

Description

Booster Module DN25, composed of 2 ball valves with thermometer and check valve, high performance energy circulating pump "AlfaMax" self-adjusting 6 mt head, spacer alignment, screw driver adjustment ball valve for eventual substitution of pump and isolating shell.

Product range

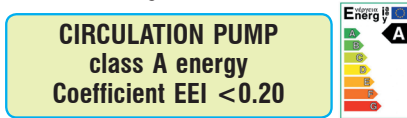
Prepared for fitting by-pass valve to avoid eventual over-pressure of pump (Art P.301.03) for powers up to 50KW.

Order code	Connections Ø
E.621.10	1" F. x 1" M.
E.621.12	1" F. x 1 1/2" M.

Characteristics

Working temperature range: 5-90°C
 Max working pressure: 10 bar
 Female threaded connections: EN 10226-1
 Male threaded connections: ISO 228-1
 Wheel base connections: 125mm
 Pump: Alfamax RS 25/60

Compatible fluids:
 Water, glycolated solutions (max 50%)
 Thermometer range: 0-120°C



Materials

Extension : Brass

Pump:

- Body: cast iron
- Feed: 230 V-50/60 Hz
- Protection rate: IP44
- Wheel base: 180 mm
- Connections: G 1 1/2" M (ISO 228-1)

Ball valve:

- Body: brass EN 12165 CW617N
- Washer: PTFE, EPDM, Viton

Insulation:

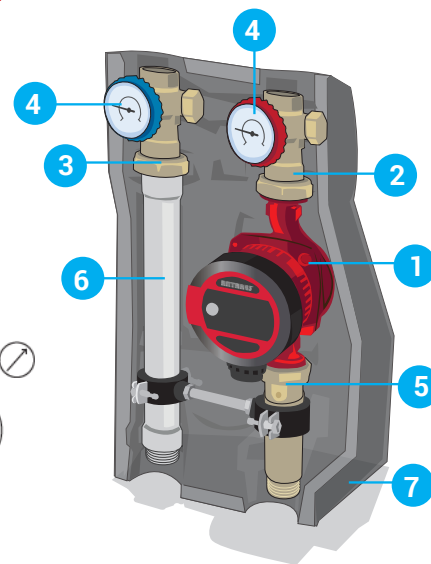
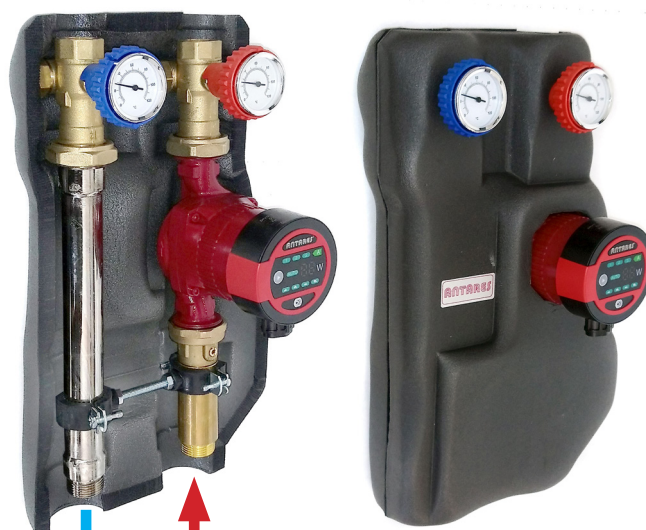
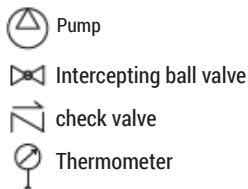
- Thickness: 80 kg/m3
- Thermal conductivity: 0,049 W/(m·K)

Check supplement:

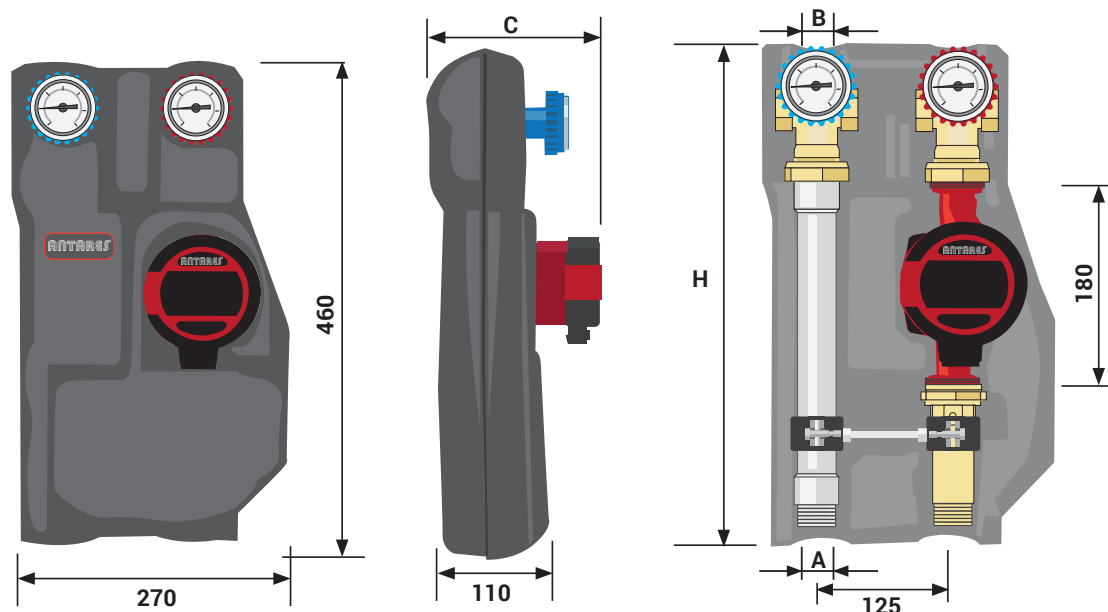
- POM Body and shutter POM
- Washer: NBR

Components

1	Pump Alfamax RS 25/60
2	Intercepting ball valve
3	Intercepting ball valve with check valve
4	Thermometer
5	Ball valve with screw driver adjustment
6	Extension
7	Insulation



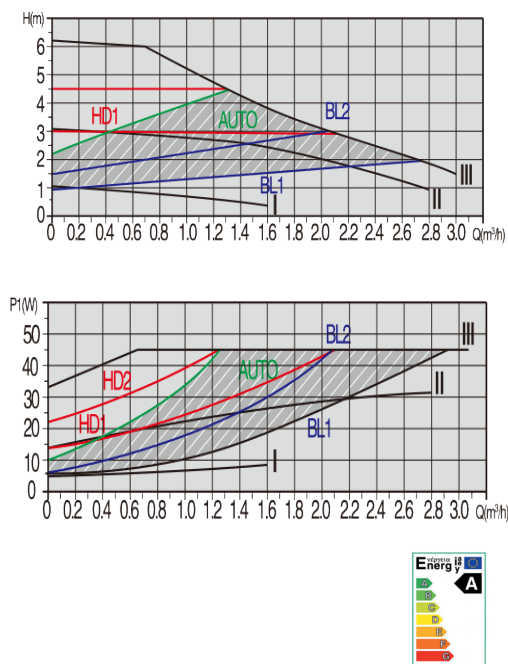
Dimensions



Order code	E.621.10	E.621.12
P (bar)	10	10
A	1" M.	1 1/2" M.
B	1" F.	1" F.
C (mm)	180	180
H (mm)	390	390
PUMP	Alfamax RS 25/60	Alfamax RS 25/60

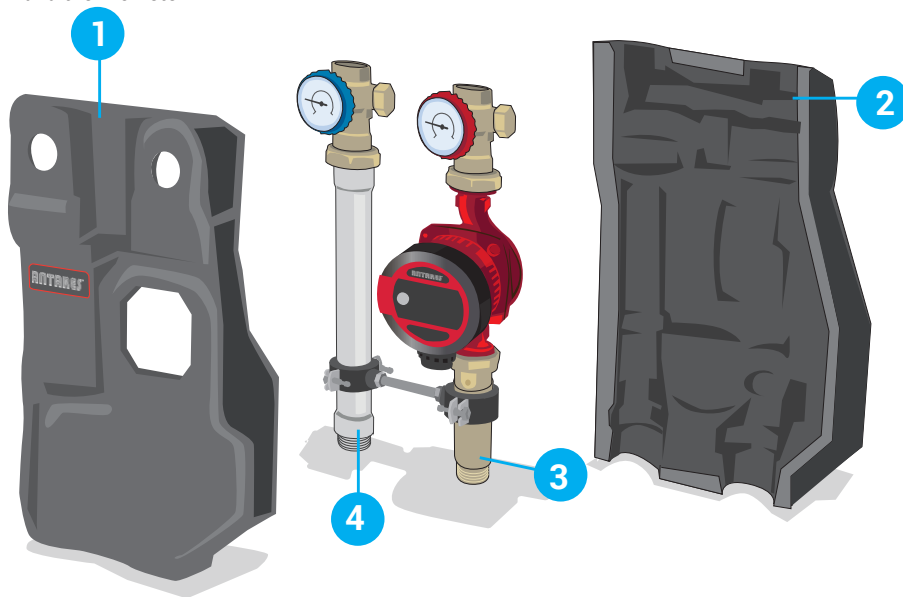
For instructions on use of the circulator please see specific booklet enclosed.

Delivery and power absorbed by pump



The booster group is composed of:

- Front insulation **1**,
- Back insulation **2**,
- Flow forward system **3** provided with intercepting ball valve, thermometer, pump and screw driver adjustment ball valve
- Return flow system **4** provided with intercepting ball valve and check valve and thermometer.



Advantages

- Energy saving: the front insulation **1** and back insulation **2** are useful towards thermal insulation of the assembly allowing energy saving.
- Compact installation: the wheel base from 125 mm with the 180 mm pump make installation very compact.
- Front devices: all devices like the menu of the pump, the thermometer, interception, and mixing assemblies, the thermostatic valve and servomotor are up front, allowing for rapid and functional control, in particular for installing closely spaced groups.
- By-passable check valve: the groups are equipped in series with check valve on return branch on monoblock with blue knob. Rotating 45° the blue knob, you exclude the restraint function, allowing water flow in both directions, speeding filling up the system. The mixing groups have "T" connection on the mixing valve prepared for fitting a further removable restraint.
- Rapid substitution of the pump: the pumps can be rapidly removed without having to remove completely the back part of the insulation shell.
- Flat washers: the various components are connected with each other through flat hold fast couplings. This allows faster installation avoiding the use of hemp or other sealants.
- Accessibility and maneuvering caps: the insulation is made in a way that it leaves room for maneuvering all caps, with appropriate hexagonal key, without having to remove them. This is favourable especially in wall installations where insulation is usually leaning against the wall or when pipes pass round the back.

Installation

The possibilities for installing assemblies are:

- Wall mounted
- Manifold installation

The group can be installed on distribution manifolds with incorporated hydraulic separator, on standard manifolds with hydraulic separator installed separately, on manifolds connected to storage.

