BALANCING THERMO-ELECTRIC MANIFOLDS





Art. 3923

Chrome-plated modular manifold with balancing lockshield valves. Suitable for heating systems.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Side connections: 1" 1"1/4 male-female
- Centre line between ports: 50 mm

Also available in flanged version, Art.3915



Art. 3461

Chrome-plated modular flanged manifold with balancing lockshield valves and intermediate connection.

- Interchangeable sizes for copper, plastic and multilayer pipes
 Side connections: 1" 1"1/4 male-female
- Centre line between ports: 50 mm
- Intermediate connection complete with: air vent valve, temperature gauge and drain cock

Also available in flanged version, Art.3464

1. DESCRIPTION

The new manifolds with balancing bodies allow quick adjustment of the desired flow into the different circuits using the numbered settings on the handle. This particular system permits regulation with no need for special tools, in even the most confined spaces. Once the lockshield valve is set, it is possible to assemble onto the handle a protective cap, which protects from eventual tampering made by not qualified persons.



Regulation is carried out by means of the numbered handle. The handle stroke is less than 360° and it ranges between 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position can be easily identified thanks to the reference notches onto the manifold.





To make the assembly tamper-proof, simply press the protective device onto the regulating handle. The red cap then rotates freely, giving protection from interference.

2. CONSTRUCTION FEATURES

3. INSTALLATION

- Tighten the nut

Installation of balancing manifolds combined with manifolds with built-in valves must take account of flow direction, as indicated below.



ADAPTERS FOR MANIFOLDS WITH EUROKONUS CONNECTIONS 5.



Art. 6076 Adapters for multilayer pipes

TECHNICAL FEATURES Norking temperature range: 0-95°C Max.working pressure: 10 bar

Sealing of plastic and multilayer pipe is achieved by means of a nut, an adapter and a brass ring

MATERIALS					
Ring and adapter: CW614N-CW617N	١				
O-Ring: EPDM					
Nut: CW617N					

TO ASSEMBLE THE SEALING KIT, PROCEED AS FOLLOWS:

- Insert the nut onto the pipe
- Insert the ring onto the pipe
- In case of multilayer adapters, calibrate the pipe by means of appropriate tools or a round bar, so as to protect O-rings from damages. Then insert the adapter.

Art.3929

complete with:

Pre-assembled M-F manifold

Supply balancing manifold

for thermo-electric actuators

Fixing brackets, art.7480

Return manifold with shut-off valvesv suitable

- Locate the pipe complete with kit in the conical seat
- Tighten the nut

6. **PRODUCT RANGE**



Pre-assembled flanged manifold

complete with:

- Supply balancing manifold Return manifold with shut-off valves suitable
- for thermo-electric actuators Fixing brackets, art.7480

Art.3916



Art.3477

- Pre-assembled unit for underfloor heating systems complete with: - Fix point regulating unit High temperature distribution manifolds Fixing brackets, art.7480 Safety thermostat
 - Pre-assembled unit for underfloor heating systems complete with: - Mixing valve with 3-point actuator High temperature distribution manifolds Fixing brackets, art.7480 Safety thermostat

Art.3484

Pre-assembled mixed unit for underfloor

Low temperature distribution manifolds,

High temperature distribution manifolds

heating systems complete with:

Fix point regulating unit

from 3 up to 11 outlets

Fixing brackets, art.7480

Safety thermostat

Painted sheet steel wall box



Pre-assembled F-F manifold

complete with: - Supply balancing manifold - Return manifold with shut-off valves suitable for thermo-electric actuators Intermediate connection, art.3438 - Fixing brackets, art.7480



- Pre-assembled unit for underfloor
- Low temperature distribution manifolds,
- from 2 up to 12 outlets



Art.3568

- Pre-assembled unit for underfloor heating systems complete with: - Mixing valve with 3-point actuator
- Low temperature distribution manifolds,
- from 5 up to 12 outlets
- Fixing brackets, art.7480
- Painted sheet steel wall box
 - Safety thermostat



Do NOT use grease to oil the fitting

NOTE: It is important to tighten the nut firmly in order to block the pipe with the ring securely. Minimum torque wrench setting is 40Nm.





Art.3483

- Pre-assembled mixed unit for underfl oor
- heating systems complete with: Fix point regulating unit
- Low temperature distribution manifolds,
- from 3 up to 10 outlets High temperature distribution manifolds Fixing brackets, art.7480
- Safety thermostat



Art.3570

- Pre-assembled mixed unit for underfloor
- heating systems complete with:
- Mixing valve with 3-point actuator
- Low temperature distribution manifolds,
- from 5 up to 11 outlets High temperature distribution manifolds
- Fixing brackets, art.7480 Painted sheet steel wall box Safety thermostat

Safety thermostat

Pre-assembled unit for underfloor

Low temperature distribution manifolds,

heating systems complete with:

Fix point regulating unit

from 3 up to 12 outlets

- Fixing brackets, art.7480

Painted sheet steel wall box

Art.3482

The range also includes pre-assembled units with flowmeters and balancing manifolds, arts. 3566-3567 (see our catalogue).





- Fix point regulating unit



Safety thermostat



BALANCING THERMO-ELECTRIC MANIFOLDS

7. FLUID DYNAMICS FEATURES



8. DIMENSIONAL AND TECHNICAL FEATURES

Dimensional Features

	7							
CODE	PORTS	Ø1	A	В	С	D	E	Ø2
3915-3918	2	G1	45	35	105	50	50	24x19-G3/4
3915-3918	3	G1	45	35	155	50	50	24x19-G3/4
3915-3918	4	G1	45	35	205	50	50	24x19-G3/4
3915-3918	5	G1	45	35	260	50	50	24x19-G3/4
3915-3918	6	G1	45	35	310	50	50	24x19-G3/4
3915-3918	7	G1	45	35	360	50	50	24x19-G3/4
3915-3918	8	G1	45	35	410	50	50	24x19-G3/4
3915-3918	9	G1	45	35	465	50	50	24x19-G3/4
3915-3918	10	G1	45	35	515	50	50	24x19-G3/4
3915-3918	11	G1	45	35	565	50	50	24x19-G3/4
3915-3918	12	G1	45	35	615	50	50	24x19-G3/4

		Ø2						
CODE	PORTS	Ø1	А	В	С	D	Е	Ø2
3923-3921	2	G1	45	34	116	50	48	24x19-G1/2-G3/4
3923-3921	3	G1	45	34	166	50	48	24x19-G1/2-G3/4
3923-3921	4	G1	45	34	216	50	48	24x19-G1/2-G3/4
3923-3921	5	G1	45	34	268	50	48	24x19-G1/2-G3/4
3923-3921	6	G1	45	34	318	50	48	24x19-G1/2-G3/4
3923-3921	7	G1	45	34	368	50	48	24x19-G1/2-G3/4
3923-3921	8	G1	45	34	418	50	48	24x19-G1/2-G3/4
3923-3921	9	G1	45	34	470	50	48	24x19-G1/2-G3/4
3923-3921	10	G1	45	34	520	50	48	24x19-G1/2-G3/4
3923-3921	11	G1	45	34	570	50	48	24x19-G1/2-G3/4
3923-3921	12	G1	45	34	620	50	48	24x19-G1/2-G3/4
3923-3921	2	G11/4	50	38	116	50	58	24x19-G3/4
3923-3921	3	G11/4	50	38	166	50	58	24x19-G3/4
3923-3921	4	G11/4	50	38	218	50	58	24x19-G3/4
3923-3921	5	G11/4	50	38	268	50	58	24x19-G3/4
3923-3921	6	G11/4	50	38	318	50	58	24x19-G3/4
3923-3921	7	G11/4	50	38	368	50	58	24x19-G3/4
3923-3921	8	G11/4	50	38	418	50	58	24x19-G3/4
3923-3921	9	G11/4	50	38	470	50	58	24x19-G3/4
3923-3921	10	G11/4	50	38	520	50	58	24x19-G3/4
3923-3921	11	G11/4	50	38	570	50	58	24x19-G3/4
3923-3921	12	G11/4	50	38	620	50	58	24x19-G3/4

Technical Features

Max. working pressure: 10 bar

Max. working temperature: 95°C

Compatible media: Water and water with glycol