



Function

The NOVAZONE DM direct module is capable of ensuring the correct flow rate of the heat transfer fluid and adequate head pressure in all heating systems that require additional performance beyond the boiler circulator, without altering the supply temperature of the heating zones compared to the generator's supply temperature. The hydraulic separator integrated into the module ensures hydraulic separation between the generator and the heating zones, making them hydraulically independent. Each zone is equipped as standard with a Grundfos UPM3 Hybrid circulator, ErP-Ready.

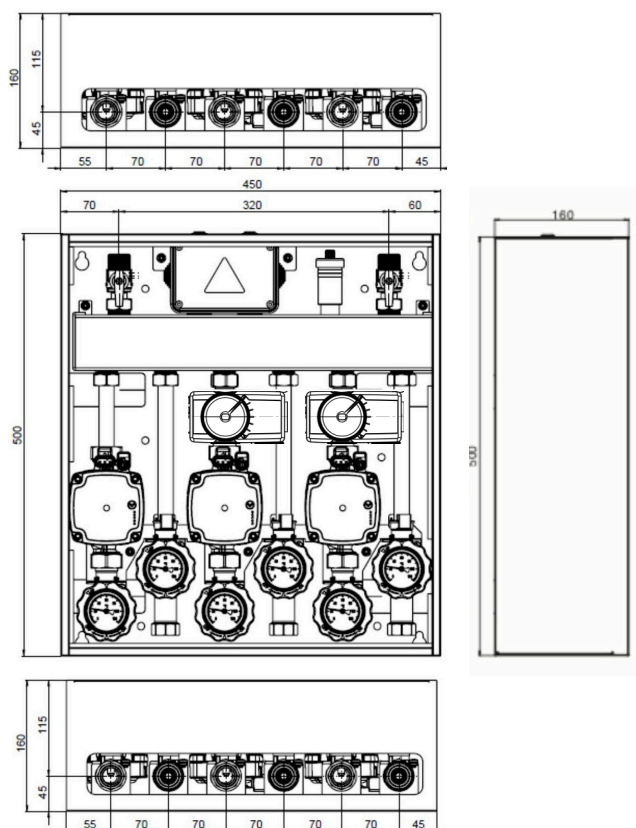
Technical data

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	$\Delta P: 2 \text{ KpA} (200 \text{ mm approx})$
Overall dimensions	450x500x160 mm
Protection rating	IPX0D
Pipes	Copper $\varnothing 18 \text{ mm}$
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	2,100 l/h
Maximum power	35 kW
Residual head at 1,000 l/h	6.4 m.w.c
Single unit power consumption	Max 52 W
Thermometers	0-160°C

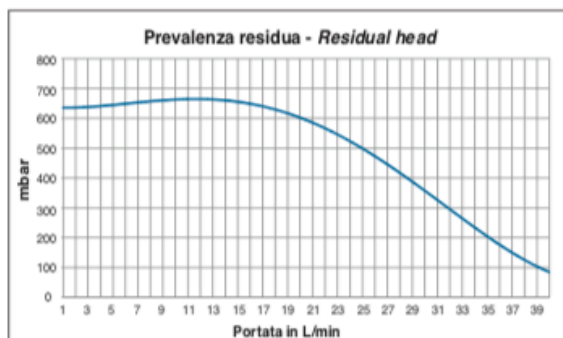
Materials

Pipes	Copper
Insulation	Painted steel
Collector	Painted steel
Circulators	Cast iron
Components	Brass/CW617N

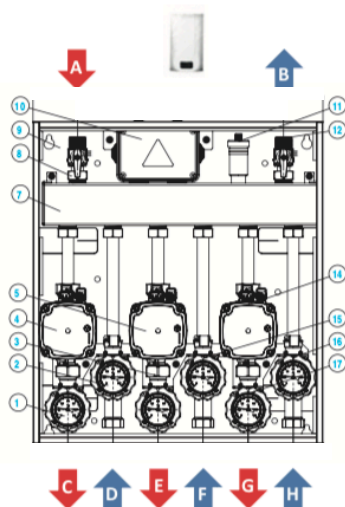
Dimensions



Diagram



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



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

