

ART.3967



Thermostatic mixer with 30 ÷ 65°C temperature range  
Three speed pump  
Three shut-off ball valves  
Five non-return valves

ART.3968



Thermostatic mixer with 30 ÷ 65°C temperature range  
Three shut-off ball valves  
Five non-return valves

ART.3969



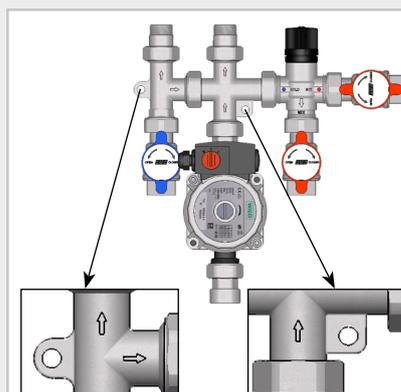
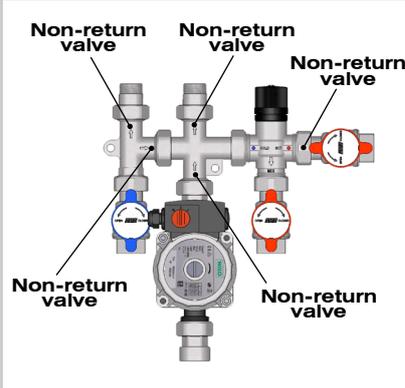
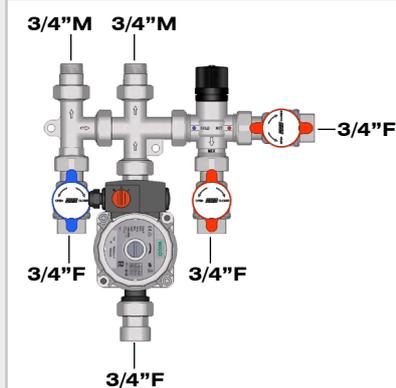
Thermostatic mixer with 30 ÷ 65°C temperature range  
Three shut-off ball valves  
Five non-return valves

## 1 DESCRIPTION

The connection unit for domestic services are installed in the thermal-electric power station and permit the recycling of mixed water, in order to have hot water ready to be used. All three units have a thermostatic mixer to regulate the temperature of sanitary water and three shut-off ball valves in case of maintenance.

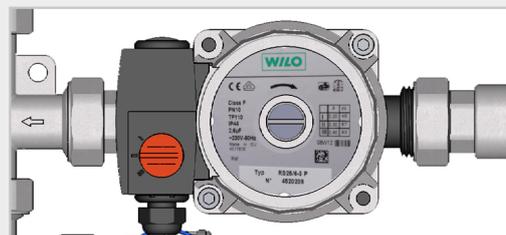
## 2.1 CHARACTERISTICS ART.3967 34

Direction arrows are printed on the units to be correctly installed due to the presence of non-return valves. In case of wall installation with plugs, it is possible to use the plugholes.

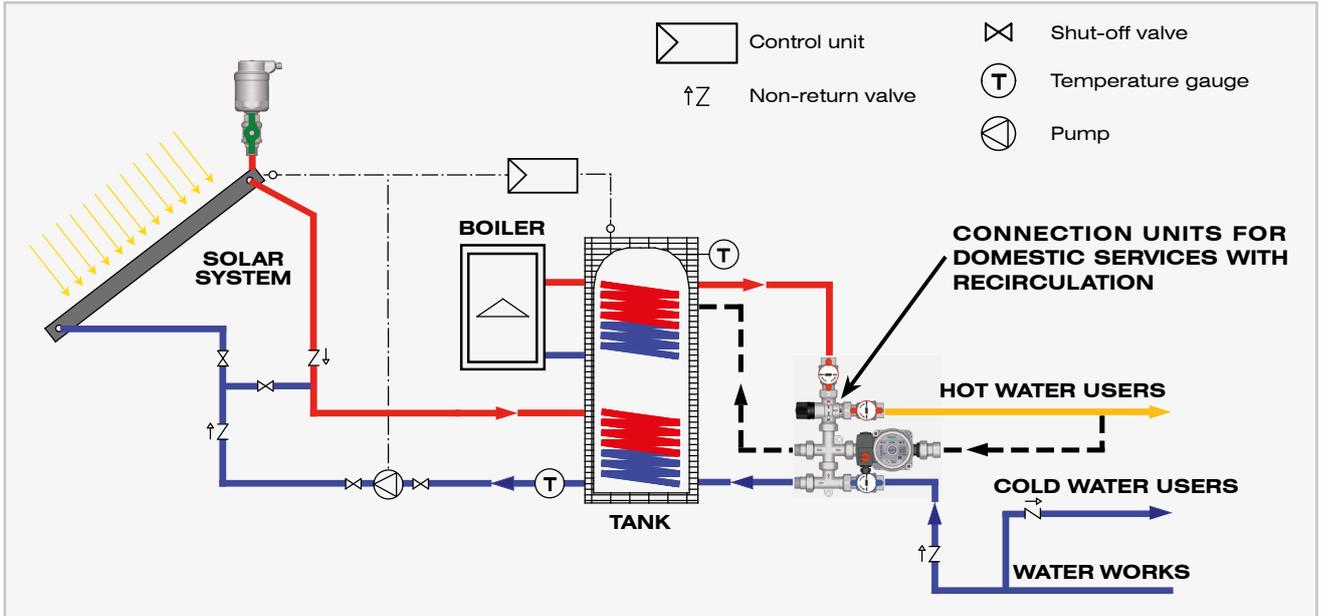


### CIRCULATOR CHARACTERISTICS

Electric voltage: 1~230V ± 10%  
Frequency: 50Hz  
Absorbed power Pmax: 45W (I), 63W (II), 85W (III)  
Protection degree: IP44  
Commutation: 3 rates  
Max. working pressure: 10 bar  
Max. ambient temperature: +40 °C  
Prevalence: 6m

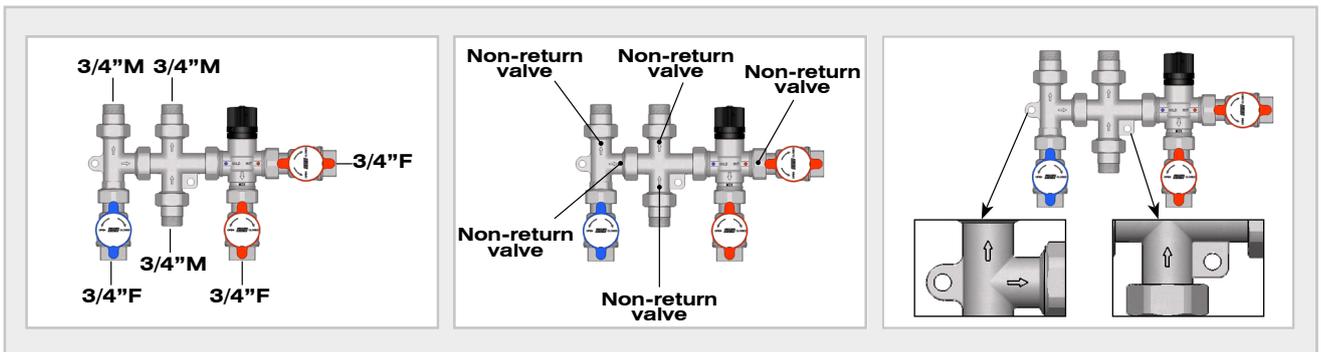


In the example below a thermal-electric power is represented by a traditional boiler with tank and a solar implant. The connection unit art.3968 34 without circulator, mix the hot water from the tank and the cold water from water works according to the setting temperature. The unit re-introduce the not utilized water in the tank by using a circulator ( the circulator can be installed in any position on the recycling pipe ), in order to have hot water ready to be used in case of need.

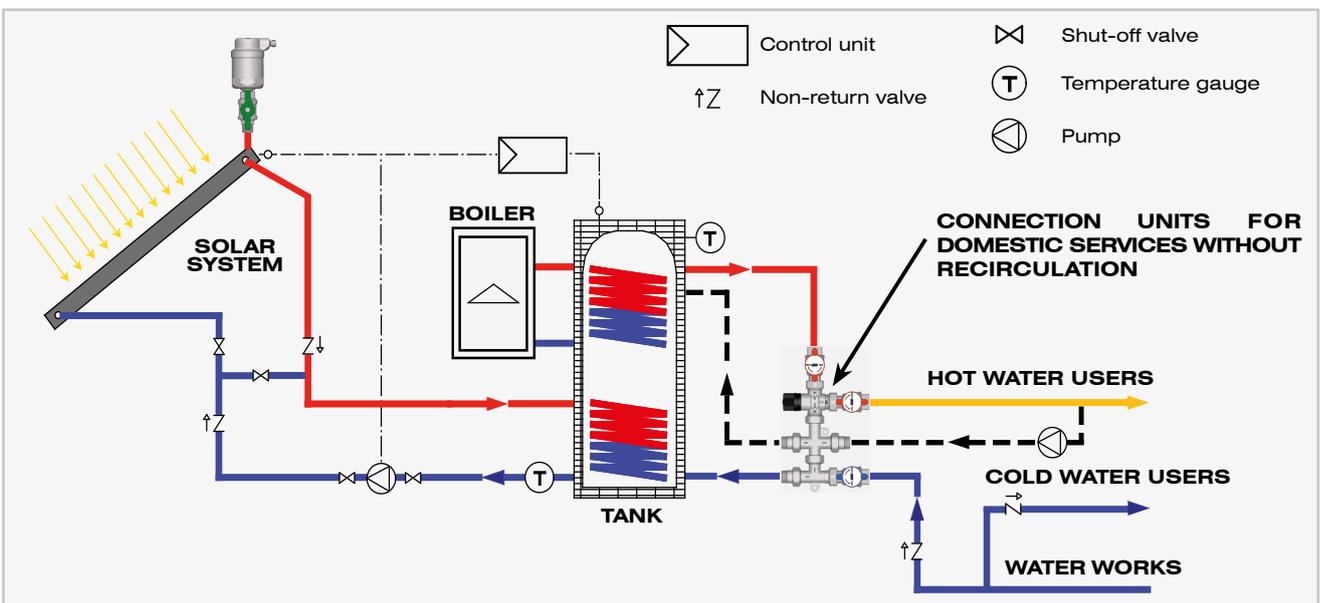


## 2.2 CHARACTERISTICS ART.3968 34

In order to be correctly installed, direction arrows are printed on the units due to the presence of non-return valves. In case of wall installation with plugs, it is possible to use the plugholes.

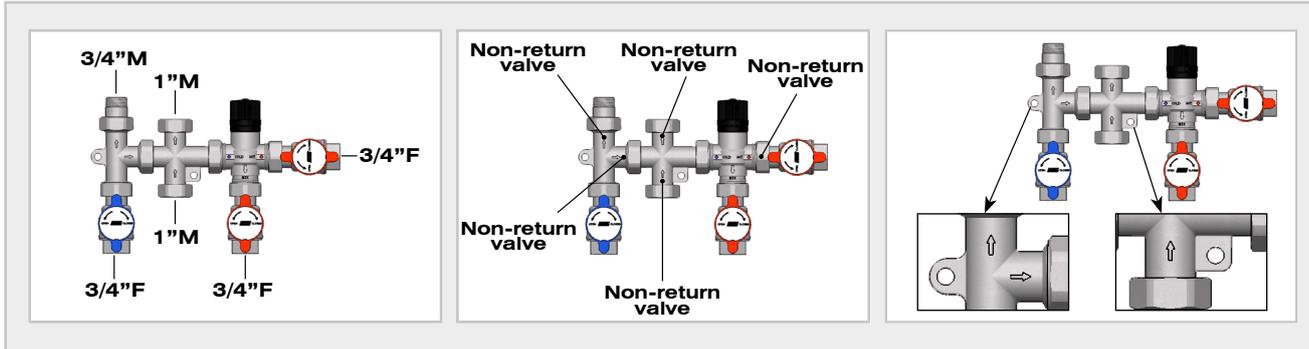


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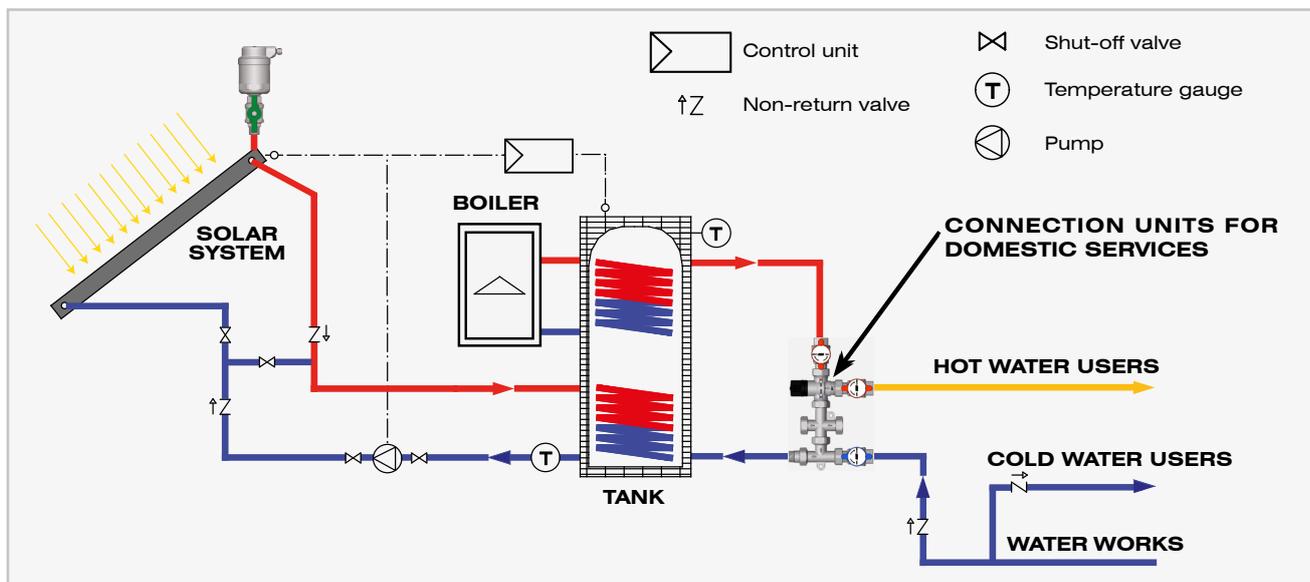


## 2.3 CHARACTERISTICS ART.3969 34

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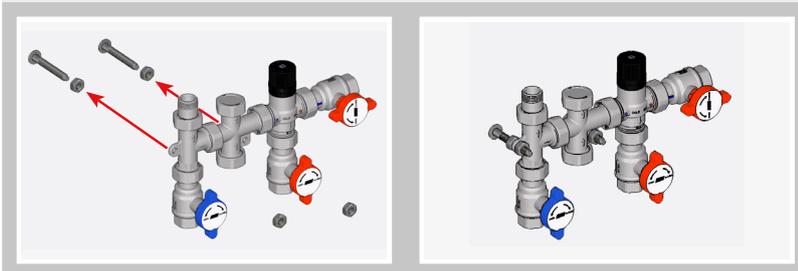


The connection unit art.3969 34 without circulator, mix the hot water from the tank and the cold water from water works according to the setting temperature.

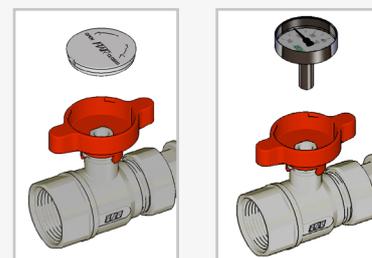


## 3 INSTALLATION

It is possible to install the unit on the wall by using wall plugs, placing them in the plugholes on the body of the unit.



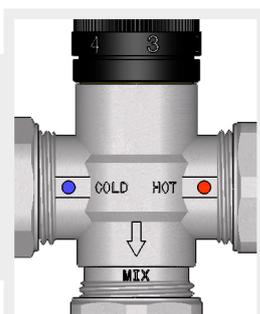
In order to install the Art.2653 onto the valve, simply remove the white cap from the handle and insert the temperature gauge.



## 4 THERMOSTATIC MIXER

In order to simplify the installation of the mixer, directional arrows are printed on the body of this device.

**HOT:** Hot water input  
**COLD:** Cold water input  
**MIX:** Mixed water output



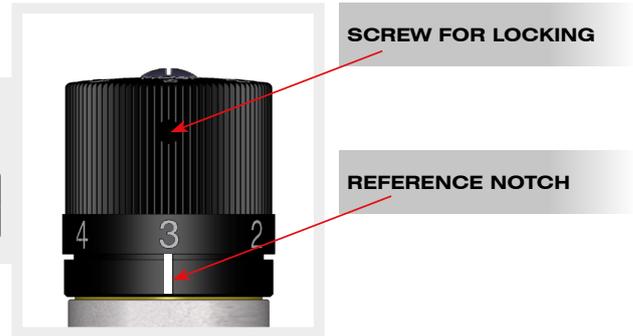
### CHARACTERISTICS

- Nominal pressure: PN= 10bar
- Max. Differential pressure:  $\Delta P_{max}$ = 3bar
- Max. Water temperature:  $T_{max}$ = 95°C
- Calibration range: 30-65°C
- Brass chromate and printed body

The control knob allows to change the temperature of the output water. Once the temperature is set, it is possible to lock the control knob by using the Allen screw on the knob.

Hereinafter numbers and the corresponding temperature of the mixed water are reported.

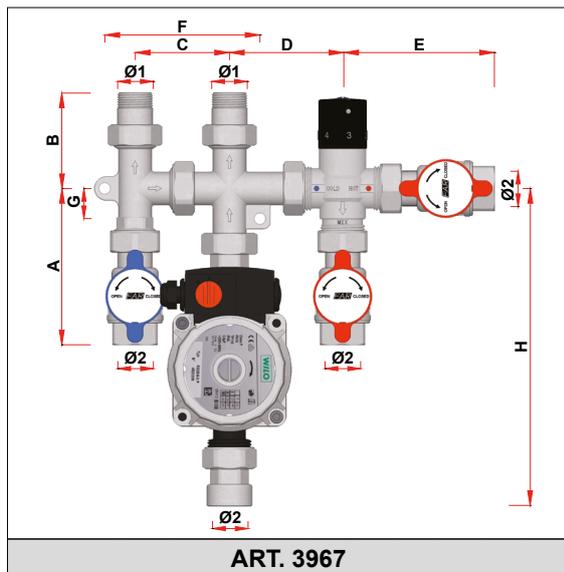
POSITION	MIN	1	2	3	4	5	MAX
TEMPERATURE °C	30	35	40	45	55	60	65



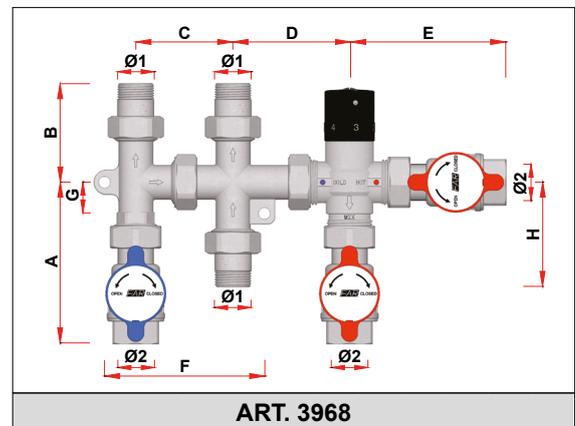
## 5 TECHNICAL FEATURES

Max. Working temperature: 10bar  
 Max. Differential pressure: 3bar  
 Max. Water temperature: 95°C  
 Body Unit: Brass CB753S  
 Mixer Unit: Brass CW617N  
 Usable fluid: water

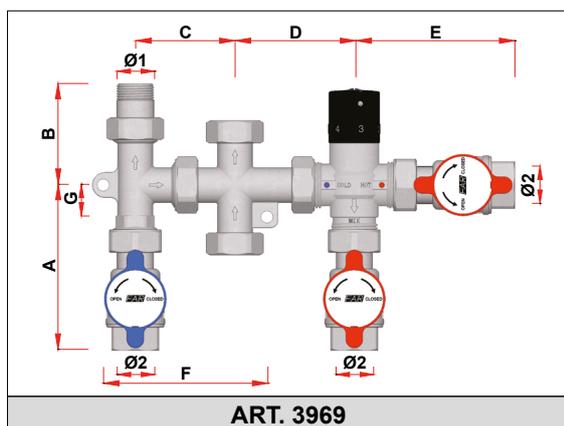
## 6 DIMENSIONAL FEATURES



CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
3967 34	3/4"	3/4"	118	72	71	85	114	116	23	240



CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
3968 34	3/4"	3/4"	118	72	71	85	114	116	23	76



CODE	Ø1	Ø2	A	B	C	D	E	F	G
3969 34	3/4"	3/4"	118	72	71	85	114	116	23