

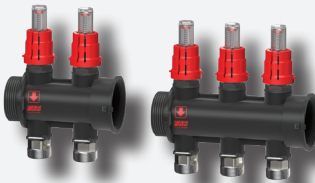
MANIFOLD WITH FLOWMETERS



ART.3974



ART.3984



ART.3994



Construction materials

- Manifold body: reinforced PA66
- O-rings: EPDM
- Handle and ring: ABS

Technical features

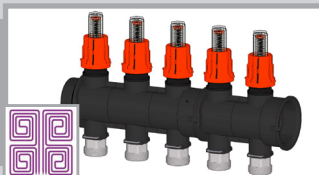
- Max. working pressure: 6 bar
- Compatible media:
 - Water
 - Water with glycol max. 30%
- Max. working temperature: 60°C
- Min. working temperature: 5°C

1

DESCRIPTION

The pre-assembled manifolds made of reinforced PA66 composite material, available in the 1 1/2" size, are designed for installation in heating and cooling systems, supplying circuits composed of radiant panels.

Supply manifold

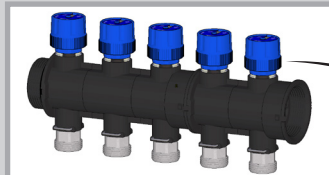


Supply manifold equipped with flowmeters

USE:
Underfloor heating systems.

The supply manifold is equipped with flowmeters and flow rate regulators, allowing accurate control and adjustment of the flow rate of each individual circuit.

Return manifold



The return manifold is designed to allow the installation of thermo-electric actuators, enabling the automatic opening and closing of each circuit



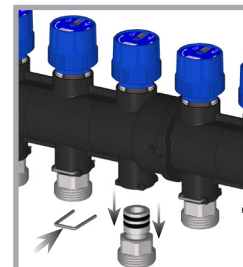
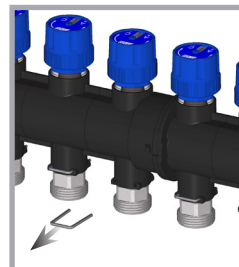
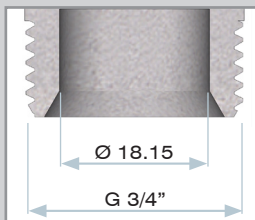
Connection type

3/4" EUROKONUS CONNECTION



With this type of outlet connection, it is possible to connect the manifold using:

- Multilayer pipe up to Ø 21 mm
- Plastic pipe up to Ø 21 mm
- Ø15 - 18 mm copper pipe



KIT FOR COPPER PIPE



Art. 8420

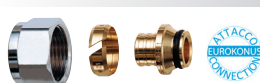
Sealing kit for copper pipe Ø15 - EUROKONUS



Art. 8421

Sealing kit for copper pipe Ø18 - EUROKONUS

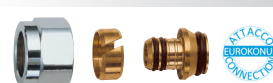
KIT FOR PLASTIC PIPE



Art. 6075

Kit for plastic pipes with EUROKONUS connection.

KIT FOR MULTILAYER PIPE

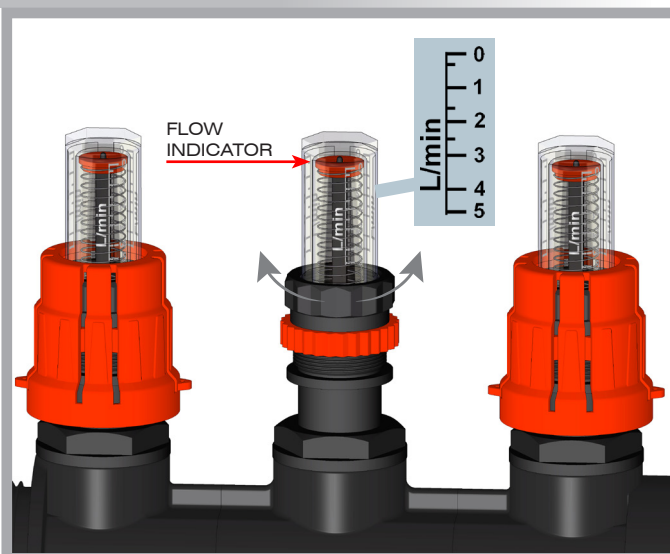
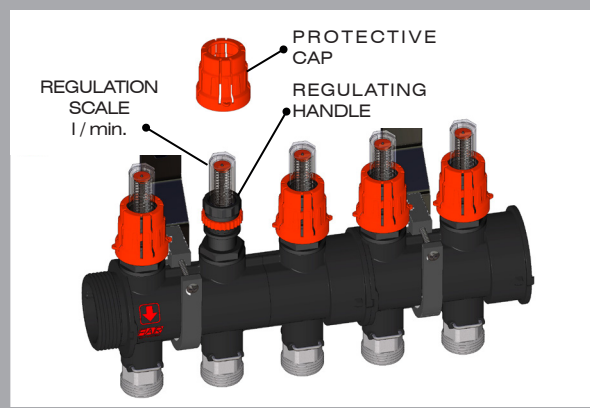


Art. 6076

Kit for multilayer pipes with EUROKONUS connection

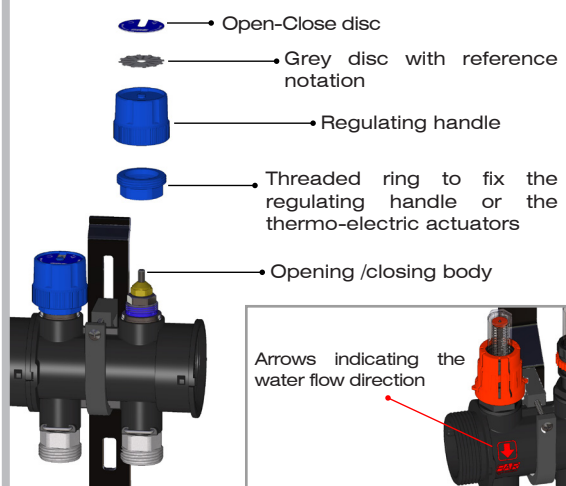
Manifold with flowmeters

To fully open the flowmeters and proceed with balancing operations, remove the protective cap and operate the regulating handle as required.
To adjust the flow rate, turn clockwise to decrease the flow rate and turn counterclockwise to increase the flow rate

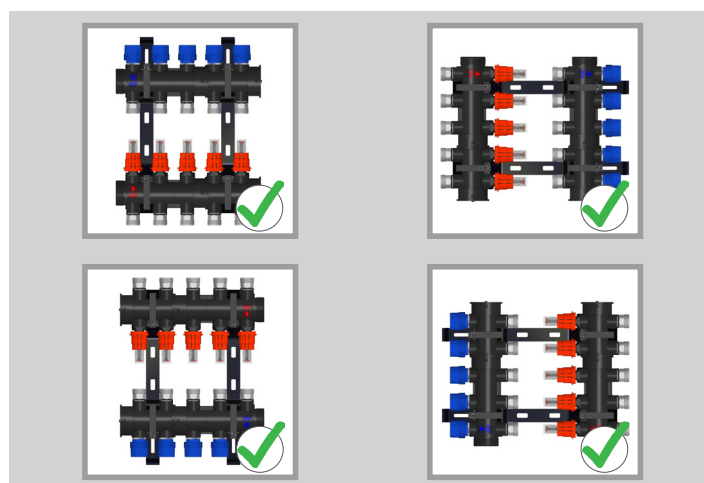


2 INSTALLATION

CONSTRUCTION DETAILS



The thermo-electric manifolds can be installed in any orientation, except when an automatic air vent valve is fitted: in this case, the valve must always be installed in a vertical position.



3 INSTALLABLE COMPONENTS AND ACCESSORIES

A wide range of installable components and accessories is available to complete the system and meet the requirements of most heating and cooling installations.

3.1 THERMO-ELECTRIC ACTUATORS

The function of the thermo-electric actuators is to automatically control the opening and closing of each outlet on which they are installed, according to the electrical signal received.
When the room thermostat or the control unit to which the actuator is connected sends a signal, the internal element is electrically heated and the valve changes its position until it is fully open or fully closed. The status can be identified by the position of the indicator pin on the actuator.

- When a Normally Closed (NC) actuator is installed, in the absence of electrical power supply the valve remains in the closed position.
- When a Normally Open (NO) actuator is installed, in the absence of electrical power supply the valve remains in the open position.

2-wire thermo-electric actuator



ART.	VOLTAGE	TYPE	TIME
1909	24V	N.C.	180 s
1919	230V	N.C.	180 s
1929	24V	N.O.	180 s
1939	230V	N.O.	180 s

4-wire thermo-electric actuator with auxiliary micro-switch



ART.	VOLTAGE	TYPE	TIME
1913	24V	N.C.	90 s
1914	230V	N.C.	180 s
1923	24V	N.C.	90 s
1924	230V	N.C.	180 s

3.2 INSPECTION BOXES FOR INSTALLATION

To meet different system installation requirements, a range of metal inspection boxes is available in various configurations and sizes.

Art. 7148

Zinc-coated sheet steel inspection box complete with painted cover for hydraulic distribution manifolds.

- Adjustable depth from 110 mm to 150 mm.



Art. 7149

Support for floor installation, designed for inspection box Art. 7148.



Art.7150

Painted sheet steel inspection box complete with painted cover and built-in feet, designed for hydraulic distribution manifolds.

- Adjustable depth from 150 mm to 190 mm.



Art.7165

Painted sheet steel inspection box complete with painted cover for hydraulic distribution manifolds.

- Adjustable depth from 110 mm to 150 mm.



3.3 CONNECTION ACCESSORIES

Art. 4103

Terminal plug with 1"1/2 male thread. Allows the closure of the side connection of the manifold.

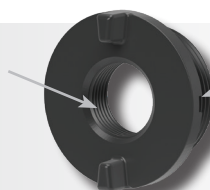


Art.4104

Reduction fitting for the side connection of the manifold. Allows the reduction from 1"1/2 female thread to 3/4" female thread.

3/4" Female

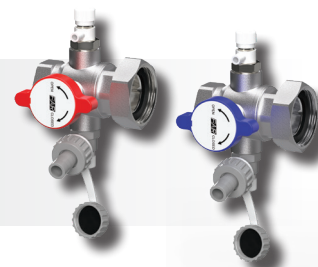
1"1/2 Male



Art.307B

Terminal fitting complete with manual air vent valve and adjustable drain cock. Allows manual air discharge from the system.

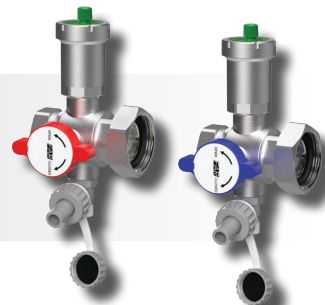
CONNECTIONS: 1" FEMALE - 1"1/2 FEMALE



Art.307C

Terminal fitting complete with automatic air vent valve and adjustable drain cock. Allows automatic air discharge from the system.

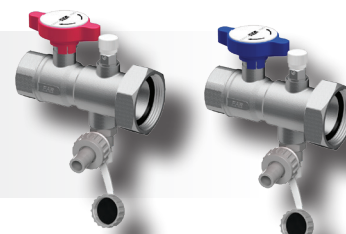
CONNECTIONS: 1" FEMALE - 1"1/2 FEMALE



Art.307G

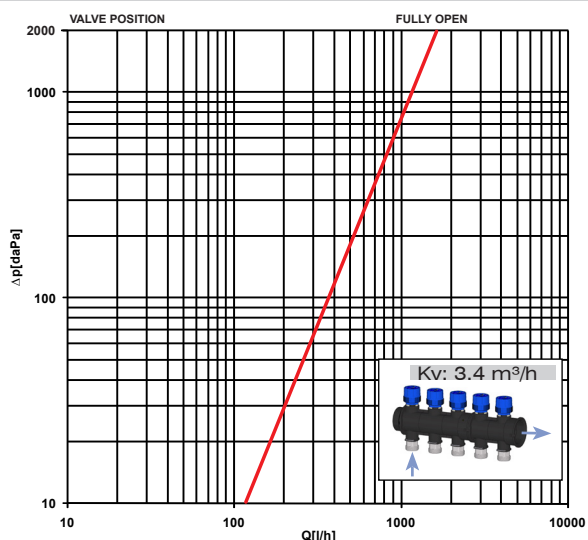
Terminal fitting equipped with a manual ball valve with thermometer holder and a manual air vent valve, both positioned on the upper part of the fitting.

CONNECTIONS: 1" FEMALE - 1"1/2 FEMALE

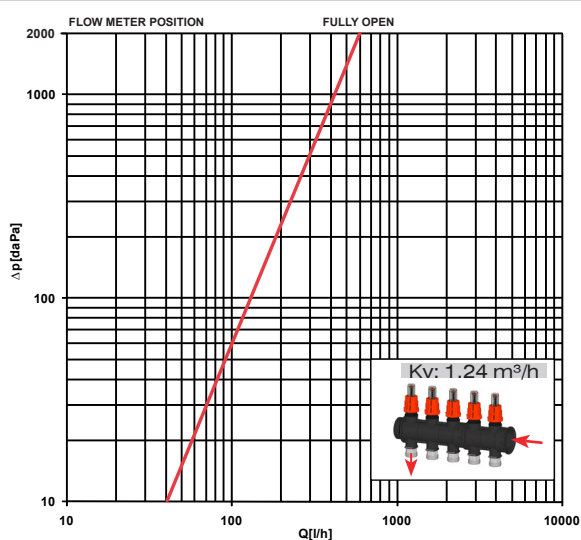


4 FLUID DYNAMICS FEATURES

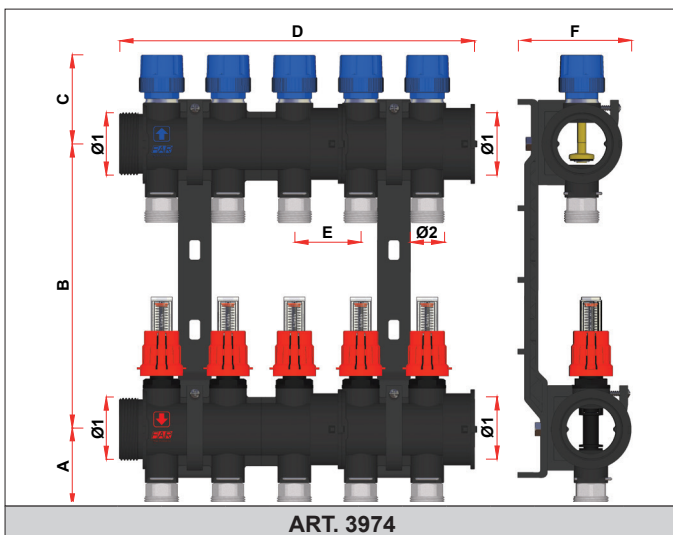
RETURN MANIFOLDS



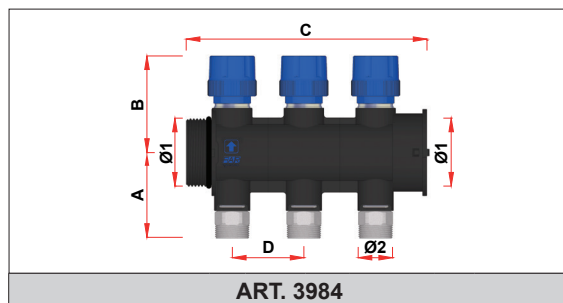
MANIFOLDS WITH FLOWMETERS



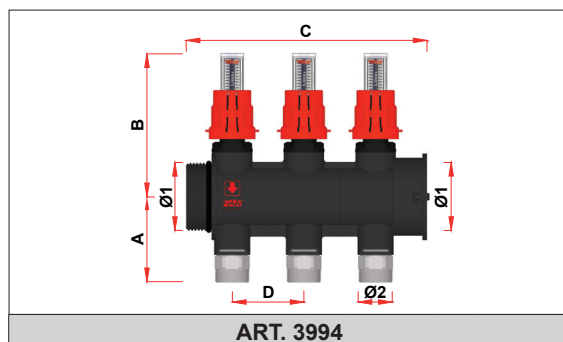
5 DIMENSIONAL FEATURES



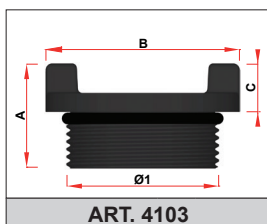
CODE	OUT.	Ø1	A	B	C	D	E	F	G	H	Ø2
3974 11203	3	1"1/2	60	206-269	67	168	50	88	42	58	3/4"
3974 11204	4	1"1/2	60	206-269	67	218	50	88	42	58	3/4"
3974 11205	5	1"1/2	60	206-269	67	268	50	88	42	58	3/4"
3974 11206	6	1"1/2	60	206-269	67	318	50	88	42	58	3/4"
3974 11207	7	1"1/2	60	206-269	67	368	50	88	42	58	3/4"
3974 11208	8	1"1/2	60	206-269	67	418	50	88	42	58	3/4"
3974 11209	9	1"1/2	60	206-269	67	468	50	88	42	58	3/4"
3974 11210	10	1"1/2	60	206-269	67	518	50	88	42	58	3/4"
3974 11211	11	1"1/2	60	206-269	67	568	50	88	42	58	3/4"
3974 11212	12	1"1/2	60	206-269	67	618	50	88	42	58	3/4"
3974 11213	13	1"1/2	60	206-269	67	668	50	88	42	58	3/4"



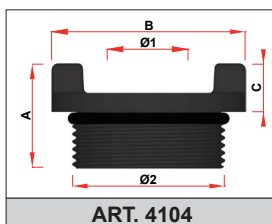
CODE	OUT.	Ø1	A	B	C	D	Ø2
3984 11202	2	1"1/2	60	57	118	50	3/4"
3984 11203	3	1"1/2	60	57	168	50	3/4"



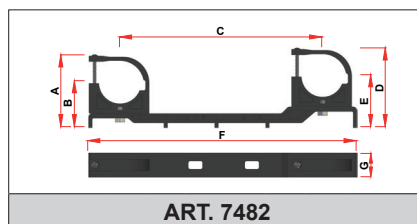
CODE	OUT.	Ø1	A	B	C	D	Ø2
3994 11202	2	1"1/2	60	100	118	50	3/4"
3994 11203	3	1"1/2	60	100	168	50	3/4"



CODE	Ø1	A	B	C
4103 112	1"1/2	32	60	15



CODE	Ø1	Ø2	A	B	C
4104 11234	3/4"	1"1/2	32	60	15



CODE	A	B	C	D	E	F	G
7482 112	77	48	215-225	84	55	285	25