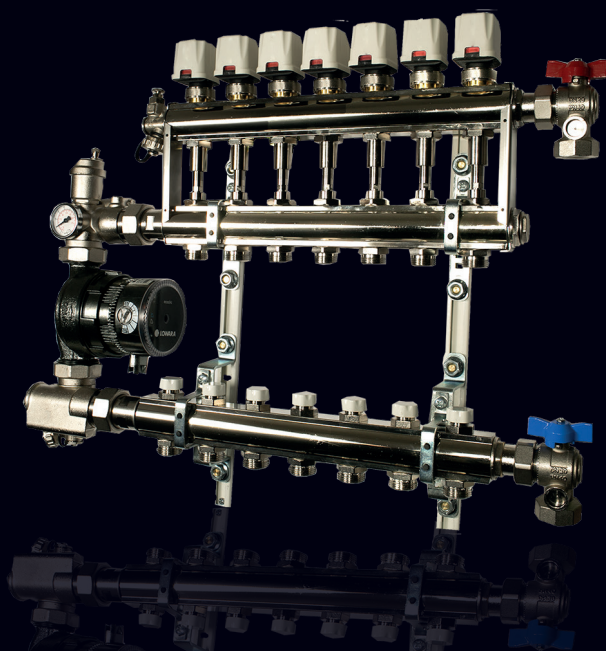


# MIXING UNIT

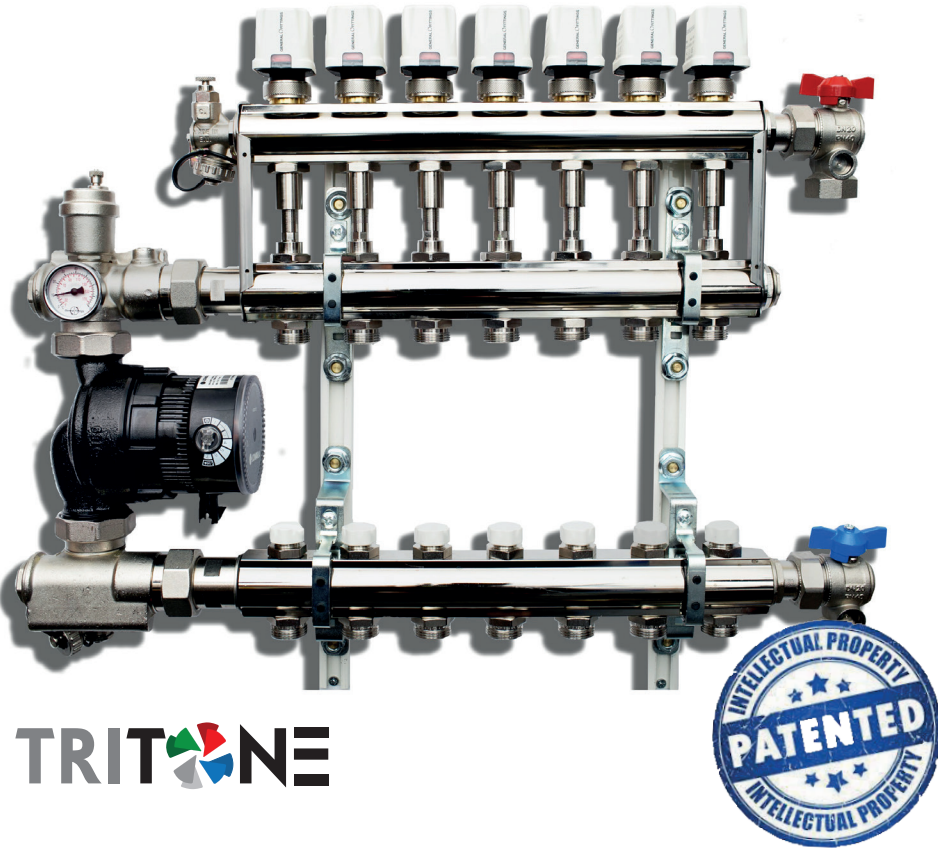


**TRITONE**

ALL-IN-ONE  
MIXING UNIT

 **GENERAL  
FITTINGS**

## Unlimited freedom



**TRITONE**

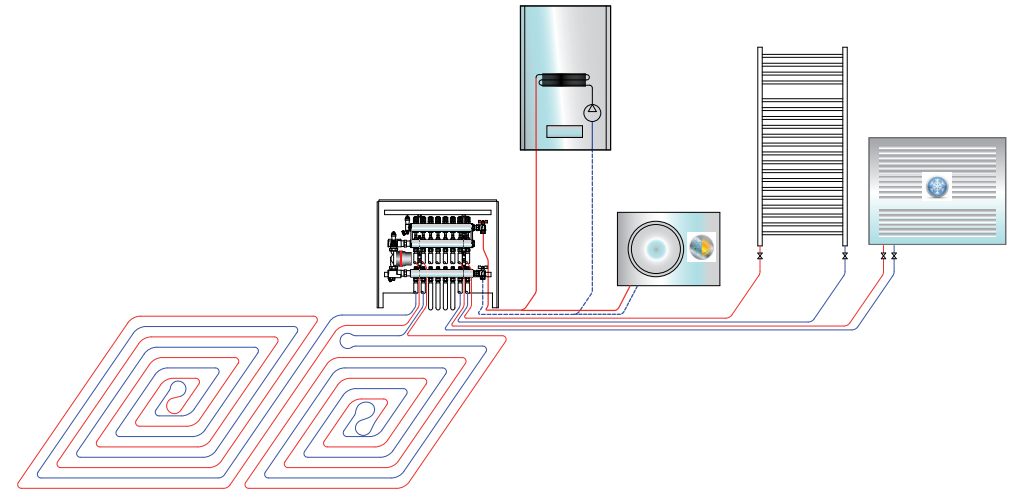
Tritone is the **all in one injection mixing control unit** for the supply of hot water at high and low temperature for heating installations.

Tritone allows to set the right temperature for each single heating loop or circuite, thus granting the suitable environment temperature for each room.

Tritone **offers to technicians and architects freedom in the installation organization**. By this way, the designer does not have to wait for the decision of the floor covering to be used and he is not limited by the existing installation in case of renovation, so that he does not have to change it.

Therefore, you will obtain the **maximum possible comfort** from the radiant installation regardless of the type of floor covering or the type of environment considered.

## Perfect for all kind of installation!



Radiator



Floor



Ceiling



Wall



Convector

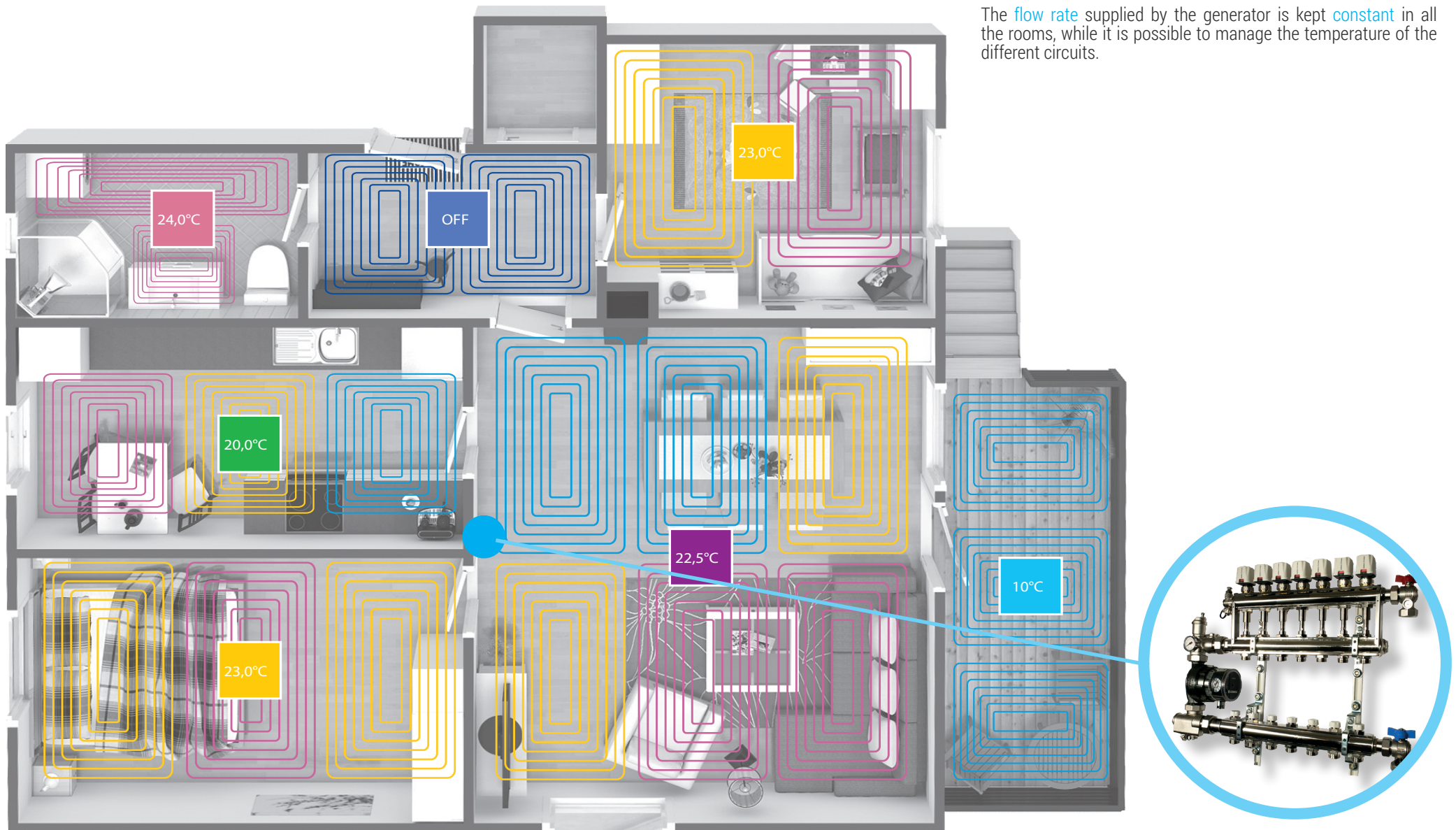


Hydronic system

## Different temperatures in different rooms?

TRITONE overcomes the distinction between advantaged and disadvantaged position rooms!

The **flow rate** supplied by the generator is kept **constant** in all the rooms, while it is possible to manage the temperature of the different circuits.



## Why choose TRITONE

Real advantages for installers, designers and final users!

### ... it is unique

It is possible to control installations with high and low temperature with only one manifold.

### ... it is easy

Thanks to Tritone it is easy to adjust the water temperature. You can do it by hand, turning the injector to mix water and increase or decrease the temperature.

### ... it is flexible

TRITONE is compatible with integrated home automation systems and offers the maximum freedom also in floor covering choice, since the transmittance coefficient is no more a limit.

### ... it is clever!

The electro-thermal heads that complete TRITONE, manage the proper functioning of the system.



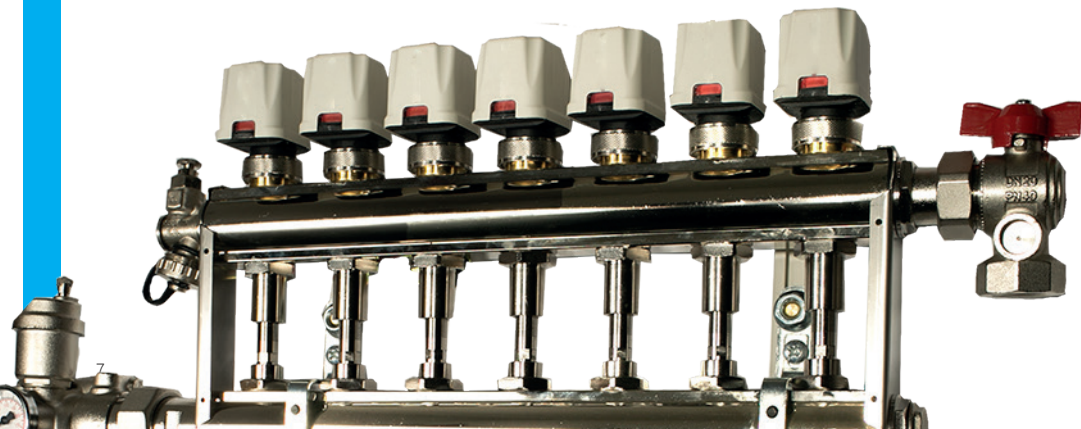
#### For installers and designers

- Unique manifold for heating systems with low and high temperature as well
- Easy temperature setting: manually setting for the circuits, through thermostats for the rooms
- Simplified design : with standardized space between the pipes of the circuits.
- Freedom in floor covering choices (even after the installation of the system)
- Full compatibility with the replacement of a dated or inefficient system, for renovation of the environments



#### For end users

- Better performance of the system
- Greater comfort.
- Improved efficiency with reduced running costs
- Freedom in floor covering choices (even after the installation of the system) and in furniture arrangement.
- Silent



## Temperature adjustment

TRITONE is designed so that **each injector is dedicated to every single distribution line**. Each injector can be set independently from the others.

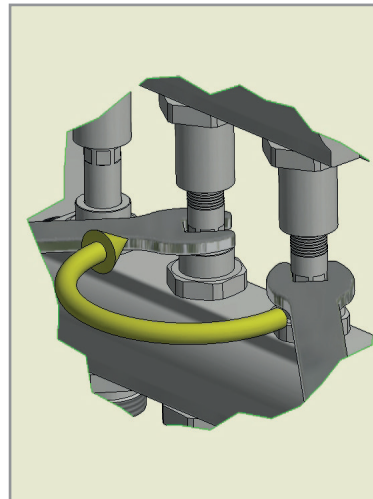
### Temperature setting operation: easy and immediate

Temperature is controlled by turning the injectors with a simple 11 mm spanner:

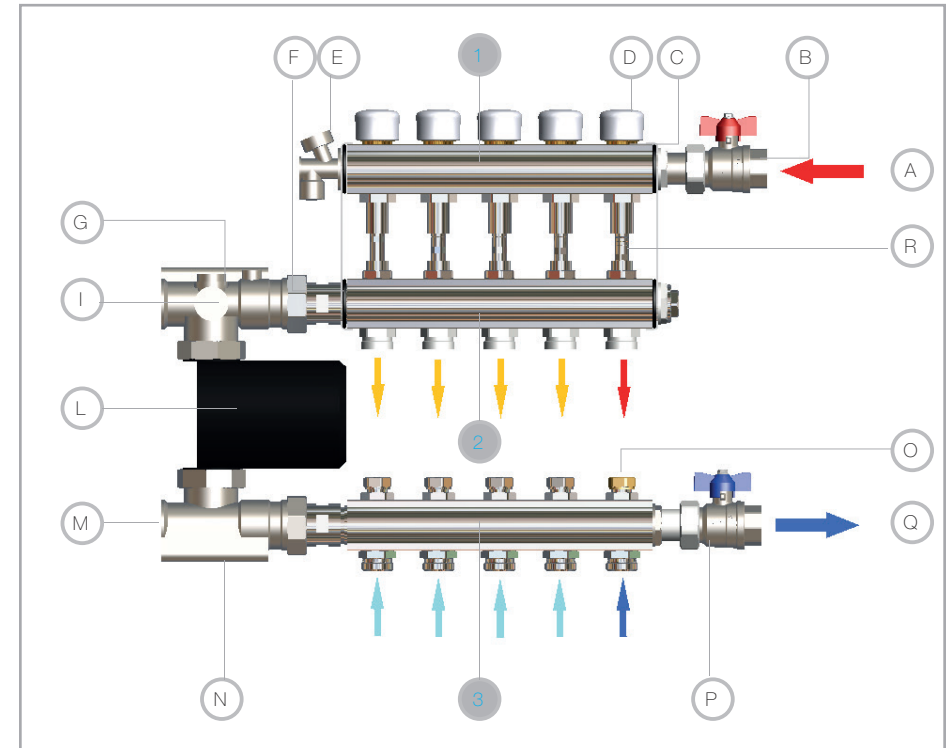
Turn the injector clockwise to raise the temperature of the circuit to the maximum temperature set in the heat generator.

Turn the injector anticlockwise to decrease the temperature by mixing between send and return flows.

Use contact thermometers to check the temperature.



## How it works



## No more balancing

TRITONE **does not require balancing the flow rate of the circuits**, as it is a constant flow rate control unit. **It is however possible to adjust the temperature of each individual circuit.**

Whether TRITONE is supplied with mechanical lockshield memory or with flowmeters on the return of the secondary circuit, their adjustments must never be modified without consulting our technical department.

TRITONE is equipped with lockshields or flow meters on demand at the complete opening position.

A	Hot water from generator	I	Thermometer
B	Entry flow primary circuit shut-off valve	L	Pump
C	Mechanical actuator	M	Pump connection
D	Protective cap	N	Exhaust valve
E	Filler valve/venting valve	O	Lockshield
F	Check valve	P	Return primary circuit shut-off valve
G	Pump connection	Q	Return water to generator
1-2-3	Bar manifolds	R	Injector

## Technical features

Brass		
1" and 1 1/4" brass bar	CW603N	
M30x1.5 connection spindle	CW617N	
Shutoff valves with 3/4" connection	CW617N	
Venting valve	CW617N	
2 to 13 way shunt	3/4" x 18 Eurokonus	
Injectors	CW617N	
Pump		
Variable flow rate pump	energy-saving (ERP)	
Power supply	230Vac/50Hz	
Pump connections	1 1/2" centre distance 130mm	
Protective rating	IP44	
Miscellaneous		
Knob	ABS	
Termometro	0...80°C	

## Optional

Brass		
Eurokonus Adapters	CW617N	
Return flow meter	1 - 4 lt	
1" fitting	CW617N	
1 1/4" fitting	CW617N	
Drawer		
Recessed drawer	Painted iron, RAL 9010	
Support brackets	Painted iron, RAL 9010	
Screws and bolts	Galvanised iron	
Miscellaneous		
Circuit thermometers	4.8 x 1.2 cm	
Electrothermal head	230Vac with 4 wires	
Room thermostat	ON/OFF, wireless chronothermostat-thermostat	
Control unit	8 relay 230Vac module	
Antenna	Active antenna	

## Application fields

Max temperature: 80°C (suggested temperature: max 70°C)

Max pressure: 7 bar

### ... it is silent!

TRITONE is equipped with an **extremely silent latest generation pump**.

This allows the mixing control unit to be installed in any room, even those more sensitive to heat (like bedrooms).

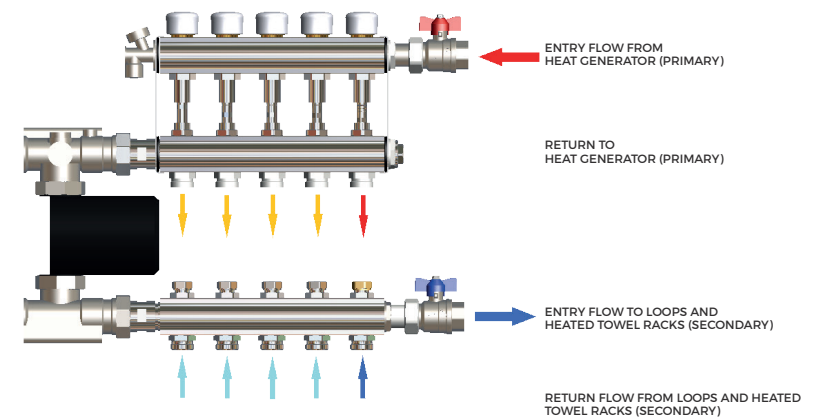


## Generators to connect TRITONE to

TRITONE injection control unit can be supplied by any heat generator which produces low temperature water (30°C-45°C) or high temperature water, to a maximum of 80°C (suggested temperature: max 70°C)

The most common types of hot water generators are:

- Sealed chamber boiler
- Condensing boiler
- Biomass fuel stove
- Central heating pumps
- Geothermal Heat pumps





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