



Function

The NOVAZONE DM with mixed zone is a hydraulic module for managing one or more heating/cooling circuits. It allows the circulation of the fluid in each single circuit and, if required, controls the delivery temperature. It also adjusts the supply temperature of the heating zones independently from the generator's supply temperature. The zone supply temperature can be modified via a temperature control system. The integrated hydraulic separator ensures hydraulic separation between the generator and the heating zones, making them hydraulically independent.

Technical data

Nominal diameter	DN15
Maximum pressure	PN10
Maximum operating temperature	95°-110° peak
Minimum operating temperature	+5°C
Fluid	Water – water/glycol mix max 30%
System-side valves	DN20
Non-return valve op.pressure	$\Delta P: 2\text{kPa}$ (200 mm approx)
Overall dimensions	450 x 500 x 160 mm
Protection rating	IPX0D
Pipes	Copper \varnothing 18 mm
Generator connection	3/4" M
Center distance	320 mm
Heating connections	3/4" F
Center distance	70 mm
Circulator	Grundfos UPM3 Hybrid 15-70 ErP Ready
Maximum flow rate	2100 l/h
Maximum power	35 kW
Residual head at 1000 l/h	6.4 m.w.c.
Single unit power consumption	Max 52 W
Thermometers	0-160°C

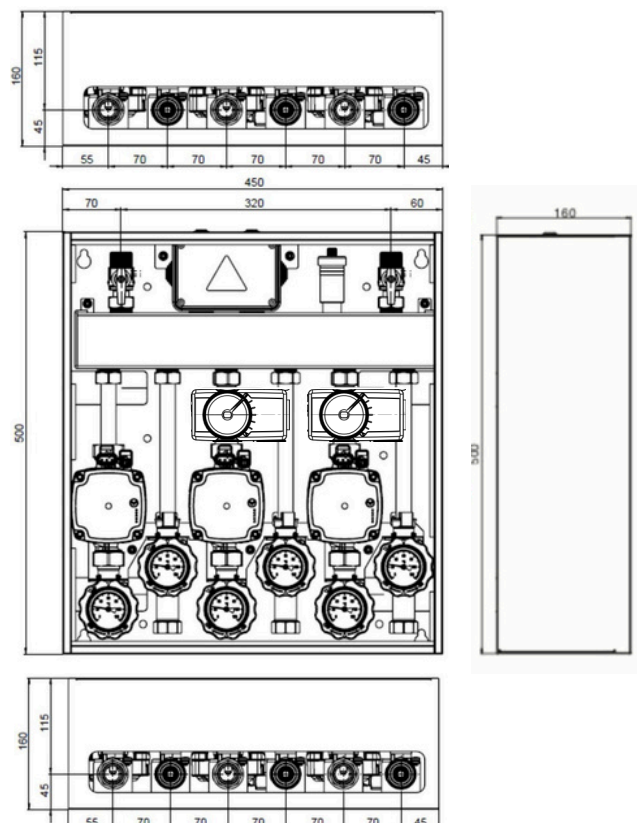
Mixed zone

Mixing valve	Mod. NVM - 1" M
Mixing valve actuator	Mod. NVMC3, 3pt, 230V
Maximum flow rate	2000 l/h
Maximum power	14kW
Residual head	3,8 m.w.c.
Power consumption	Max 52W

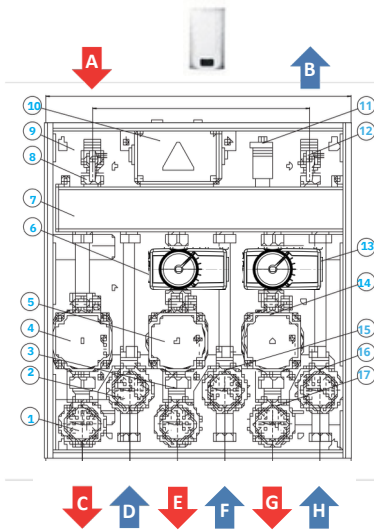
Materials

Pipes	Copper
Insulation	FE painted
Collector	FE painted
Circulators	Cast iron
Components	Brass/CW617N

Dimensions



Composition



- 1) Supply valve zone 1
- 2) Return valve zone 1
- 3) Supply valve zone 2
- 4) Circulator zone 1
- 5) Circulator zone 2
- 6) Motorized mixing valve zone 2
- 7) Hydraulic separator
- 8) Generator supply valve
- 9) Metal casing
- 10) Electrical junction box
- 11) Automatic air vent
- 12) Generator return valve
- 13) Motorized mixing valve zone 2
- 14) Circulator zone 3
- 15) Return valve zone 2
- 16) Supply valve zone 3
- 17) Return valve zone 3

- A) Heat generator supply
- B) Heat generator return
- C) Heating supply direct zone 1
- D) Heating return direct zone 1
- E) Heating supply direct zone 2
- F) Heating return direct zone 2
- G) Heating supply direct zone 3
- H) Heating return direct zone 3

Accessories



MOTOR

MOTOR NVM11-230V - 2pt.
(Cod. R3005211)



CIRCULATOR UPM3

CIRCULATOR UPM3 HYBRID 15/70 - 130
(Cod. CF105336)



RED AND BLUE HANDLE

- 3/4M x 3/4F RED HANDLE (Cod. 10305138)
- 3/4M x 3/4F BLUE HANDLE (Cod. 10305142)



BLU VALVE

DN20 QUICK CONNECT VALVE x 3/4" F HANDLE WITH BLUE THERMOMETER
(Code 10405012)



RED VALVE

DN20 1" F x 3/4" F VALVE HANDLE WITH RED THERMOMETER
(Code 10405011)

Certifications

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

