

Components for renewable energy systems

02

Components for heat pumps

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Antifreeze valve.

- Body made of CW617N brass
- Finish: nickel plated
- Max. working pressure: 10 bar
- Operating temperature range: 0–75 °C
- Opening temperature: 3 °C
- Usable media: water
- Side connections: male-male
- Connections sizes: 1"-1 1/4-1 1/2

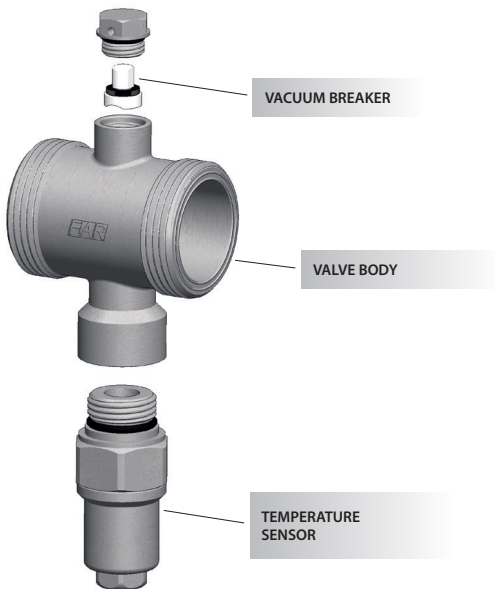


ANGEL ❄️

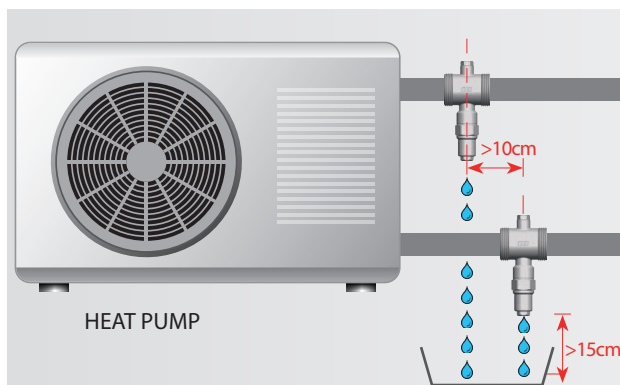
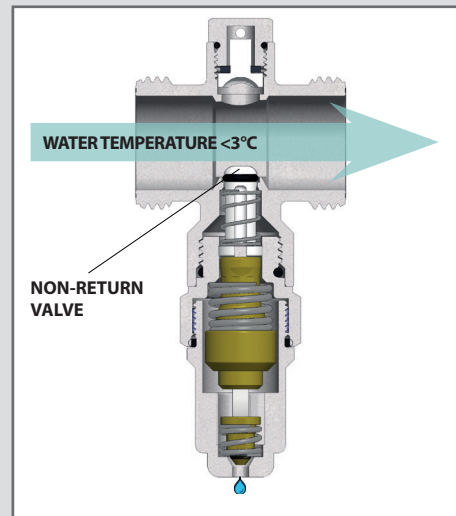


ART. 2900

Code	size	€	box	pack
2900 1	1"		1	-
2900 114	1 1/4"		1	-
2900 112	1 1/2"		1	-



The FAR art.2900 antifreeze valve is installed outdoors in a vertical position on the piping of heating/cooling systems with a heat pump.



For a heat pump with an outdoor unit, the water in the piping can be connected with the indoor unit. During use in the wintertime, where outside temperatures can drop very low, this water can freeze compromising the operation of the system or causing breakages. The valve is activated through an internal sensor at a temperature of approximately 3°C, which opens a small hole allowing water to drip out towards the outside environment.

The valve must be installed in a position that ensures drainage of the water, preventing blocks of ice from forming. A clearance of approximately 15-20 cm from the ground is sufficient. When positioning the antifreeze valve, the position of the delivery pipe with respect to the return pipe must also be considered, trying to offset the position of the two pipes and separating them from each other.

Swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Removable magnetic inserts**
- **Patented**



SMART - Chrome-plated swiveling dirt separator for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Removable magnetic inserts**
- **Patented**



ART. 2213

Code	size	Kv [m ³ /h]	€	box	pack
2213 34	3/4"	10,2		1	15
2213 1	1"	11,2		1	15
2213 114	1"1/4	13,9		1	15
2213 112	1"1/2	24,3		1	-
2213 2	2"	25		1	-

Smart 

ART. 2282

Code	size	Kv [m ³ /h]	€	box	pack
2282 34	3/4"	6,8		1	6
2282 1	1"	7,5		1	6

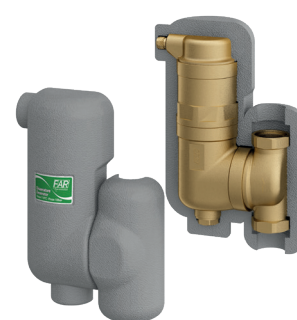
Swiveling deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Patented**



DISMART - Swiveling deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Patented**



ART. 2263

Code	size	Kv [m ³ /h]	€	box	pack
2263 34	3/4"	10,2		1	15
2263 1	1"	12		1	15
2263 114	1"1/4	13,9		1	15
2263 112	1"1/2	24,3		1	-
2263 2	2"	25		1	-

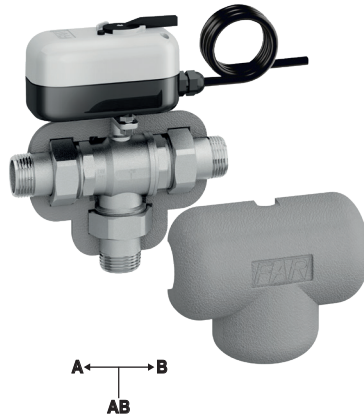


ART. 2264 DiSmart

Code	size	Kv [m ³ /h]	€	box	pack
2264 34	3/4"	6,8		1	15
2264 1	1"	7,5		1	15

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Supplied with PE pre-formed anti-condensation insulation



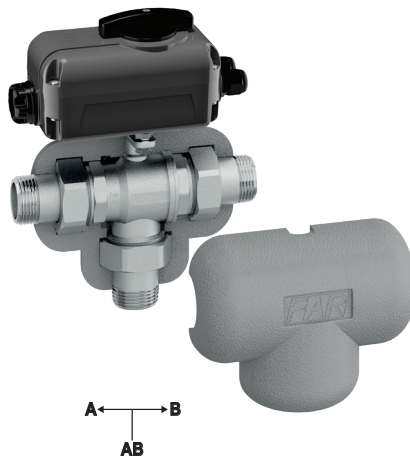
ART. 300720CT



Code	size	Kv [m ³ /h]	opening time	€	box	pack
300720 1208CT	1/2"	4,5	8 s		1	12
300720 3408CT	3/4"	9,9	8 s		1	12
300720 108CT	1"	13,7	8 s		1	-
300720 11408CT	1"1/4	25,5	8 s		1	-

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Supplied with PE pre-formed anti-condensation insulation



ART. 303920CT



Code	size	Kv [m ³ /h]	opening time	€	box	pack
303920 11230CT	1"1/2	40,8	30 s		1	-
303920 230CT	2"	64,8	30 s		1	-

Inertial accumulator for heat pump.

Designed to combine the functions of an inertia tank, hydraulic separator and a distribution manifold into one component.

It makes the most of the space with its compact size.

It is right/left reversible and can be wall mounted.

- Available in 40L and 80L versions
- Complete with insulation
- Complete with wall brackets
- Heat pump side connections 1"1/4M
- System side connections 1" M

Complete with:

- temperature gauge
- automatic air vent valve with non-return valve
- magnetic insert with discharge valve
- expansion vessel connection
- set up for the connection of max. 2 booster units
- set up for support heating elements



ART. 2157



Code	volume	€	box	pack
2157 40	40 l		1	-
2157 80	80 l		1	-

Optional electrical heating kit with temperature control.

- Adjustable thermostat
- Overheating protection
- Connection 1"1/2M
- Art. 2158 01 Power supply 230V - Power 2000W
- Art. 2158 02 Power supply 400V - Power 3000W

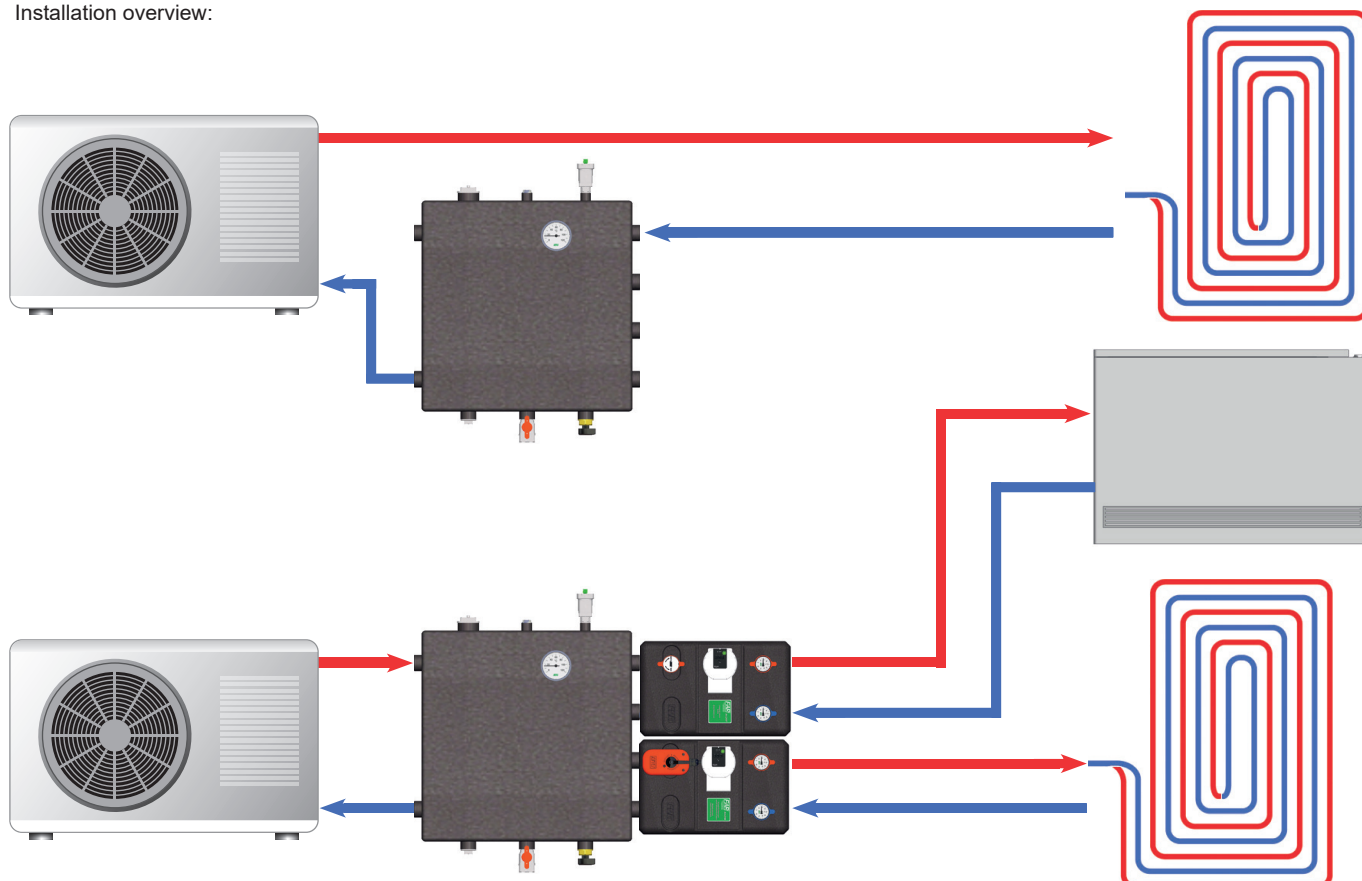


ART. 2158



Code	voltage	power	€	box	pack
2158 01	230 V			1	-
2158 02	400 V			1	-

Installation overview:



Direct booster unit for cooling and heating systems complete with:

- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2187

Code	size	pump	pump centre distance	€	box	pack
2187 1130EA	1"	electronic 1-7 m	130 mm		1	1
2187 1180E6	1"	electronic 1-6 m	180 mm		1	1
2187 1180EA	1"	electronic 1-8 m	180 mm		1	1

Booster unit for cooling and heating systems complete with:

- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2188

Code	size	pump	pump centre distance	€	box	pack
2188 1130EA	1"	electronic 1-7 m	130 mm		1	1
2188 1180E6	1"	electronic 1-6 m	180 mm		1	1
2188 1180EA	1"	electronic 1-8 m	180 mm		1	1

Booster unit for cooling and heating systems complete with:

- Reversible mixing valve with **0-10V actuator**
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation
- Connections centre distance: 125 mm


ART. 2189

Code	size	pump	pump centre distance	€	box	pack
2189 1130EA	1"	electronic 1-7 m	130 mm		1	1
2189 1180E6	1"	electronic 1-6 m	180 mm		1	1
2189 1180EA	1"	electronic 1-8 m	180 mm		1	1

Pre-assembled unit for mixed underfloor heating and cooling systems with fan coil, complete with:

- painted sheet steel wall box
- three-way zone valves with 220 V actuator, opening time 40 seconds
- main connection with 2-piece 1" M fittings

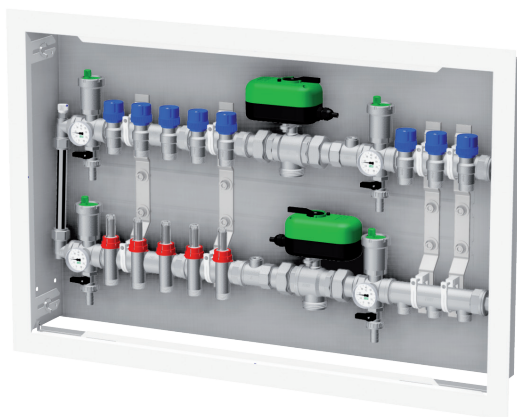
Underfloor heating side

- supply manifold with interchangeable connections for copper, plastic and multilayer pipes with 0-5 l/min flowmeters
- return manifold with interchangeable connections for copper, plastic and multilayer pipes with shut-off valves
- flow and return temperature gauge, by-pass kit
- automatic air vent valves, filling and drain cocks

Fan coil system side

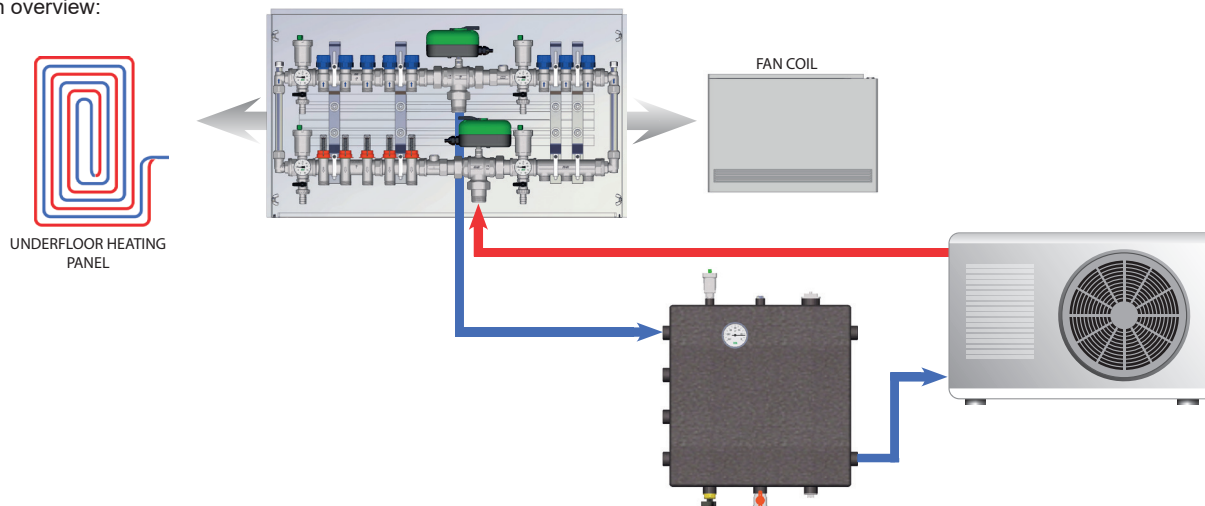
- supply manifold with interchangeable connections for copper, plastic and multilayer pipe
- return manifold with interchangeable connections for copper, plastic and multilayer pipes with shut-off valves
- flow and return temperature gauge, by-pass kit
- automatic air vent valves, filling and drain cocks

ART. 3572



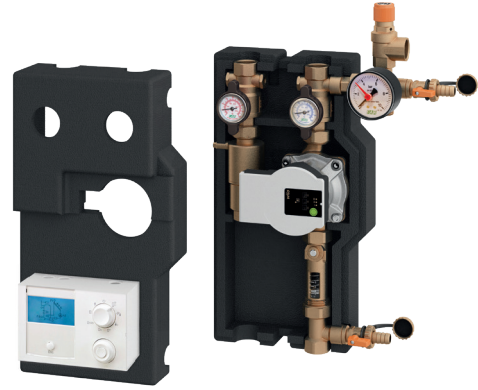
Code	floor outlets	fan coil outlets	box sizes	€	box
3572 10502	5	2	800 x 450 x 110		1
3572 10602	6	2	800 x 450 x 110		1
3572 10702	7	2	1000 x 450 x 110		1
3572 10802	8	2	1000 x 450 x 110		1
3572 10902	9	2	1000 x 450 x 110		1
3572 11002	10	2	1000 x 450 x 110		1
3572 11102	11	2	1200 x 450 x 110		1
3572 10503	5	3	800 x 450 x 110		1
3572 10603	6	3	1000 x 450 x 110		1
3572 10703	7	3	1000 x 450 x 110		1
3572 10803	8	3	1000 x 450 x 110		1
3572 10903	9	3	1000 x 450 x 110		1
3572 11003	10	3	1200 x 450 x 110		1
3572 11103	11	3	1200 x 450 x 110		1
3572 10704	7	4	1000 x 450 x 110		1
3572 10804	8	4	1000 x 450 x 110		1
3572 10904	9	4	1200 x 450 x 110		1
3572 11004	10	4	1200 x 450 x 110		1
3572 11104	11	4	1200 x 450 x 110		1
3572 10805	8	5	1200 x 450 x 110		1
3572 10905	9	5	1200 x 450 x 110		1
3572 11005	10	5	1200 x 450 x 110		1
3572 11105	11	5	1200 x 450 x 110		1

Installation overview:



Supply and return booster unit for solar systems complete with:

- high efficiency pump with PWM modulation
- shut-off valves
- temperature gauge with 0÷160°C scale
- PPE insulation
- adjustable flow meter
- taps for system loading/washing
- 0÷10 bar pressure gauge
- 6 bar safety valve
- deaerator on the supply circuit
- electronic regulator for modulating pump
- Connections centre distance: 100 mm
- Connections: 3/4" female



ART. 218M



Code	size	flow meter scale	pump	pump centre distance	€	box	pack
218M 34416	3/4"	4-16 l/min	electronic 1-7 m	130 mm		1	1
218M 34828	3/4"	8-28 l/min	electronic 1-7 m	130 mm		1	1

Return booster unit for solar systems complete with:

- high efficiency pump with PWM modulation
- shut-off valves
- temperature gauge with 0÷160°C scale
- PPE insulation
- adjustable flow meter
- taps for system loading/washing
- 0÷10 bar pressure gauge
- 6 bar safety valve
- electronic regulator for modulating pump
- Connections: 3/4" female



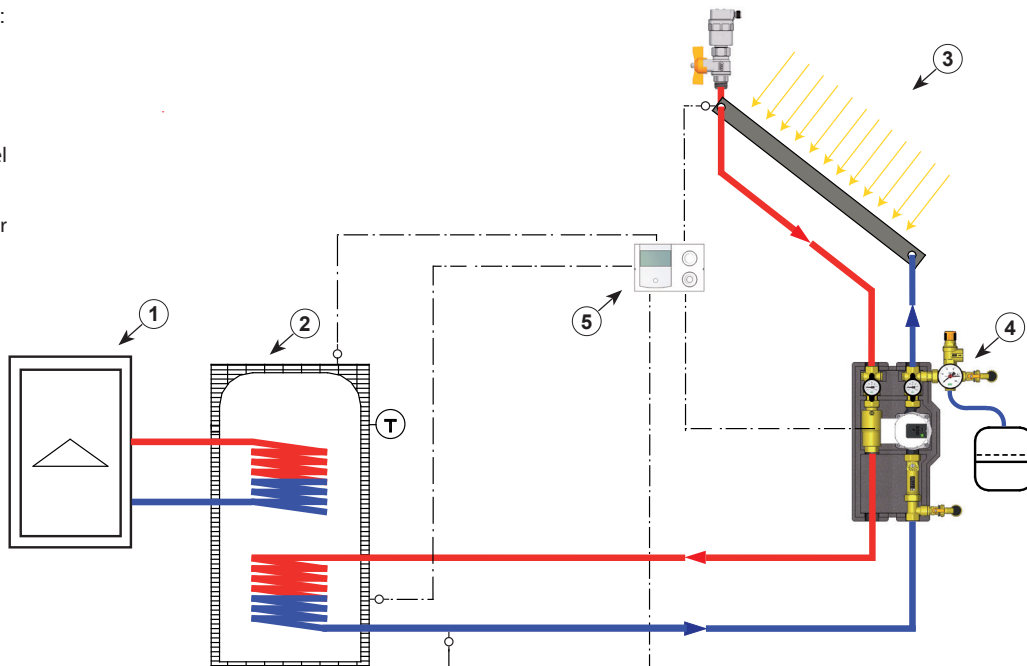
ART. 218R



Code	size	flow meter scale	pump	pump centre distance	€	box	pack
218R 34416	3/4"	4-16 l/min	electronic 1-7 m	130 mm		1	1
218R 34828	3/4"	8-28 l/min	electronic 1-7 m	130 mm		1	1

Installation overview:

- 1 - Boiler
- 2 - Solar panel tank
- 3 - Thermal solar panel
- 4 - Solar booster unit
- 5 - Electronic regulator



THERMOSTATIC MIXER

The main purpose of SOLARFAR mixers is to constantly maintain the temperature of the mixed water distributed to system outlets at the set value, even when temperature and pressure of incoming fluids change.

The mixer is equipped with a temperature sensitive sensor, which detects the temperature of the mixed fluid. The sensor is directly immersed into the mixed water, thus ensuring a high degree of accuracy and a quick response. The sensor detects changes in water temperature and adjusts opening and closing of cold and hot water inlets to achieve the right balance and thus the set temperature. In the event of insufficient cold water, the inner cartridge can completely close off the hot water inlet so as to avoid any possibility of scalding.



N.B. in order to increase mixer accuracy, pressure differentials between hot and cold water inlets must be balanced.

HANDLE POSITION	MIN	1	2	3	4	5	MAX
TEMPERATURE °C	30	35	45	50	55	60	65

Valve calibration, i.e. mixed water temperature setting, is carried out manually by turning the graduated handle.

SAFETY VALVE

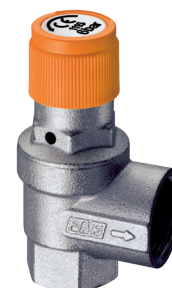
In order to protect solar panels, a safety valve and an expansion tank should be installed in the circuit. The valve can also be used for protection of any solar tank.

The safety valve limits hot water pressure in such a way as not to exceed the calibrated set limit.

Once this value is reached the valve will discharge a sufficient quantity of water to ensure that pressure is within the limits for correct operation of the system.

In order to achieve proper valve calibration, it is important that calibration pressure plus permitted overpressure does not exceed max. working pressure.

All safety valves are calibrated in our laboratories and it is not possible to change the value without tampering with them.



In the event of a pipeline section being installed on the outlet, the diameter of the discharge pipeline must not be less than that of the outlet fitting and must not prevent the proper operation of the valves. The outlet must be located near the safety valve and be both easily visible and accessible.

To avoid any possibility of impurities being deposited on the shutter, the safety valve must not be installed with the handle downward.

AIR VENT VALVE

The air vent valve has to be installed on closed solar heating systems to automatically vent any air in the circuit, thus ensuring a better heat transfer. Air discharge from the system avoids noise problems arising from imperfect fluid circulation. The valve must be installed at the highest point of the system and in a vertical position in order to guarantee perfect operation.

Normally the cap has to be slightly loose to allow air to escape from the valve through a notch on the male thread. The closing cap is only required in special circumstances, i.e. when the valve does not work properly, in which case it should be closed in order to avoid dripping. Once the air has been removed during system filling, it is necessary to close the shut-off valve located under the air vent valve.

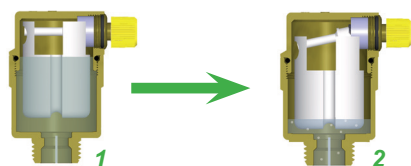


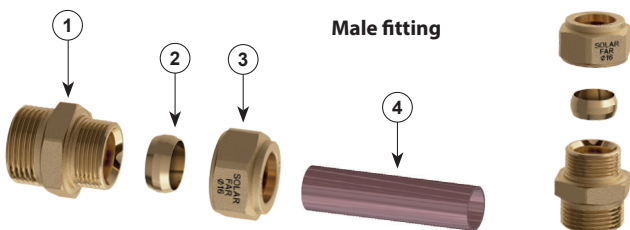
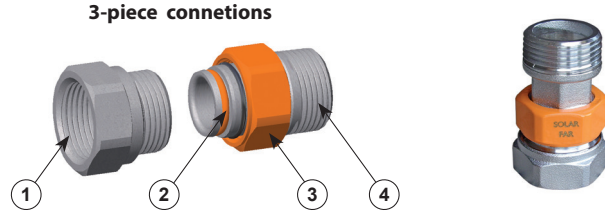
Fig.1 If there is no air in the circuit, water inside the air vent valve keeps the float in such a position as to close the shutter.

Fig.2 The air in the circuit reduces the water level in the air vent valve, thus lowering the float and opening the air discharge.

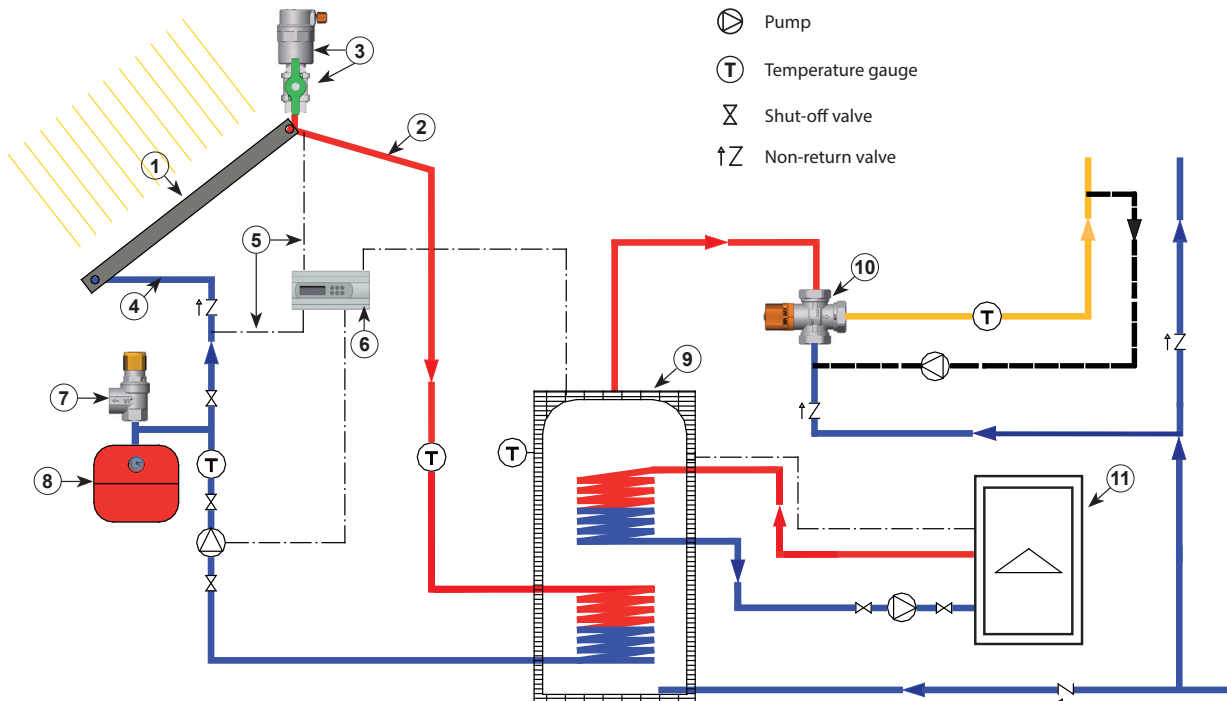


INTERMEDIATE CONNECTIONS

SOLARFAR fittings permit connection of copper and steel pipes in solar systems and have a max. working temperature of 160°C.

Male fitting		3-piece connctions	
			
1. CONICAL SEAT	3. NUT	1. FEMALE THREAD BODY	4. MALE THREAD BODY
2. REDUCER	4. STEEL OR COPPER PIPE	2. SEALING O-RING	
		3. NUT	

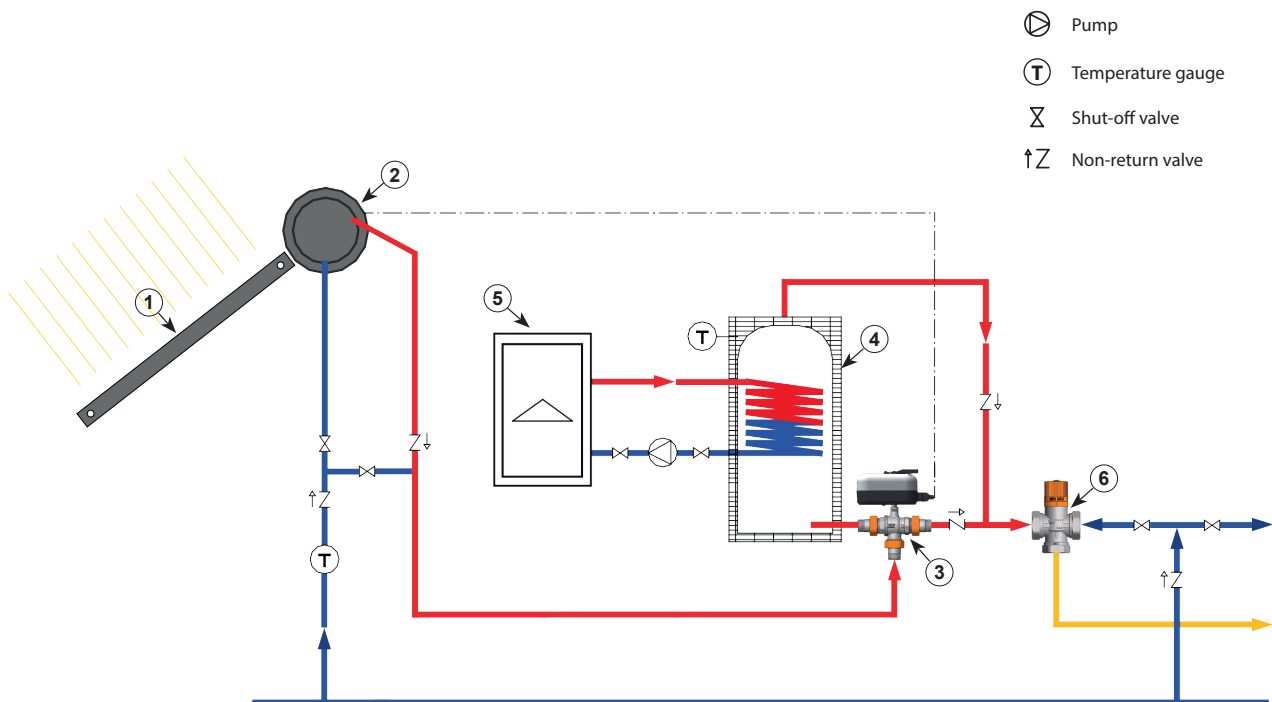
SOLAR SYSTEM WITH FORCED CIRCULATION - INSTALLATION OVERVIEW



- ⊗ Pump
- Ⓣ Temperature gauge
- ⊗ Shut-off valve
- ↑Z Non-return valve

- | | | |
|---|---------------------------|----------------------------------|
| 1 - Thermal solar panel | 5 - Temperature probe | 9 - Tank |
| 2 - Supply pipeline | 6 - Control unit | 10 - SOLARFAR THERMOSTATIC MIXER |
| 3 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE | 7 - SOLARFAR SAFETY VALVE | 11 - Boiler |
| 4 - Return pipeline | 8 - Expansion tank | |

SOLAR SYSTEM WITH NORMAL CIRCULATION - INSTALLATION OVERVIEW



- ⊗ Pump
- Ⓣ Temperature gauge
- ⊗ Shut-off valve
- ↑Z Non-return valve

- | | |
|-----------------------------|---------------------------------|
| 1 - Thermal solar panel | 4 - Tank |
| 2 - Panel tank | 5 - Boiler |
| 3 - SOLARFAR DIVERTER VALVE | 6 - SOLARFAR THERMOSTATIC MIXER |

Chrome-plated thermostatic mixer for solar systems.

- Setting range: 30÷65°C
- Connections: female
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3953

Code	size	€	box	pack
3953 12	1/2"		1	60
3953 34	3/4"		1	60
3953 1	1"		1	60

Chrome-plated thermostatic mixer for solar systems.

- Flat-faced connection for unions
- Setting range: 30÷65°C
- Connections: male
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3954

Code	size	€	box	pack
3954 34	3/4"		1	60
3954 1	1"		1	60

Chrome-plated thermostatic mixer for solar systems.

- Flat faced connection complete with unions and EPDM GASKET
- Setting range: 30÷65°C
- Connections: male
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3955

Code	size	€	box	pack
3955 12	1/2"		1	50
3955 34	3/4"		1	20
3955 1	1"		1	20
3955 114	1"1/4		1	18
3955 112	1"1/2		1	10

3-piece connection for solar systems.

- Connections: male-female
- Max. working temperature: 160°C



ART. 5152

Code	size	€	box	pack
5152 34	3/4"		20	200
5152 1	1"		10	100

Chrome-plated thermostatic mixer for solar systems.

- Flat faced connection complete with unions and EPDM GASKET
- Setting range: 30÷65°C
- **Non-return valves on side connections**
- Male connections: complete with unions and gaskets
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3955VR

Code	size	€	box	pack
3955 12VR	1/2"		1	50
3955 34VR	3/4"		1	20
3955 1VR	1"		1	20

Chrome-plated thermostatic diverter for solar systems.

- Flat-faced connection for unions
- Connections: male
- Setting range: 45°C
- Maximum pressure: 10 bar
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3959

Code	size	€	box
3959 1	1"		1

Chrome-plated 2-way zone control ball valve for solar systems equipped with unions, nuts and 230 V - 24 V actuator with manual release.

- Max. working temperature: 130°C
- Nominal pressure: 16 bar
- Connections: Male
- Full bore flow

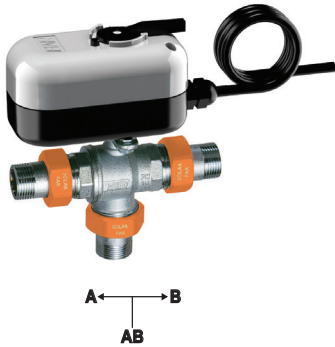


ART. 300724 - 300824

Code	size	openig time	voltage	€	box	pack
300724 3408	3/4"	8 s	230 V		1	12
300724 108	1"	8 s	230 V		1	12
300724 11408	1"1/4	8 s	230 V		1	12
300824 3408	3/4"	8 s	24 V		1	12
300824 108	1"	8 s	24 V		1	12
300824 11408	1"1/4	8 s	24 V		1	12

Chrome-plated 3-way diverter zone control ball valve for solar systems equipped with unions, nuts and 230 V - 24 V actuator with manual release.

- Max. working temperature: 130°C
- Nominal pressure: 16 bar
- Connections: Male
- Full bore flow



ART. 300729 - 300829

Code	size	openig time	voltage	€	box	pack
300729 3408	3/4"	8 s	230 V		1	12
300729 108	1"	8 s	230 V		1	12
300729 11408	1"1/4	8 s	230 V		1	12
300829 3408	3/4"	8 s	24 V		1	12
300829 108	1"	8 s	24 V		1	12
300829 11408	1"1/4	8 s	24 V		1	12

- Thermostat with remote sensor and protected regulation.
- Temperature range: 10÷90°C
- Protection level: IP40
- Max. sensor temperature: 150°C
- Sheath: 1/2" (l=100mm)
- Length of capillary: 1m



ART. 7953

Code	€	box	pack
7953		1	-

Anti-condensation insulation for SMALL actuators (ART. 3007-3008) for cooling systems.

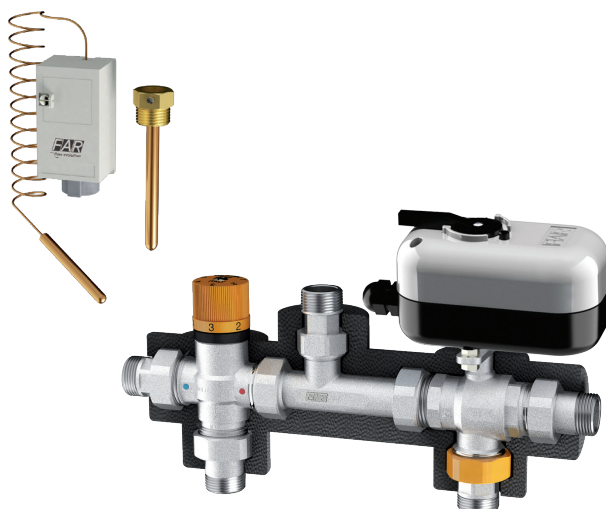


ART. 3009

Code	height/mm	€	box
3009 40	40		1

Solar unit for systems with thermal integration.

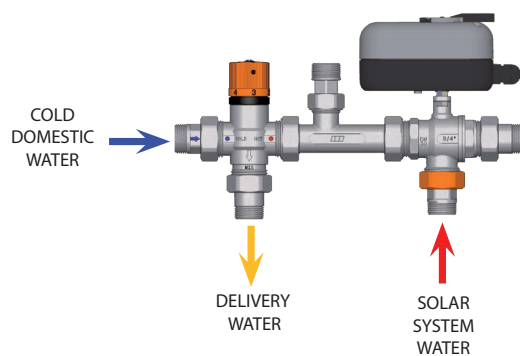
- Solar mixer with 30÷65°C temperature range
- 3/4" diverter valve with 230V 8s actuator with manual release
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on the inlets
- EPDM sealing gaskets
- Insulation
- Remote thermostat with immersion sensor
- Connections with 3/4" unions



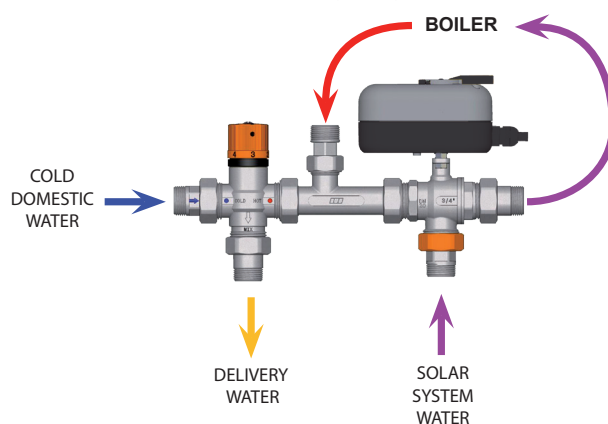
ART. 3090

Code	size	€	box	pack
3090 34	3/4"		1	-

Water temperature produced by solar system > 45°C

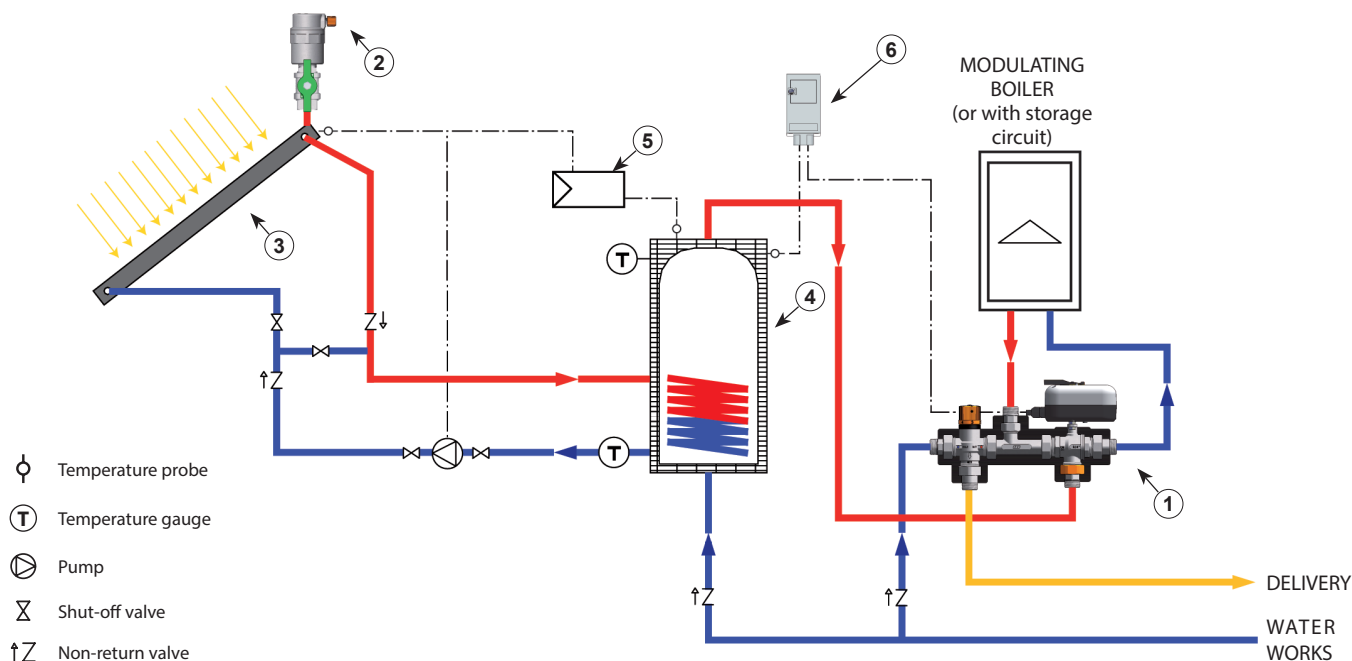


Water temperature produced by solar system < 45°C



Installation overview of art. 3090 34.

With thermal integration - Solar system with forced circulation and modulating boiler

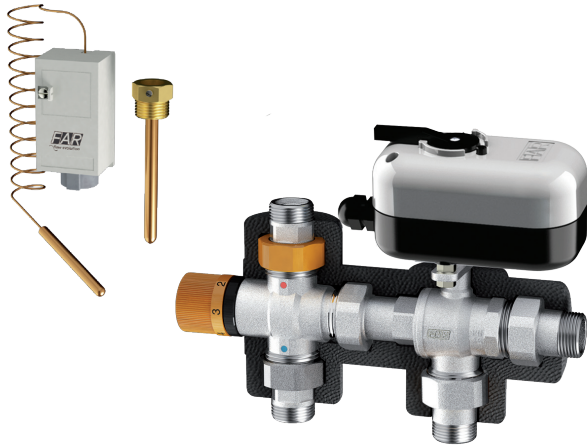


- 1 - SOLAR UNIT WITH THERMAL INTEGRATION
- 2 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE
- 3 - Thermal solar panel

- 4 - Tank
- 5 - Electronic control
- 6 - THERMOSTAT

Solar unit for systems without thermal integration.

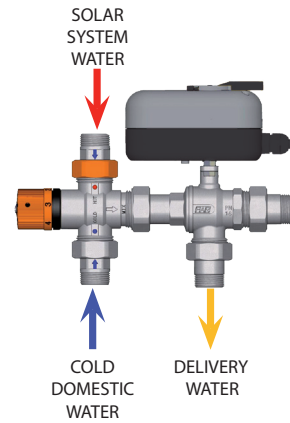
- Solar mixer with 30÷65°C temperature range
- 3/4" diverter valve with 230V 8s actuator and manual release
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on thermostatic mixer inlets
- EPDM sealing gaskets
- Insulation
- Remote thermostat with immersion sensor
- Connections with 3/4" unions



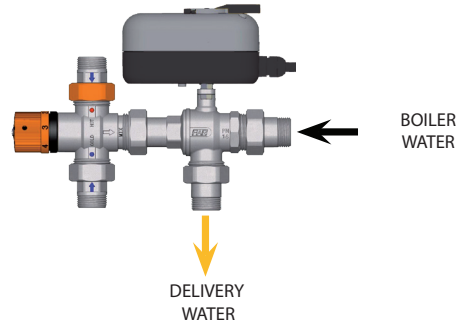
ART. 3091

Code	size	€	box	pack
3091 34	3/4"		1	-

Water temperature produced by solar system > 45°C

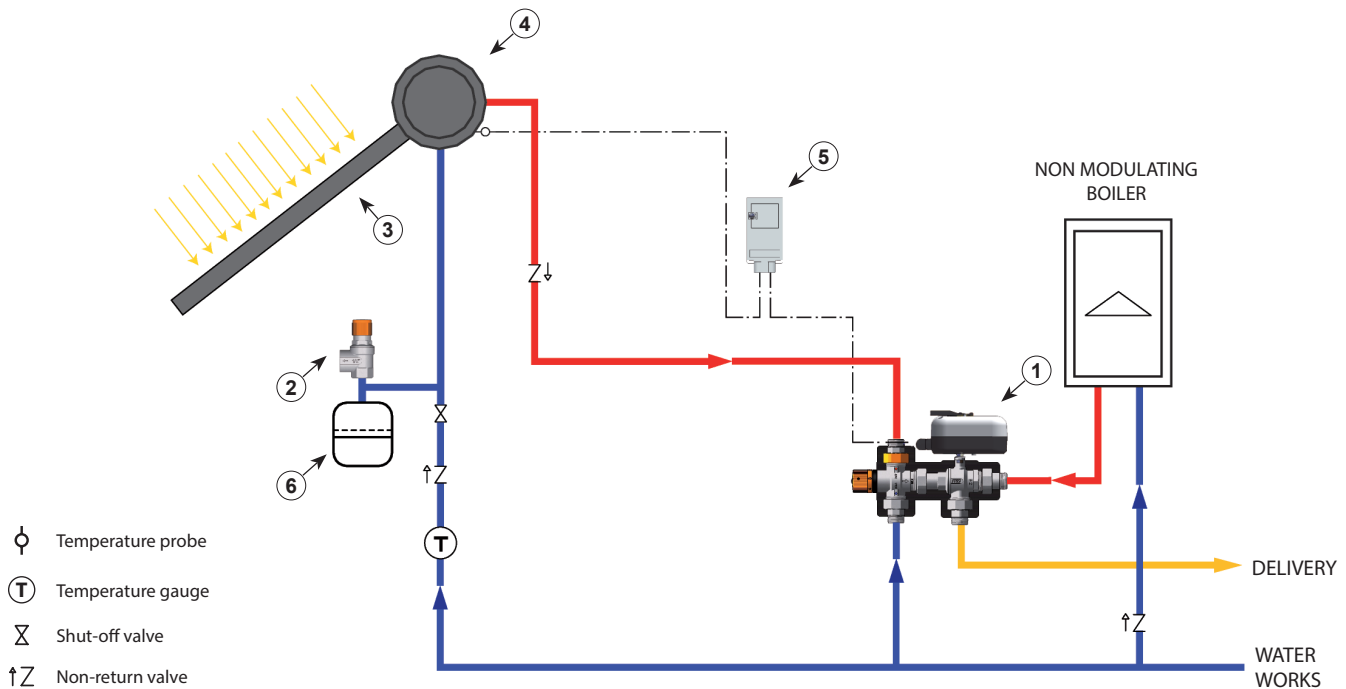


Water temperature produced by solar system < 45°C



Installation overview of art. 3091 34.

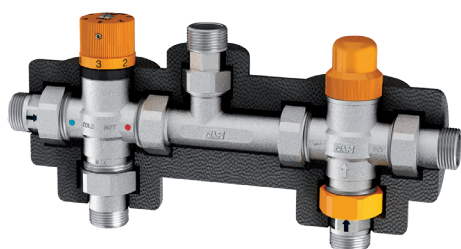
Without thermal integration - Solar system with natural circulation and non-modulating boiler



- 1 - SOLAR UNIT WITHOUT THERMAL INTEGRATION
- 2 - SOLARFAR SAFETY VALVE
- 3 - Thermal solar panel
- 4 - Tank
- 5 - THERMOSTAT
- 6 - Expansion tank

Solar unit with thermostatic diverter for systems with thermal integration.

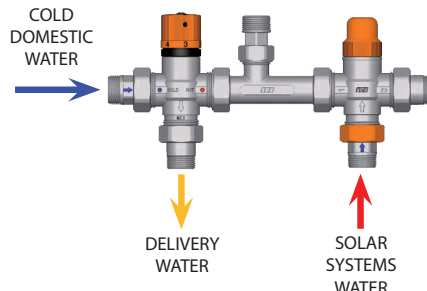
- Solar mixer with 30÷65°C temperature range
- Thermostatic diverter with presetting 45°C
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on the inlets
- EPDM sealing gaskets
- Insulation
- Connections with 3/4" unions



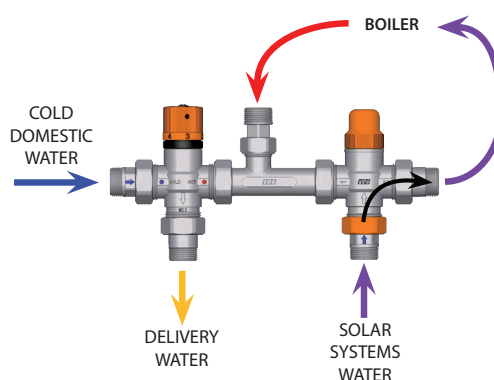
ART. 3092

Code	size	€	box	pack
3092 34	3/4"		1	-

Water temperature produced by solar system > 45°C



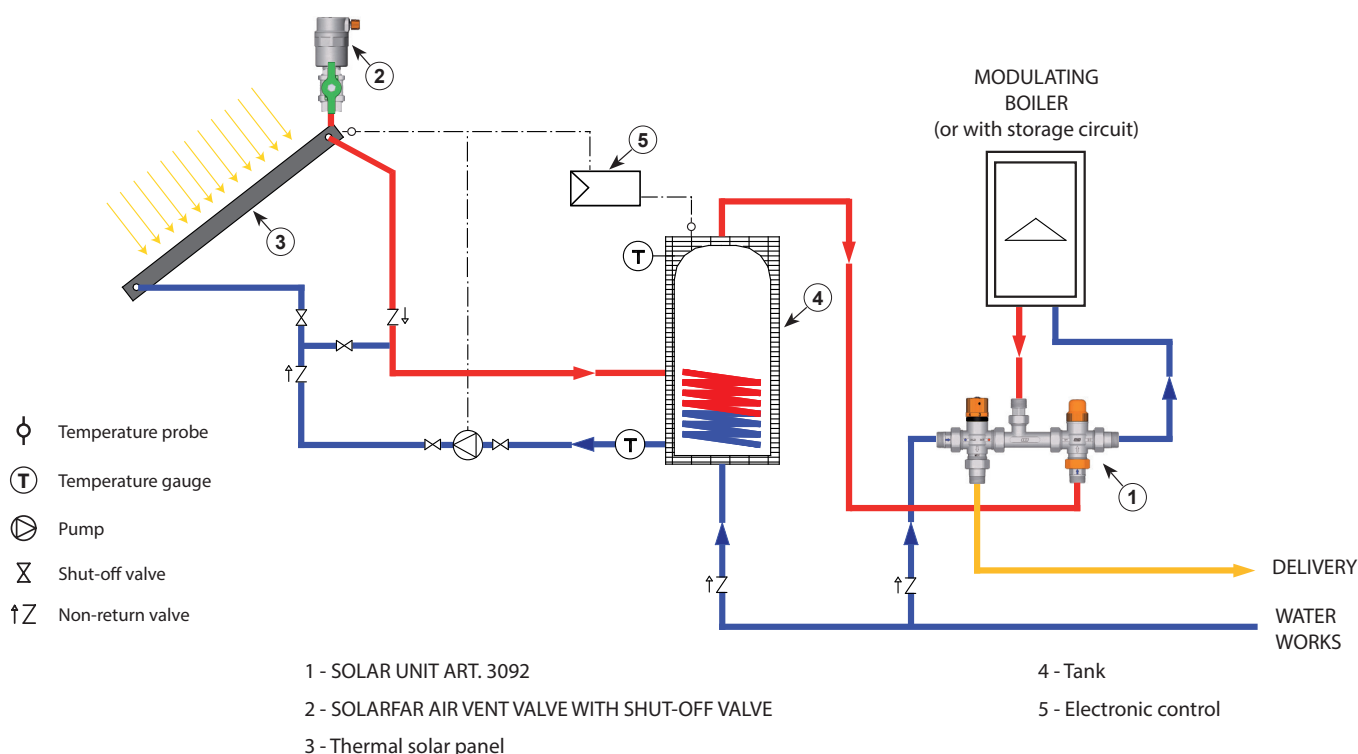
Water temperature produced by solar system < 45°C



SOLARFAR units allow the use of a solar thermal system in combination with a boiler. When the temperature of the water in the solar storage-tank exceeds the set value (45°C), the thermostatic diverter will direct the flow to the thermostatic mixer, making it available to users. If the stored water temperature falls below the set value (45°C), the diverter will re-direct the water to the boiler, which heats the water to the desired temperature.

Installation overview of art. 3092.

With thermal integration - Solar system with forced circulation and modulating boiler with integration



Automatic air vent valve with lateral purge for solar systems.

- Body made of CW617N stamped brass
- Connection: 3/8" - 1/2" M
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 160°C



ART. 2042

Code	size	€	box	pack
2042 38	3/8"		10	100
2042 12	1/2"		10	100

Deaerator for solar systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Lower connection: 1/2" with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 160°C



ART. 2252

Code	size	€	box	pack
2252 34	3/4"		1	6
2252 1	1"		1	6
2252 114	1"1/4		1	6
2252 112	1"1/2		1	6
2252 2	2"		1	6

Chrome-plated pressure and temperature relief valve for solar systems.

- Set pressure: 6 - 7 - 10 bar
- Inlet: 1/2" - 3/4" male
- Outlet: 1/2" - 3/4" female
- Max. temperature: 125°C
- Working temperature: 92 ± 3°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2009

Code	bar	size	€	box	pack
2009 121260	6	1/2"x1/2"		1	-
2009 121270	7	1/2"x1/2"		1	-
2009 121200	10	1/2"x1/2"		1	-
2009 343460	6	3/4"x3/4"		1	-
2009 343470	7	3/4"x3/4"		1	-
2009 343400	10	3/4"x3/4"		1	-

Automatic air vent valve with lateral purge for high pressures.

- Body made of CB753S brass
- Connection: 1/2" M
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 160°C



ART. 2068

Code	size	€	box	pack
2068 12	1/2"		1	25



Ball valve for solar systems.

- Body and ball made of CW617N brass
- Max. temperature: 160°C
- Nominal pressure: 10 bar

For correct system operation it is recommended to close the ball valve placed before the air vent valve when filling operations are complete

ART. 3033

Code	size	€	box	pack
3033 12	1/2"		1	-



Chrome-plated safety valve for solar systems.

- Set pressure: 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2" female
- Outlet: 3/4" female
- Max. temperature: 160°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2006

Code	bar	size	€	box	pack
2006 123425	2,5	1/2"x3/4"		10	100
2006 123430	3	1/2"x3/4"		10	100
2006 123435	3,5	1/2"x3/4"		10	100
2006 123440	4	1/2"x3/4"		10	100
2006 123450	5	1/2"x3/4"		10	100
2006 123460	6	1/2"x3/4"		10	100
2006 123470	7	1/2"x3/4"		10	100
2006 123480	8	1/2"x3/4"		10	100
2006 123400	10	1/2"x3/4"		10	100

Male fitting with metal seal for solar systems.

- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines


ART. 5871


Code	size	Ø pipe	€	box	pack
5871 3416	3/4"	16		25	250
5871 3418	3/4"	18		25	250
5871 3422	3/4"	22		25	250
5871 122	1"	22		25	250

Female fitting with metal seal for solar systems.

- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines


ART. 5873


Code	size	Ø pipe	€	box	pack
5873 3416	3/4"	16		25	250
5873 3418	3/4"	18		25	250
5873 3422	3/4"	22		25	250
5873 122	1"	22		25	250

Double fitting with metal seal for solar systems.

- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines


ART. 5875


Code	Ø pipe	€	box	pack
5875 1216	16		25	250
5875 1218	18		25	250
5875 3422	22		25	250

Male elbow with metal seal for solar systems.

- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines


ART. 5877


Code	size	Ø pipe	€	box	pack
5877 3416	3/4"	16		25	250
5877 3418	3/4"	18		25	250
5877 3422	3/4"	22		25	250
5877 122	1"	22		20	200

Female elbow with metal seal for solar systems.

- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines


ART. 5879


Code	size	Ø pipe	€	box	pack
5879 3416	3/4"	16		25	250
5879 3418	3/4"	18		25	250
5879 3422	3/4"	22		25	250
5879 122	1"	22		20	200

Double elbow with metal seal for solar systems.

- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines


ART. 5881


Code	Ø pipe	€	box	pack
5881 1216	16		25	250
5881 1218	18		25	250
5881 3422	22		25	250

Set point booster unit complete with:

- set point thermostatic mixer with 40 ÷ 75°C scale
 - high efficiency pump
 - shut-off valves
 - No.2 temperature gauges with 0 ÷ 80°C scale
 - PPE insulation
- Connections centre distance: 125 mm



ART. 2184

Code	size	pump	pump centre distance	€	box	pack
2184 1130EA	1"	electronic 1-7 m	130 mm		1	1
2184 1180E6	1"	electronic 1-6 m	180 mm		1	1
2184 1180EA	1"	electronic 1-8 m	180 mm		1	1

Automatic smoke damper.

- Equipped with chain and rod
- Setting range: 30 ÷ 100°C
- Position: horizontal or vertical
- Connection: 3/4"
- Chain range: 12mm / 10°C



ART. 3952

Code	size	€	box	pack
3952	3/4"		1	-

Anti-condensation valve for solid fuel heat generators

- Body made of CW617N and CB753S brass
- Connections: male complete with unions and gaskets
- Unions in CW617N brass with flat seat
- Sealing gaskets in EPDM
- Available settings: 45°C, 55°C, 60°C and 70°C with replaceable thermostatic sensor
- Spring in AISI302 stainless steel
- Max. inlet temperature: 100°C
- Max. pressure : 10 bar
- For use as an anti-condensation valve or as a diverter valve



ART. 3966

Code	Size	Kv [m ³ /h]	setting [°C]	€	box	pack
3966 0145	3/4"	3,9	45		1	-
3966 0155	3/4"	3,9	55		1	-
3966 0160	3/4"	3,9	60		1	-
3966 0170	3/4"	3,9	70		1	-
3966 0245	1"	3,9	45		1	-
3966 0255	1"	3,9	55		1	-
3966 0260	1"	3,9	60		1	-
3966 0270	1"	3,9	70		1	-
3966 0345	1"	11,3	45		1	-
3966 0355	1"	11,3	55		1	-
3966 0360	1"	11,3	60		1	-
3966 0370	1"	11,3	70		1	-
3966 0445	1"1/4	12,2	45		1	-
3966 0455	1"1/4	12,2	55		1	-
3966 0460	1"1/4	12,2	60		1	-
3966 0470	1"1/4	12,2	70		1	-

Spare sensor for anti-condensation valve.

- Art. 9400 anti-condensation valves Kv = 3,9 [m³/h]
- Art. 9401 anti-condensation valves Kv = 11,3-12,2 [m³/h]



ART. 9400-9401

Code	Kv [m ³ /h]	setting [°C]	€	box
9400 45	3,9	45		1
9400 55	3,9	55		1
9400 60	3,9	60		1
9400 70	3,9	70		1
9401 45	11,3-12,2	45		1
9401 55	11,3-12,2	55		1
9401 60	11,3-12,2	60		1
9401 70	11,3-12,2	70		1

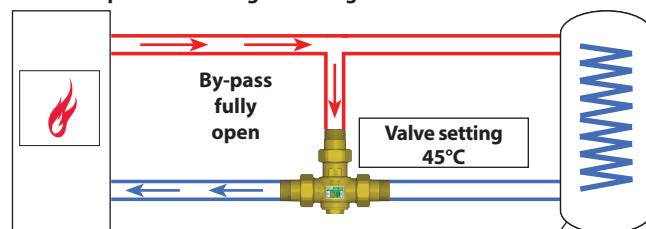
The anti-condensation valve, **Art. 3966**, independently regulates the temperature of the water returning from the hot water tank to the solid fuel heat generator, preventing condensation in the circuit and maintaining the correct operation of the generator.

If necessary, it can also be installed as a diverter valve to regulate the passage of water between the heat generator and the tank to maintain the set-point temperature.

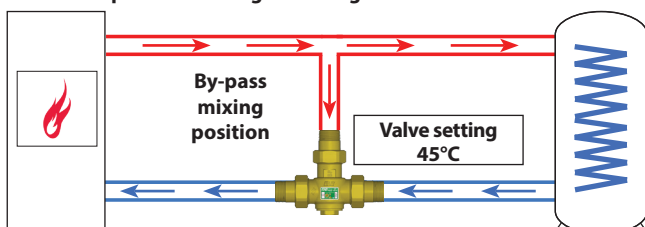
FUNCTIONING

The schemes below show the water flow in the circuit section from the heat generator to the tank. According to the temperature variations detected by the thermostatic sensor (set at 45°C), the valve adjusts the by-pass opening and closing, by means of a shutter.

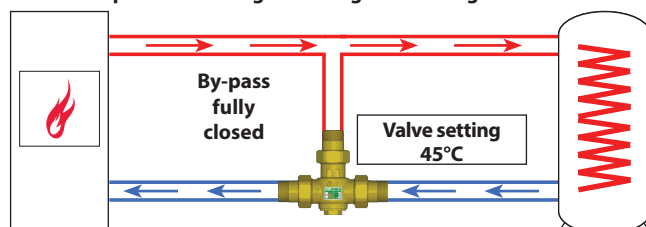
1- Water temperature coming from the generator : less than 45°



2- Water temperature coming from the generator: close to 45°

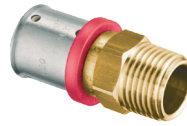


3- Water temperature coming from the generator: higher than 55°C



PRESSFAR - Male fitting.

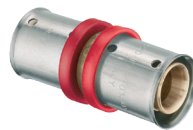
- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4980

Code	size	Ø pipe	€	box	pack
49802501	3/4"	25x2,3		20	200
49803201	1"	32x2,9		10	100
49804002	1"	40x3,7		10	100
49804001	1"1/4	40x3,7		10	100
49805001	1"1/2	50x4,6		5	50
49806301	2"	63x5,8		4	40

PRESSFAR - Double fitting.

- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4982

Code	Ø pipe	€	box	pack
49822501	25x2,3		20	200
49823201	32x2,9		10	100
49824001	40x3,7		5	50
49825001	50x4,6		5	50
49826301	63x5,8		3	30

PRESSFAR - Double 90° elbow.

- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4986

Code	Ø pipe	€	box	pack
49862501	25x2,3		10	100
49863201	32x2,9		10	80
49864001	40x3,7		5	50
49865001	50x4,6		4	40
49866301	63x5,8		2	20

PRESSFAR - Double 45° elbow

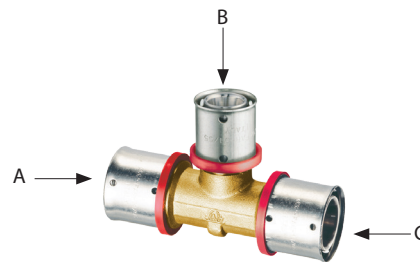
- Body made of CW617N brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4987

Code	Ø pipe	€	box	pack
49874001	40x3,7		5	50

PRESSFAR - "T" fitting with CENTRAL REDUCTION.

- Body made of brass
- Bush made of stainless steel
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4989

Code	Ø pipe			€	box	pack
	A	B	C			
49894002	40x3,7	32x2,9	40x3,7		20	200

PRESSFAR - Fitting with flat faced connection.

- Body made of brass
- Bush made of stainless steel
- Brass swiveling nut
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws


ART. 4999

Code	size	Ø pipe	€	box	pack
49992501	1"	25x2,3		20	200
49993201	1"	32x2,9		20	160
49994001	1"	40x3,7		20	160
49994002	1"1/4	40x3,7		20	160

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- PRESSFAR connection
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws

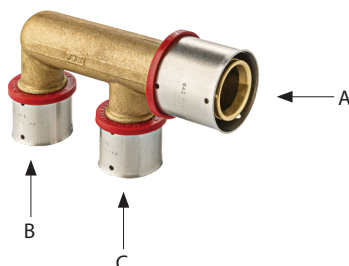


ART. 4944

Code	size	handle	Ø pipe	€	box	pack
49442501	1"	blue	25x2,3		5	50
49442502	1"	red	25x2,3		5	50
49443201	1"	blue	32x2,9		5	50
49443202	1"	red	32x2,9		5	50
49444001	1"	blue	40x3,7		5	50
49444002	1"	red	40x3,7		5	50

PRESSFAR - Fitting with double connection.

- Body made of brass
- Bush made of stainless steel
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4932

Code	Ø pipe			€	box	pack
	A	B	C			
49324001	40x3,7	32x2,9	32x2,9		1	

2-3 port brass modular manifold.

- Body made of CB770S brass
- Inlet: 2" male-female
- Outlets: 1" male
- Centre distance between ports: 100 mm



ART. 3616-3617

Code	outlets	size	€	box
3616 21	2 - 1"	2"		1
3617 21	3 - 1"	2"		1

Brass intermediate connection complete with manual air vent valve, temperature gauge and boiler drain cock.

- Size: 2" male- female
- Temperature scale: -30÷50°C



ART. 3451MG

Code	size	€	box
3451 MG2	2"		1