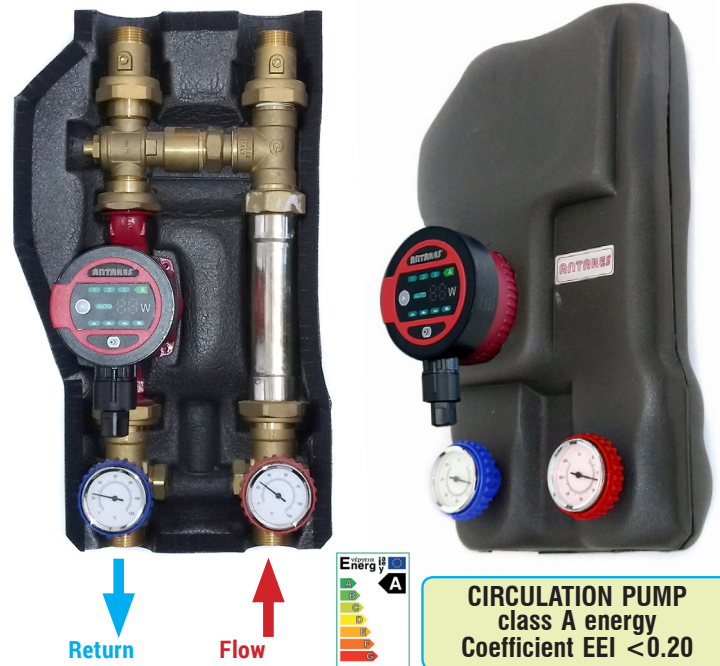


### Description

**Module** anticondensation for heat generators fueled by solid combustion with thermostatic group. Complete of class "A" "AlfaMax" RS 25/60 or RS 32/60 with adjustable 6 mt delivery, intercepting valve with thermometer, check, and wall brackets. Complete of insulation shell. Used for panel heating systems. Used in solid fuel heating systems (wood heat generators, pellet and wood chippings) maintain temperature fluid, returning from generator, above preset value. This function reduces condensation of water vapor contained in the fumes that soil surfaces of thermal exchange and of the smoke shaft. The group keeps high efficiency performance of the generator, obstructing the formation of crusting and unburned powders that cause reduction of thermal exchange between the combustion fumes and water in the system, harming draught and subject to out bursts of fire.

### Product range

Model	DN 32 for power sup to 93 KW. Connection 1 1/4" - Flow KV: 7		DN 25 for power sup to 32 KW. Connections: 1" - Flow KV: 3,2	
Anticondensation temperature calibration	45°C - recommended for wood	60°C recommended for pellet	45°C recommended for wood	60°C recommended for pellet
Art Code	E.627.34	E.627.36	E.627.45	E.627.60



### Characteristics

Working temperature range: 5–90°C  
 Max pressure working temperature: 10 bar  
 Female threaded connections: EN 10226-1  
 Male threaded connections: ISO 228-1

Wheelbase connections: 125mm  
 Pump: Alfamax RS 25/60 o RS 32/60  
 Compatible fluids : water glycolated max 50%)

Anticondensation calibration: 45 °C - 60 °C  
 Thermometer range 0-120°C

### Materials

Extension: brass

T joint: Brass EN 12165 CW617N

Insulation:  
 • Density: 80 kg/m<sup>3</sup>  
 • Thermal conductivity: 0,049 W/(m·K)

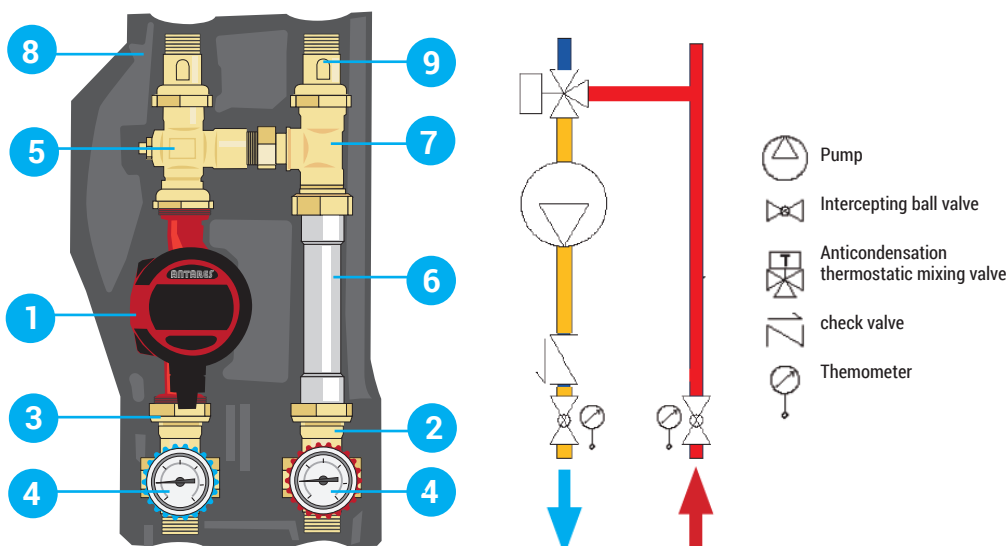
Check insertion:  
 • Body and shutter: POM  
 • Washer: NBR

Pump:  
 • Body cast iron  
 • Feed: 230 V-50/60 Hz  
 • Protection degree: IPx44  
 • Wheelbase : 180 mm  
 • Connections: G 1 1/2" M (ISO 228-1) mod. DN25  
 • Connections: G 2" M (ISO 228-1) mod. DN32

Ball valve:  
 • Body: brass EN 12165 CW617N  
 • washer: PTFE, EPDM, Viton

Anticondensation thermostatic mixing valve:  
 • Body brass UNI EN 12165 CW 617N(V13)  
 • Piston brass UNI EN 12164 CW614N

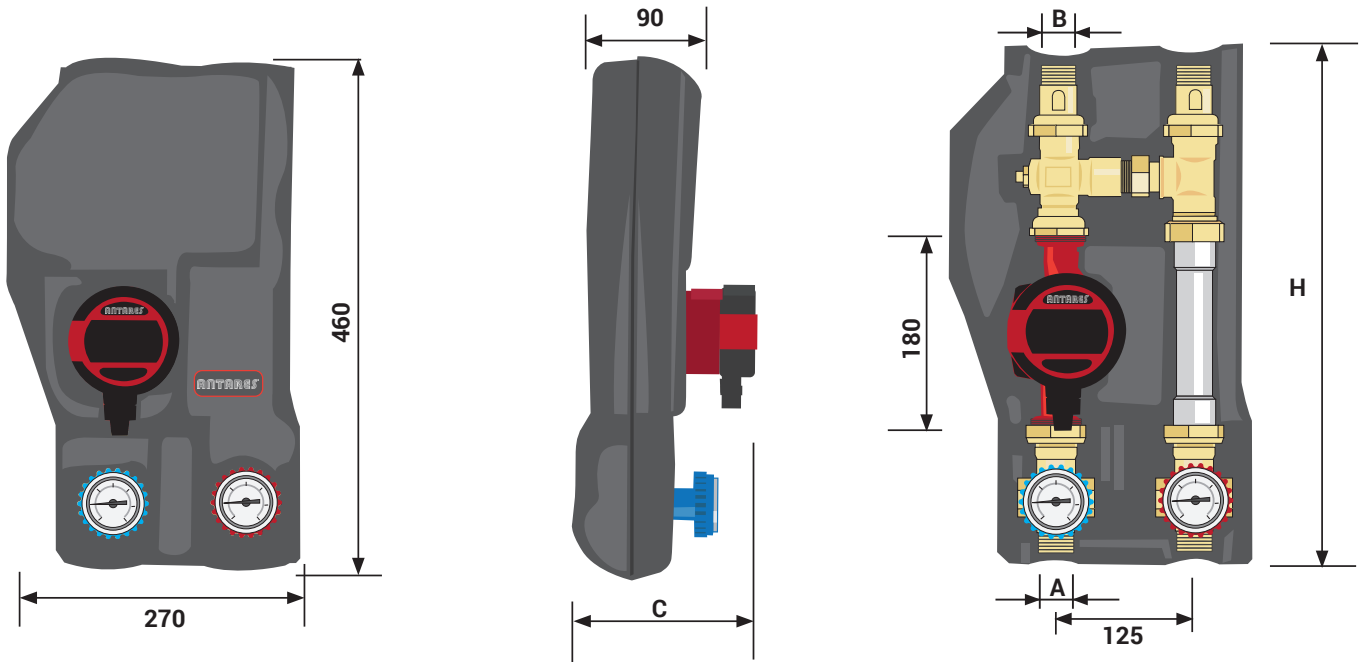
### Components



E.627	
1	Pump: Alfamax RS 25/60 or RS 32/60
2	Intercepting ball valve
3	Intercepting ball valve with check valve
4	Themometer
5	Anticondensation thermostatic mixing valve
6	Extension
7	T joint
8	Insulation
9	Ball valve with screw driver adjustment (only model DN25)

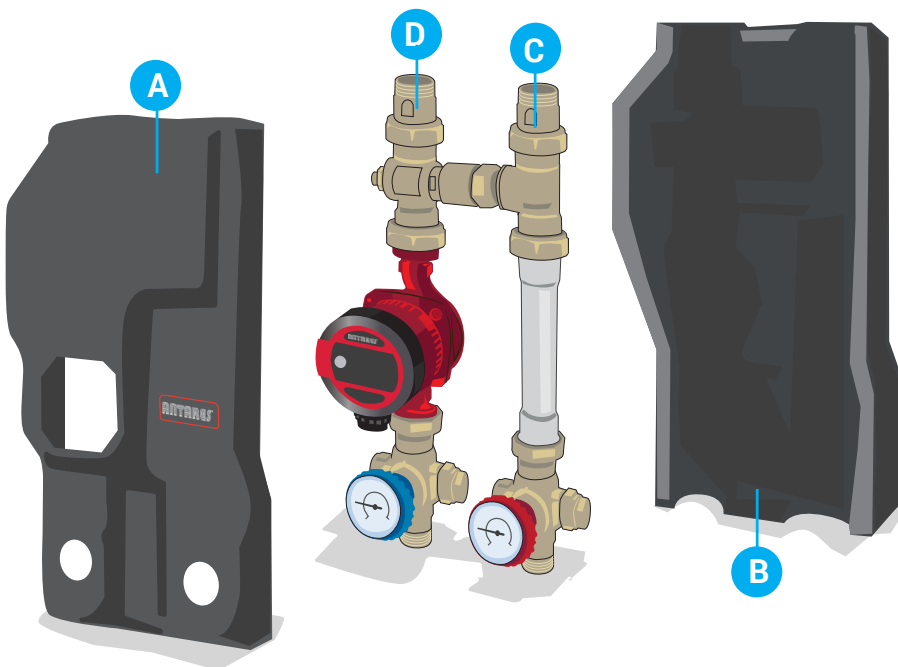
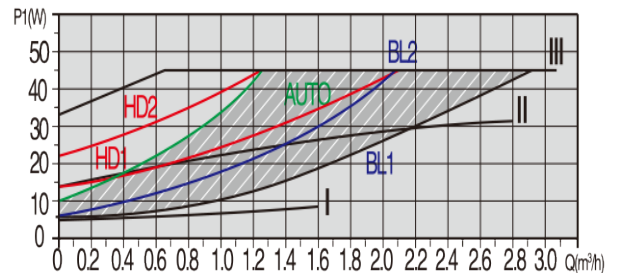
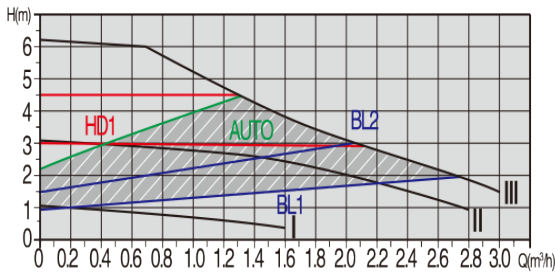
Instructions for use of circulator see specific booklet enclosed.

## Dimensions



ART. CODE	P (bar)	A	B	C (mm)	H (mm)	PUMP
E.627.45 - E.627.60	10	1" F	1" M.	180	410	Alfamax RS 25/60
E.627.34 - E.627.36	10	1" F.	1 1/4" M.	180	410	Alfamax RS 32/60

## Pump delivery and power absorption



The anticondensation group is composed of:

- Insulation front **A**
- Insulation rear **B**
- Flow to system **C** provided with intercepting ball valve with thermometer, T joint and in model DN25 ball valve with screw driver adjustment.
- Return flow **D** provided with intercepting ball valve with check valve and thermometer, circulating pump, anticondensation valve and on model DN25 ball valve with screw driver adjustment.

**Advantages:**

- Energy saving: the front insulation **A** and rear **B** are useful toward the thermal insulation of the group allowing energy saving.
- Compact installation: the wheelbase from 125 mm with the 180 mm pump allow for compact installation.
- Front equipment: all devices like the menu of the pump, the thermometers, interception, and in the mixing groups, the thermostatic valve and servomotor, are up front, allowing rapid function setting and control, and in particular for closely spaced groups.
- By-passable check valve: the groups are equipped with a series of check valves on the return branch on the single block with blue knob. Rotating the blue knob at 45°, one excludes the check function, allowing water flow in both directions, speeding filling up the system.
- The mixing groups have the T connected to the mixing valve prepared for the insertion of another removable check device.
- Rapid pump substitution: the circulators can be substituted quickly without completely removing the rear part of the insulation.
- Flat seals: the various components are connected with each other across flat air tight sealed fittings. This makes installment faster avoiding the use of hemp and other sealants.
- Access and adjustment to covers: insulation is studied to allow necessary space to manouver all covers, with appropriate hexagonal clef, without having to remove. This proves particularly easy especially in wall installments where insulation leans on the wall or when pipework passes behind.

**ANTICONDENSATION VALVE**

The thermostatic mixing valve is employed to control the hot water temperature. The primary function is that of anticondensation in the boiler with solid combustion (wood, pellet, wood-chippings) The valve allows for rapid rise in temperature in the boiler and keeping the same above water vapor condensation temperature present in the fumes. This reduces the formation of scales on the heat exchanger surface and smoke shaft maintaining efficient thermal exchange and reducing fire out bursts due to unburnt particles clinging to the surfaces of same.

Example of use:

