

FAR

magazine 2017

flow evolution

Worldwide compact FAR



Dirt separators for heating systems

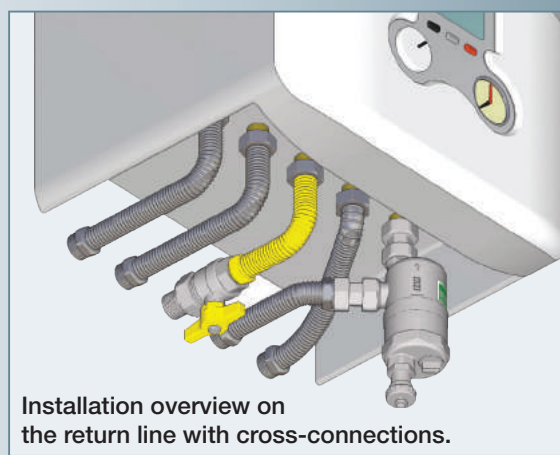
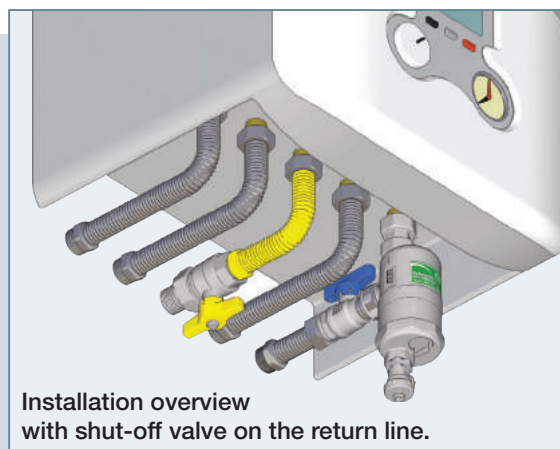


www.far.eu

compactFAR Dirt separator

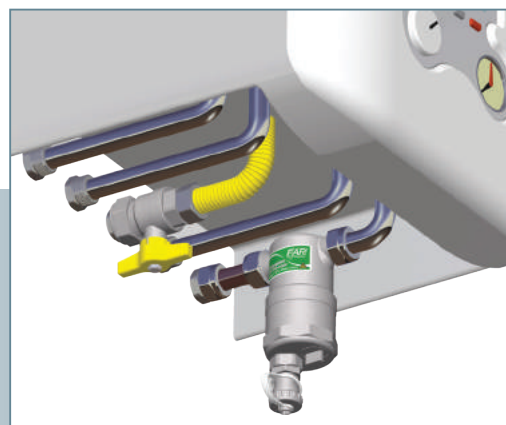


The new CompactFar dirt separator has been designed to protect domestic boilers from any impurities which can be found in the heating system. The internal cartridge allows to separate from water the impurities and the ferrous particles which could damage the boiler. The impurities can be flushed by removing the magnetic insert.



compactFAR

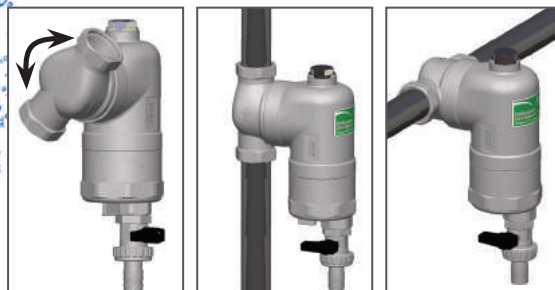
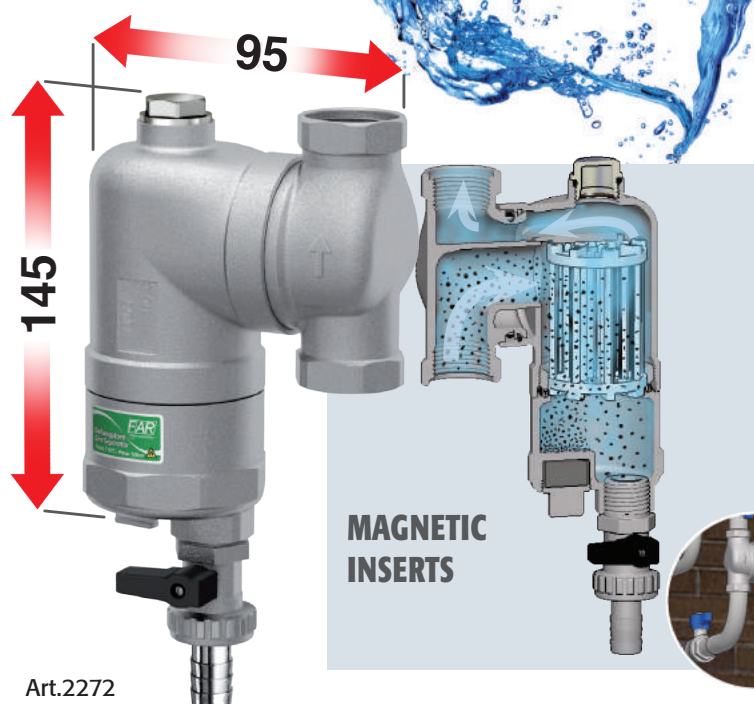
with straight line connections



Components for central heating

Dirt separator

Smart



The swivelling dirt separator can be installed on the pipeline in either vertical or horizontal position, as the part with threaded connections can rotate through 360° around its own axis.



Art.2272

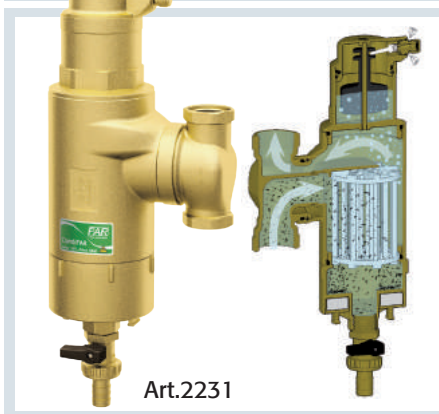
DIRT SEPARATORS



Art.2200

Art.2236

COMBIFAR



Art.2231

DEAERATORS



Art.2250

Art.2258

The range of FAR dirt separators and deaerators offers a wide range of articles:

- Fixed and swivelling connections (according to the versions)
- Dirt separators with or without magnetic inserts
- Equipped with insulation
- Combined dirt separators-deaerators

Sizes:

THREADED: 3/4" - 1" - 1" 1/4 - 1" 1/2 - 2" (according to the versions)
 FLANGED: DN50 - DN65 - DN80 - DN100 (according to the versions)

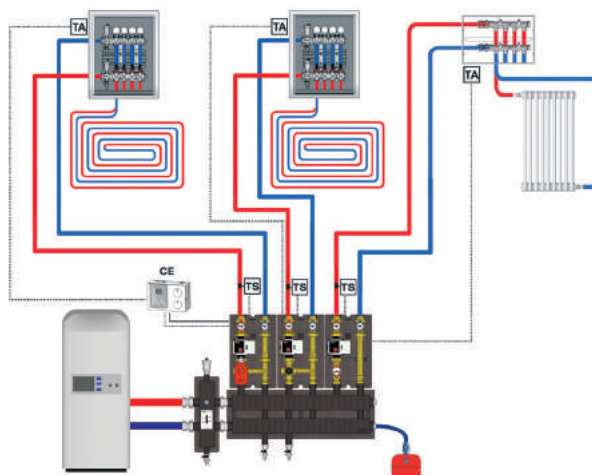
Systems for central heating

FAR offers a wide range of products designed for small and medium central heating systems. All booster units feature 1" connections and are equipped with high efficiency pump with 6, 7 or 8m.



Art.2171

Booster unit for high temperature, complete with pump and insulation.



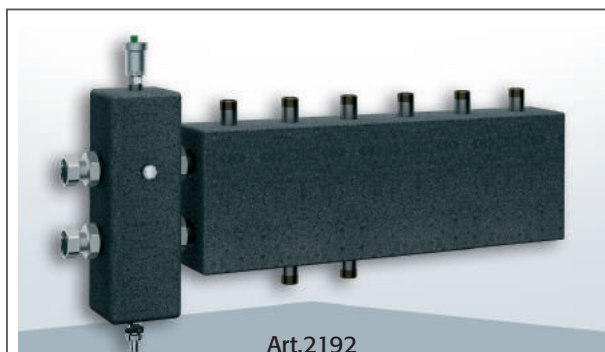
Art.2177

Booster unit for high temperature complete with 4 shut-off valves, differential bypass, pump and insulation.



Art.2174

Set point booster unit, complete with thermostatic mixer, pump and insulation.



Art.2192

Distribution unit for central heating, complete with 1 1/4 hydraulic separator and manifold, suitable for use with up to four booster units.



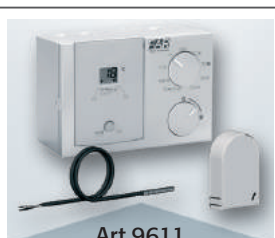
Art.2178

Set point booster unit, complete with thermostatic mixer, 4 shut-off valves, differential bypass, pump and insulation.



Art.2176

Mixed booster unit, complete with mixing valve with 3-point actuator, pump and insulation.



Art.9611

Temperature control unit preset for climatic operation, complete with delivery probe and external probe.



Art.3012

New version with 0-10V actuator



Art.2164

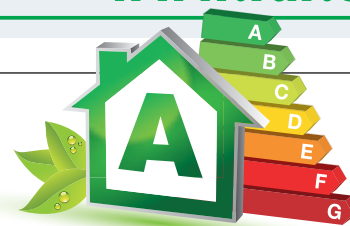
Hydraulic separator complete with flanged connections and insulation. Available sizes: DN50, DN65, DN80, DN100. Complete with drain cock and automatic air vent valve.



Art.2179

Mixed booster unit, complete with mixing valve, 4 shut-off valves, differential bypass, pump and insulation.

Upgrading of buildings energy efficiency



PRESETTING VALVES



Chrome-plated PRESETTING thermostatic valves, available in angled and straight versions in 3/8" and 1/2" sizes with connections for copper, plastic, multilayer and iron pipe.

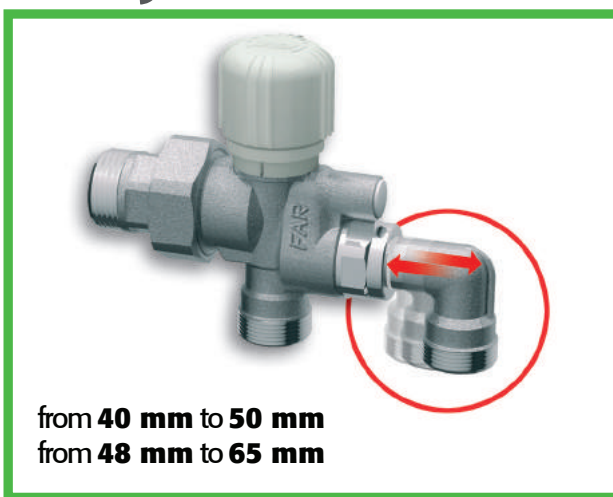
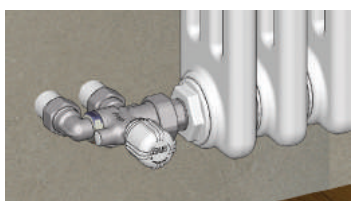


Valve calibration is carried out by means of a regulating numbered key on the body.

Single/double pipe thermostatic valves with adjustable centre line



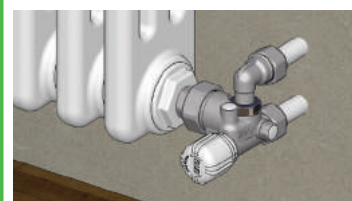
Art.1425



from **40 mm to 50 mm**
from **48 mm to 65 mm**



Art.1428



The new single/double pipe thermostatic valves with adjustable centre line are suitable for installation into new and existing systems. Available with 40-50 mm and 48-65 mm centre line in 1/2", 3/4" and 1" sizes.

THERMOSTATIC HEAD



Art.1828

Art.1824

Art.1827

Compact and elegant in design, FAR thermostatic heads allow you to automatically control the opening and closing of the radiator valves.

CHRONO-THERMOSTATIC HEAD



Art.1820

The chrono-thermostatic head is a compact programmable thermostat for radiators that allows you to vary the set-point temperature of the room throughout the day/week.

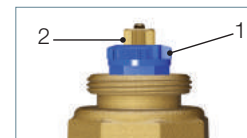
PRESSURE INDEPENDENT CONTROL VALVE (PICV)

Art. 2136-2137



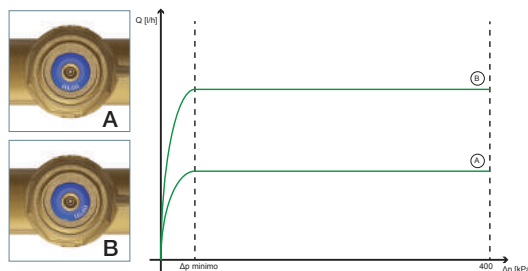
Balancing devices

New Pressure Independent Control Valve PICV designed for automatic balancing of heating, cooling and sanitary systems. The valve maintains a constant flow rate corresponding to the set design value by means of a simple numbered handle. Available in 1/2", 3/4", 1", 1 1/4, 1 1/2, 2" sizes.



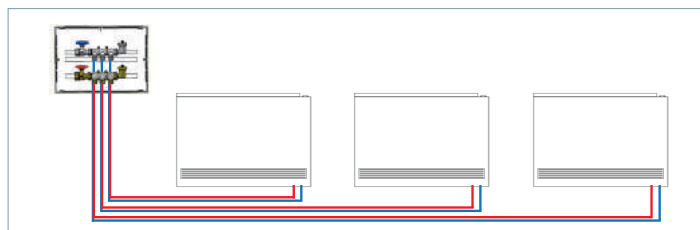
Functioning

By turning the adjusting nut (1) you get the required flow value. Then, tighten the memory block (2). Within the regulation range of Δp the flow rate remains constant, as shown in the graph.



NEW MANIFOLDS WITH BALANCING VALVE

Art. 3815



New manifolds with built-in balancing valve designed to regulate the supply (max.) of fan coils in heating or cooling systems. The numbered handle enables an easy setting of the desired value. It is possible to limit or even lock the handle position. Available in 3/4" or 1" sizes, MF, with 2, 3 or 4 outlets.

Zone valves

New range of stop valves, available in 3/4" or 1" sizes.

The Art. 3085 is equipped with a presetting system for the regulation of Kv and two probe seatings.



Art.3087

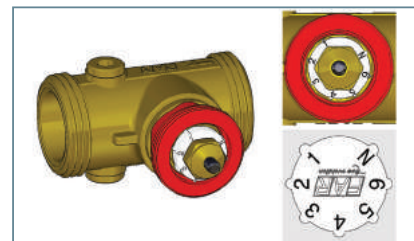
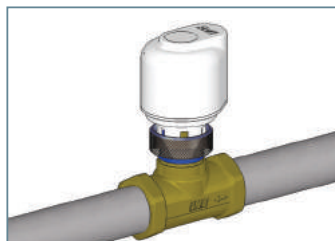


Art.3088



Art.3085

This kind of valves is suitable for the installation of the electric actuators Art. 1909-1919-1914-1924.



FAR ball zone valves complete with actuators. Available from 1/2" to 2" sizes.



Art.300715-300815



Art.300520-300620



Art.300125-300225



Art.303915-304015



Art.307080-307180

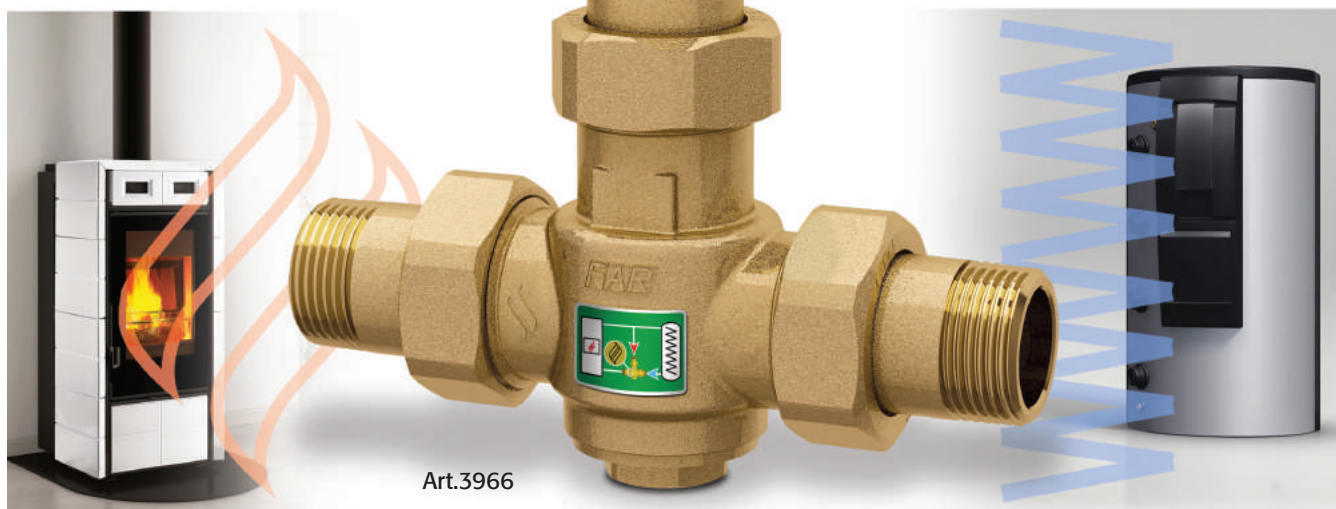
Components for renewable energy systems

Anti-condensation valve for solid fuel systems

AVAILABLE SETTING:
45°C - 55°C - 60°C - 70°C

size	Kv [m ³ /h]
3/4"	3,9
1"	3,9
1"	11,3
1" 1/4	12,2

MALE CONNECTIONS
COMPLETE WITH
UNIONS

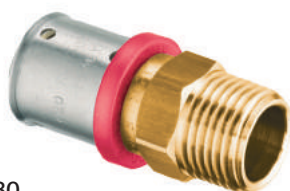


Art.3966

The FAR Anti-condensation Valve, Art.3966, prevents the formation of condensate in the circuits with solid fuel heat generators. Condensation and the consequent decrease of flue gas temperature can lead to corrosion and damage to both the heat exchanger and the flue. This phenomenon can reduce the efficiency of heat exchange and even lead to encrustation that could ignite at high flue gas temperatures.

Press fittings for geothermal and district heating systems

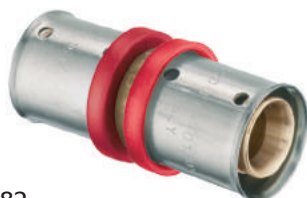
MALE FITTING



Art.4980

A new system of press fittings for standard SDR11 pipes in PE100 or PEX, suitable for use in geothermal and district heating plants. The fittings are made of brass with stainless steel bush and EPDM gaskets. They are guaranteed up to a pressure of 16 bar and a temperature of 95°C.

DOUBLE FITTING



Art.4982

Available sizes
(according to the version):

- 25x2,3
- 32x2,9
- 40x3,7
- 50x4,6
- 63x5,8

The press fitting system
is compatible with profiles:
H - TH - U

TEMPERATURE GAUGE HOLDER BALL VALVE with press connection and 1" swivelling nut



Art.4944

FITTING WITH SWIVELLING NUT



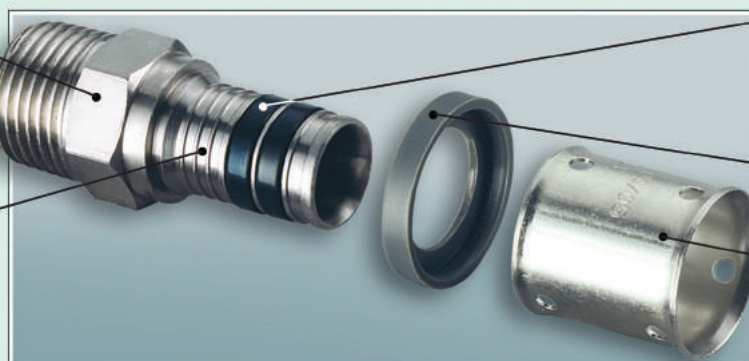
Art.4999

PRESSFAR

The universal solution



- Brass Body**
- Internal machining which allows full bore flow and minimal pressure drops.
 - Profile designed with safety calibration.
- TEA® Surface Treatment**
- To grant high water quality.
 - Corrosion protection in underfloor systems.



- Flat EPDM Washers**
- Larger contact surface to grant a better seal.
 - Designed to avoid the possibility of being damaged when inserting the pipe.
- Plastic ring in different colors**
- Pipe thickness easy to identify.
- Stainless steel bush**
- Long-lasting seal.
 - Pipe position easy to check.



The universal system of press fittings for multilayer pipes, suitable for pressing with three different profiles: TH-U-H

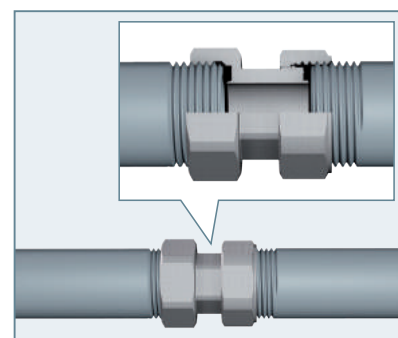


RING COLOR	AVAILABLE SIZES									
GREY	14x2	16x2	18x2	20x2	-	26x3	32x3	40x4	50x4	-
WHITE	-	16x2,25	-	20x2,25	-	-	-	-	-	-
GREEN	-	-	-	20x2,5	25x2,5	-	-	40x4,5	50x4,5	63x4,5

2-piece Fitting

A new line of 2-piece fittings in brass, to simplify and speed. Available in MF or FF versions, from 1/2" to 2" sizes, with swivelling nut and matching threads or with swivelling nut and reduced threads at both ends of the fitting.

To ensure the seal, the fitting shape allows the use of flat EPDM gaskets or normal sealing systems such as hemp, ptfе, etc.- depending on requirements.

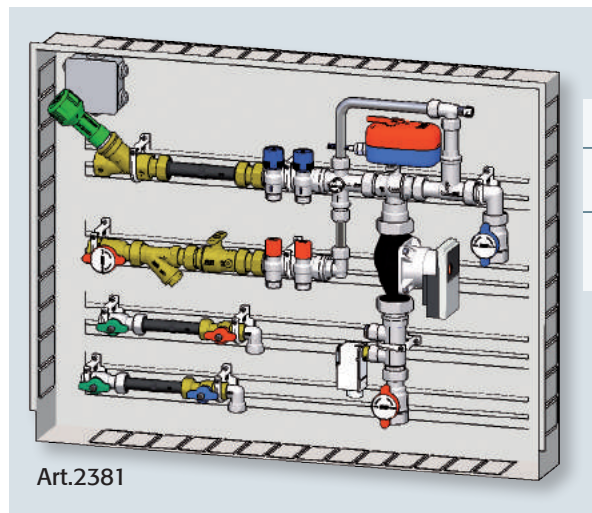
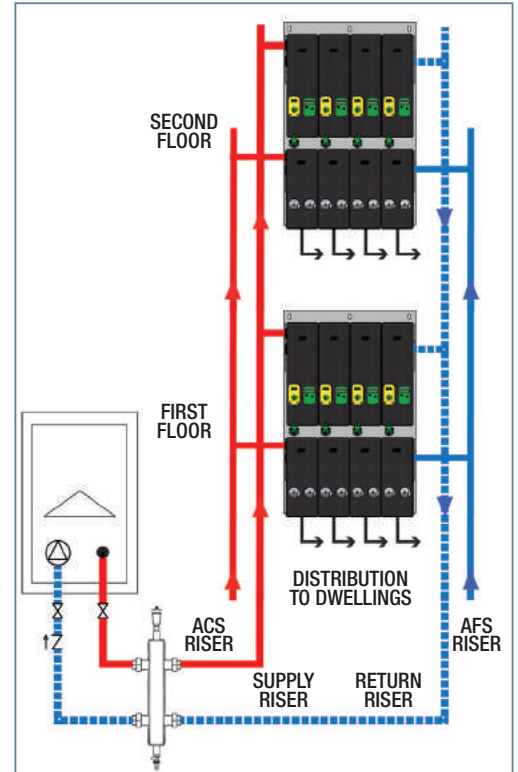
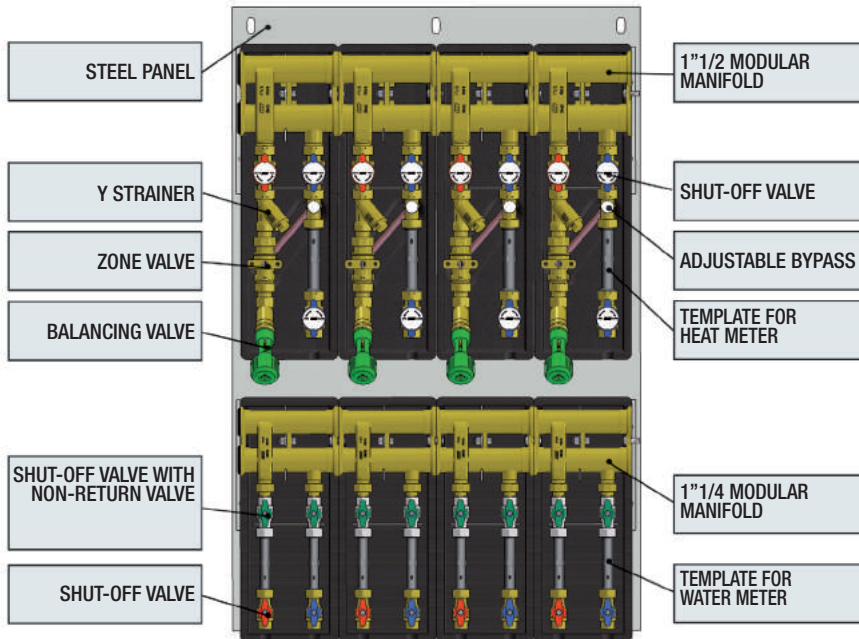


Components for Metering system

The FAR metering system consists of modules that are pre-assembled in a box or on a plate as well as the equipment used to obtain consumption data for individual dwelling.

The new multi-user module for 2, 3 or 4 users is ready-to-install in compartments and is supplied pre-assembled on a steel plate measuring 770x1150 mm.

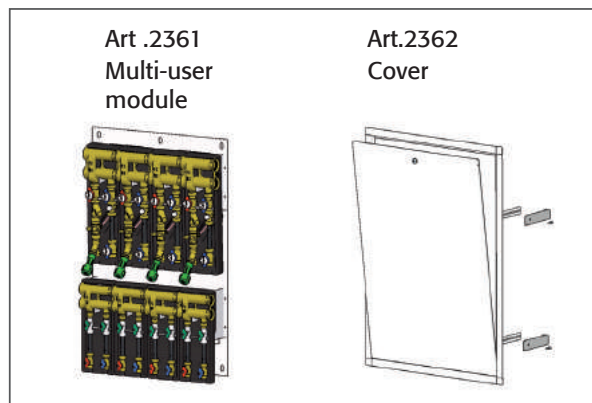
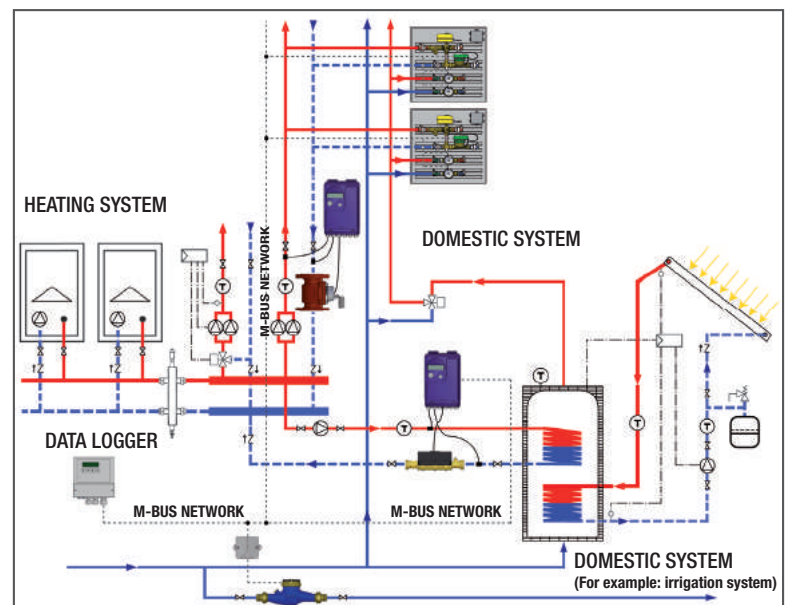
COMPONENTS



The equipment conforms to MID 2004/22/CE

It is possible to read consumption data either directly on the display or via an M-Bus network.

Mixed metering system module for heating plants complete with connections for high temperature and MODULATING regulation unit



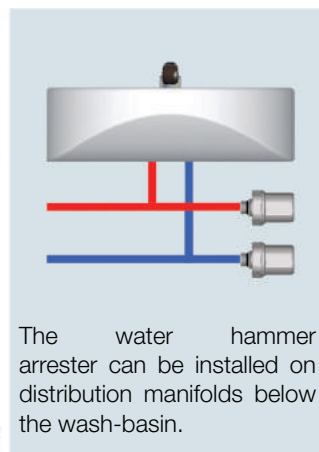
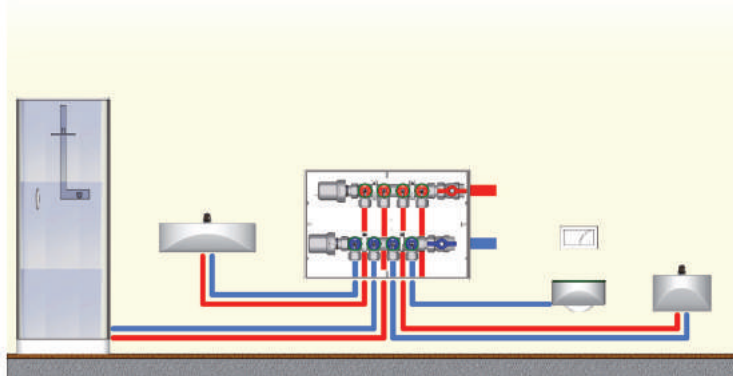
Art.2361
Multi-user
module

Art.2362
Cover

Water hammer arrester



Art.2895



The water hammer arrester can be installed on distribution manifolds below the wash-basin.

The water hammer arrester for domestic services mitigates the effect of overpressure, preserving the correct functioning of the components in the system. The device can withstand a maximum pressure of 50 bar and a maximum working temperature of 90°C.

Components for solar system *solarfar*

Motorized solar units with or without thermal integration

Solar units with thermostatic diverter

Automatic air vent valves

Thermostatic mixers

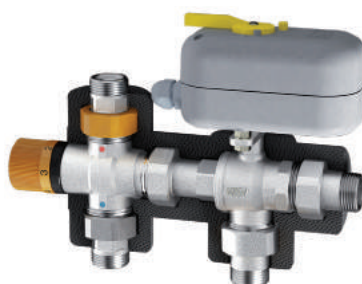
Deaerator

Fittings

Safety valves and pressure and temperature relief valves



Art.3090



Art.3091



Art.3092



Art.2068



Art.3955



Art.2252



Art.5870



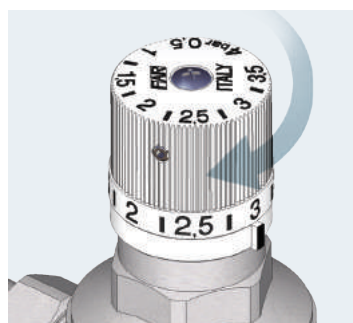
Art.2009

Filling unit and Components for underfloor heating systems

New automatic filling unit

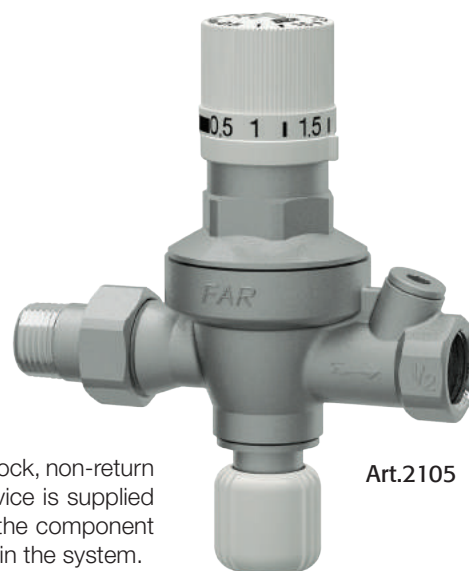
Installation of the new automatic filling unit is recommended for heating and air-conditioning systems. Such a device is able to fill the system up to a pressure between 0,5 and 4 bar.

It is equipped with 1/2" connections and it stands a maximum upstream pressure of 10 bar and a maximum temperature of 95°C.



Turn the handle in the upper section of the device in order to set the pressure, until you reach the desired value. An anti-tampering locking screw is located on the handle side.

The automatic filling unit is equipped with stop cock, non-return valve and pressure gauge connection. The device is supplied with a strainer to grant a better functioning of the component and to stop any impurities which can be found in the system.



Art.2105

Thermoelectric Actuator

Thermoelectric actuator: FAR has introduced a new thermoelectric actuator for manifolds and valves. Intended for "normally closed" operation, the new model is available in two versions: with or without microswitch. A compact design ensures easy installation with no need for tools. The inbuilt indicator reveals the position of the shutter at all times, making simple to determine the operating condition.



Art.1919-1924

Manifolds

New manifolds with integral flowmeters for underfloor heating systems join the extensive range of FAR manifolds. A flowmeter on each individual outlet makes it easy to set the flow rate of each circuit to meet the overall system requirement. The flow rate can be read on a graduated scale. The new manifolds are available with male/female side connections in 1" and 1 1/4 sizes and as a flanged 1" model.

Art.3480



Art.3561



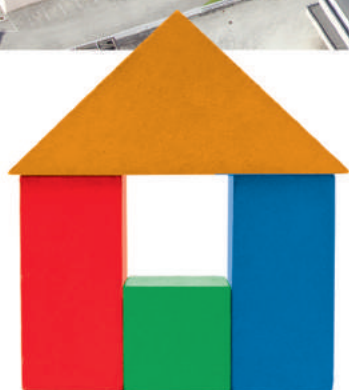
Art.3482



FAR offers the FIXED POINT unit for simple adjustment of the flow temperature to underfloor heating manifolds. It is based on the incorporation of a thermostatic mixer specifically designed to maintain temperature at the set value.



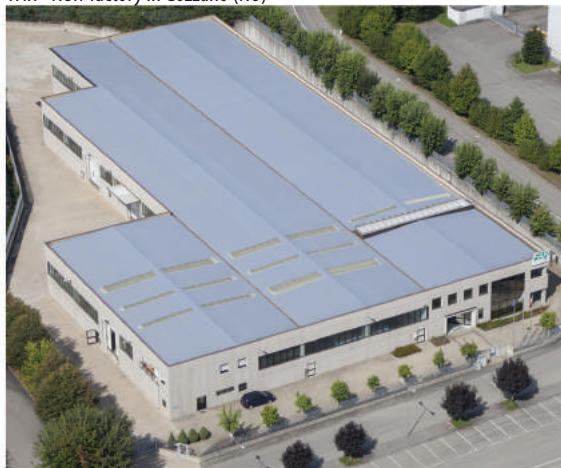
FAR - Factory in Gozzano (NO)



Home sweet home



FAR - New factory in Gozzano (NO)



FAR - Factory in San Maurizio d'Opaglio (NO)



Heating system



Domestic services



Metering system



Solar system