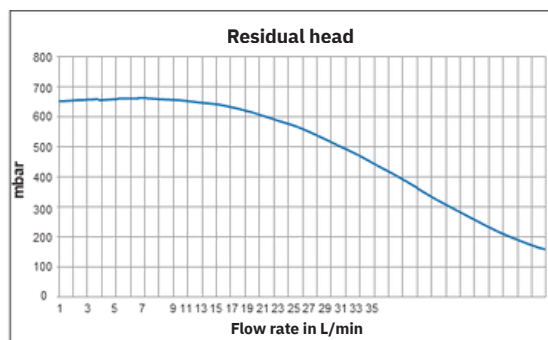
Max power	Direct	Mixed
ΔT 8°C	20 kW	19 kW
ΔT 10°C	24 kW	23 kW
ΔT 15°C	36 kW	35 kW
ΔT 20°C	48 kW	46 kW

Diagram

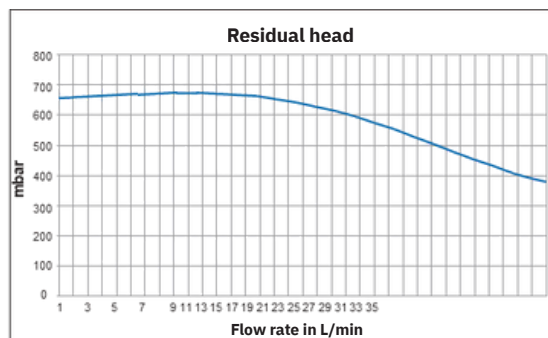
DN25 direct



DN25 fixed point

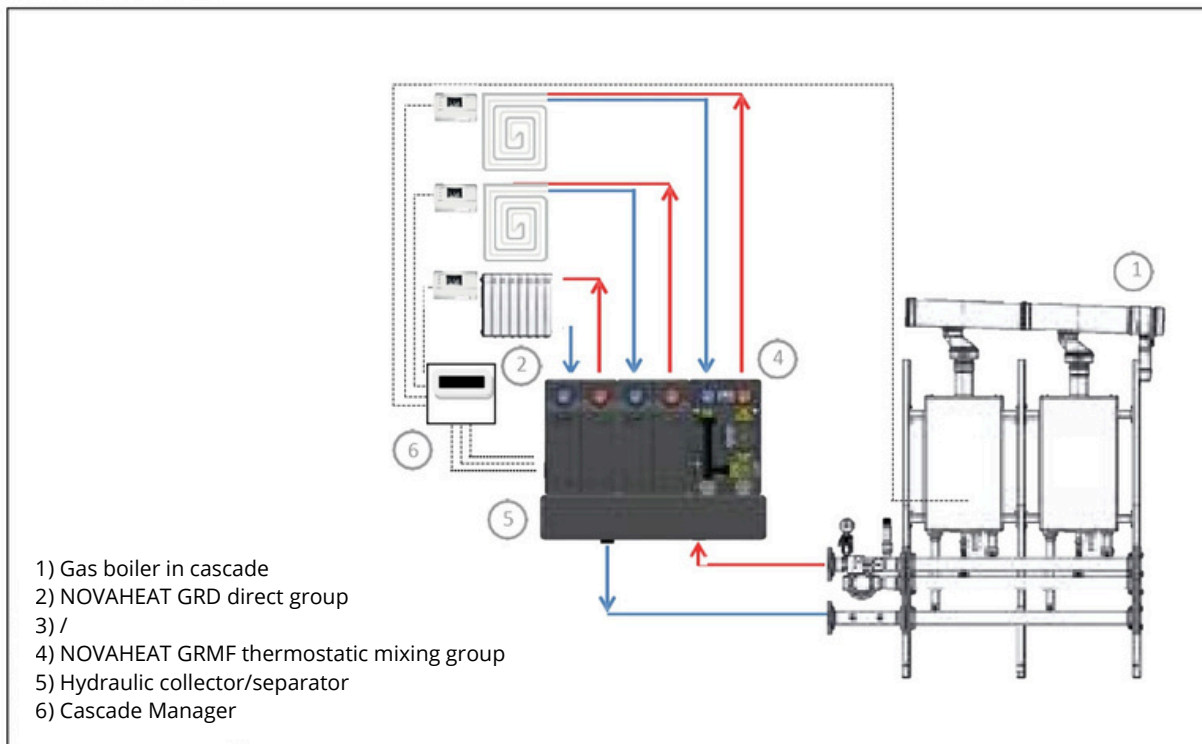


DN25 mixed motorized

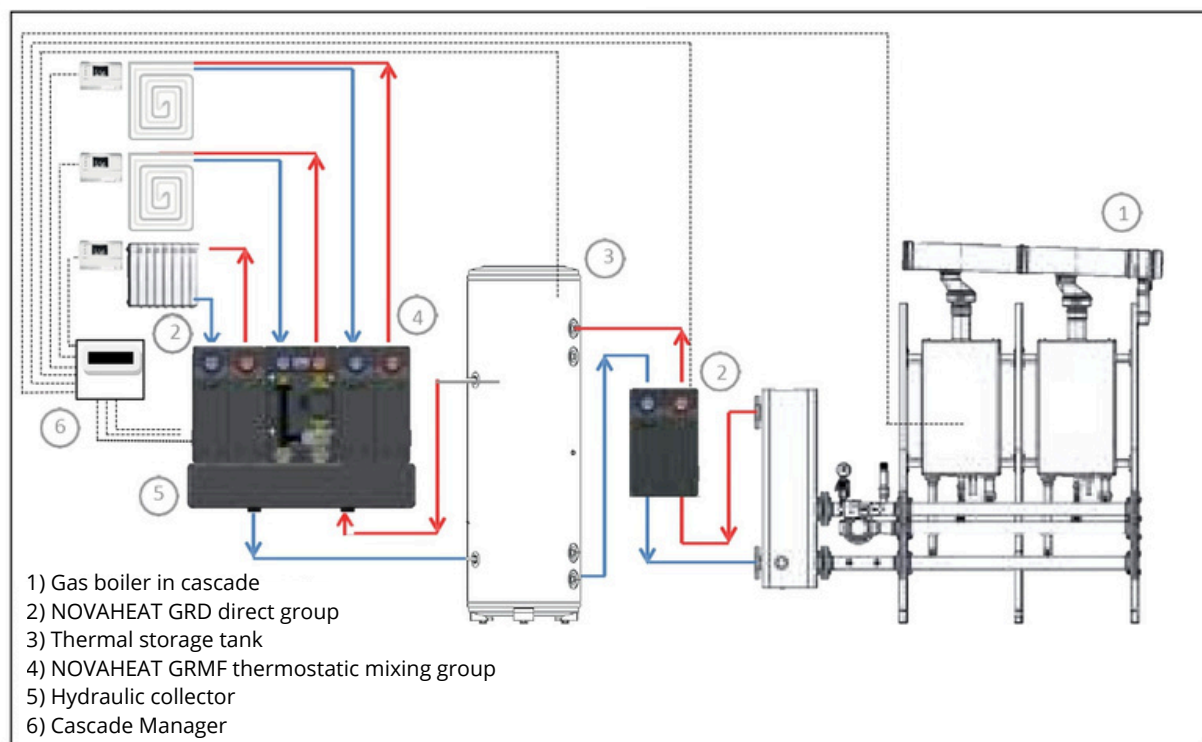


Installation diagram

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

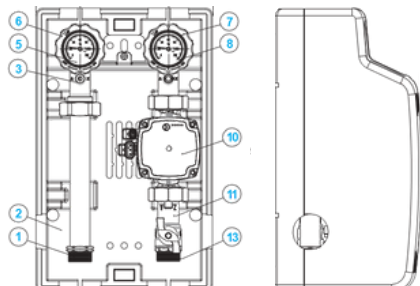


Heating system with cascade of generators, buffer tank, two fixed-point mixed circulation groups, and one direct zone.



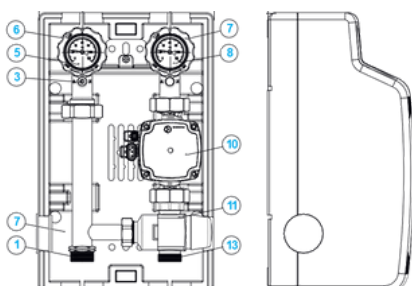
Composition

DN25 direct



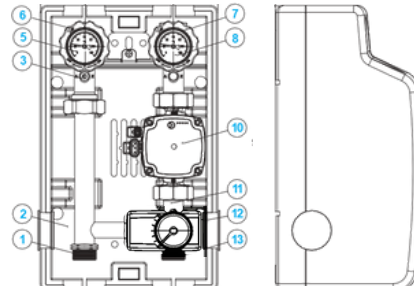
- 1) Return connection generator
- 2) Insulating cover
- 3) Non-return valve
- 5) Return temperature gauge heating
- 6) Heating return valve/non-return
- 7) Heating supply valve
- 8) Heating supply temperature gauge
- 10) Heating circulator
- 11) Generator valve
- 13) Generator supply connection

DN25 fixed point



- 1) Return connection generator
- 2) Insulating cover
- 3) Non-return valve
- 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

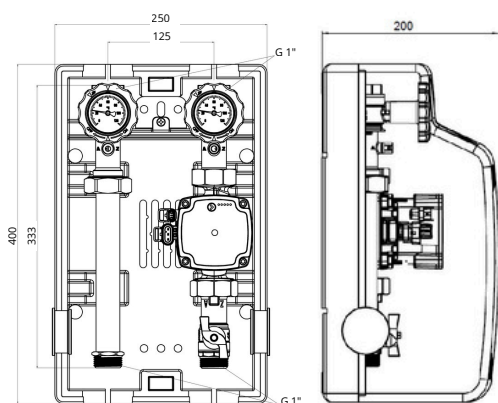
DN25 mixed motorized



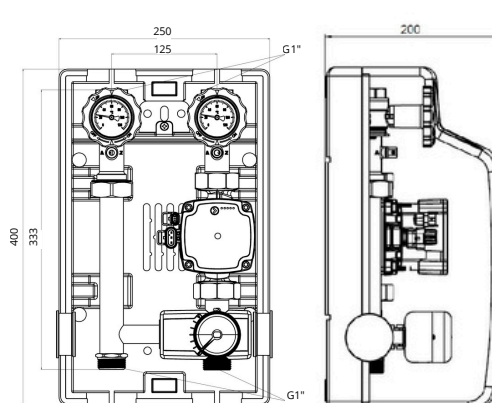
- 1) Return connection generator
- 2) Insulating cover
- 3) Non-return valve
- 5) Heating return thermometer
- 6) Heating return valve/non-return
- 7) Heating supply valve
- 8) Heating supply thermometer
- 10) Heating circulator
- 11) Mixing valve
- 12) Mixing valve motor
- 13) Generator supply connection

Dimensions

DIRECT GROUP – DN25



MIXED GROUP – DN25

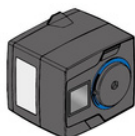


Accessories



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 572
10 - 30°C - Cod.50105102
20 - 55°C - Cod.50105103
30 - 70°C - Cod.50105225

Certifications

Product compliant with:

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

