



## Function

The NOVAZONE DMF 122 for heat pumps is the multizone module for the managing of the correct flow rate of the heat transfer fluid and adequate head pressure in all heating and cooling systems with heat pumps that require additional performance beyond that of the boiler circulator, without altering the supply temperature of the heating zones compared to the generator's supply temperature. The integrated hydraulic separator guarantees hydraulic decoupling of the generator from the heating zones, making them hydraulically independent.

## Technical data

|   |                                      |
|---|--------------------------------------|
| Nominal Diameter  | DN15                                 |
| Max Pressure  | PN10                                 |
| Max Operating Temperature                                     | 95°-110°C Peak                       |
| Min Operating Temperature                                     | +5°C                                 |
| Fluid   | Water - Water + glycol max 30%       |
| System Side Valves  | DN20                                 |
| Non-return Valve Op. Press. $\Delta P$ :2kPa (200 mm approx.) |                                      |
| External Dimensions   | 450x500x160 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 |
| Max Flow Rate   | 2100 l/h                             |
| Max Power Output  | 35 kW                                |
| Residual Head at 1000 l/h                                     | 6.4 m.w.c.                           |
| Single Unit Power Consumption                                 | max 52 W                             |
| Thermometers  | 0-160°C                              |

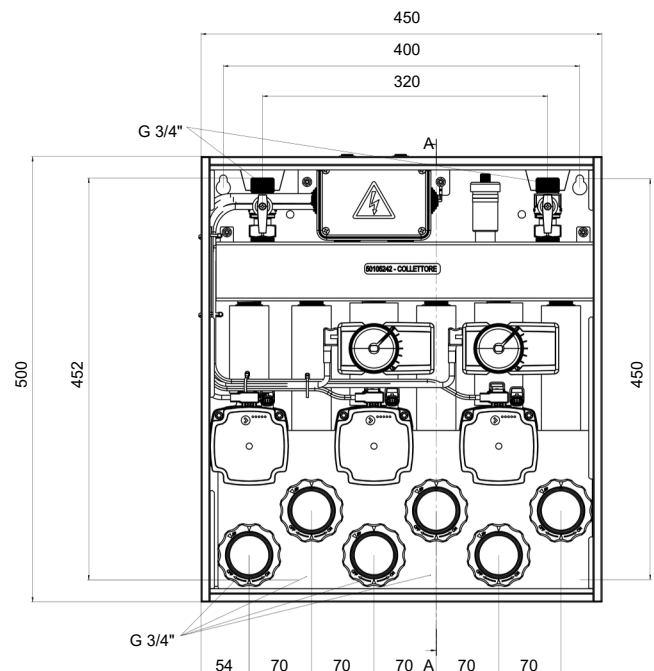
## Mixed zone

|                              |                       |
|------------------------------|-----------------------|
| Mixing Valve                 | Mod. NVM - 1" M       |
| Mixing Valve Actuator        | Mod. NVMC3, 3pt, 230V |
| Maximum Flow Rate            | 2000 l/h              |
| Maximum Power Output         | 14kW                  |
| Residual Head                | 3,8 m.c.a             |
| Electrical Power Consumption | max 52W               |

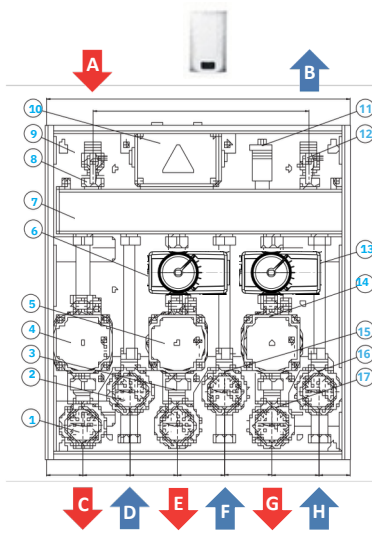
## Materials

|             |              |
|-------------|--------------|
| Pipes       | Copper       |
| Casing      | FE painted   |
| Manifold    | FE painted   |
| Circulators | Cast Iron    |
| Components  | Brass/CW617N |

## Dimensions



## Composition



- 1) Zone 1 Flow Valve
- 2) Zone 1 Return Valve
- 3) Zone 2 Flow Valve
- 4) Zone 1 Circulator
- 5) Zone 2 Circulator
- 6) Motorized Mixing Valve Zone 2
- 7) Hydraulic Manifold
- 8) Generator Flow Valve
- 9) Metal Enclosure with Integrated Insulation
- 10) Support Electrical Box
- 11) Automatic Air Vent
- 12) Generator Return Valve
- 13) Motorized Mixing Valve Zone 2
- 14) Zone 3 Circulator
- 15) Zone 2 Return Valve
- 16) Zone 3 Flow Valve
- 17) Zone 3 Return Valve

- 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

## Certifications

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



## Accessories



### MOTOR

MOTOR NVM11-230V - 3pt.  
(Cod. 83005131)



### CIRCULATOR

UPM3 HYBRID CIRCULATOR 15/70 - 130  
(Cod. CF105236)



### BLUE VALVE

DN20 VALVE QUICK CONNECTION 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)



### DIRECT HEATING/COOLING ZONE

SINGLE DIRECT HEATING/COOLING ZONE FOR NOVAZONE  
(Code R9926150)



### MOTORIZED HEATING/COOLING ZONE

SINGLE MOTORIZED HEATING/COOLING ZONE FOR NOVAZONE  
(Cod. R9926250)