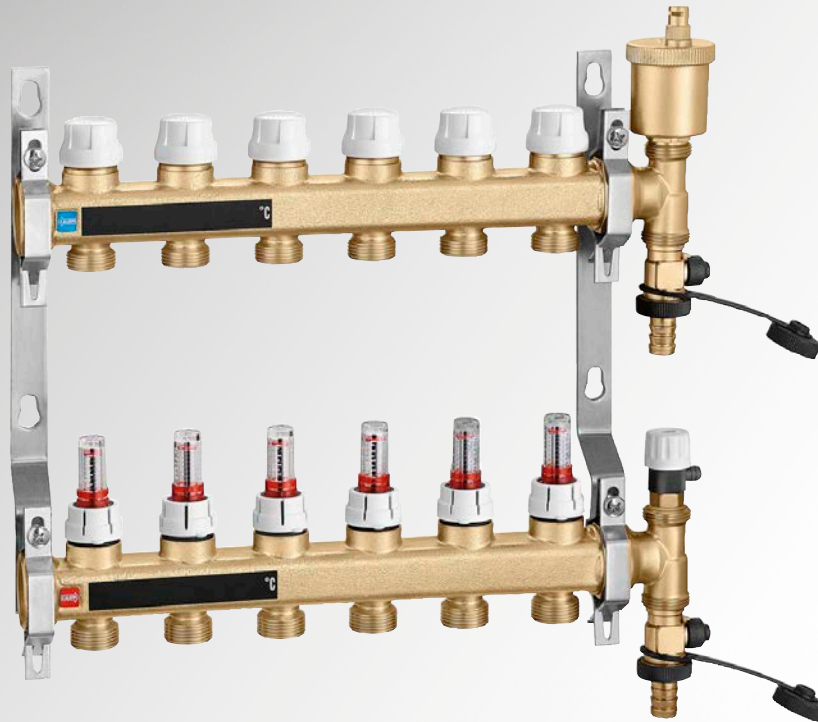


## DISTRIBUTION MANIFOLDS FOR RADIANT PANEL SYSTEMS

**CALEFFI**  
Hydronic Solutions



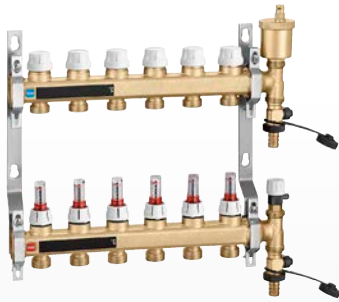
Efficiently controlling the delivery of heat



### FUNCTION AND FEATURES

- Flow manifold complete with flow meters with graduated scale (0–5 l/min) and flow rate balancing valves.
- Flow meters designed to be easy cleaned even with working system.
- Return manifold with built-in shut-off valves fitted for thermo-electric actuator.
- Steel mounting brackets.
- End fittings with automatic air vent and drain cock.
- LCD thermometers on flow and return manifolds.

## PRODUCT RANGE



CODE	CONNECTIONS	OUTLET NO.	OUTLETS
6646B1	1"	x 2	3/4" M
6646C1	1"	x 3	3/4" M
6646D1	1"	x 4	3/4" M
6646E1	1"	x 5	3/4" M
6646F1	1"	x 6	3/4" M
6646G1	1"	x 7	3/4" M
6646H1	1"	x 8	3/4" M
6646I1	1"	x 9	3/4" M
6646L1	1"	x 10	3/4" M
6646M1	1"	x 11	3/4" M
6646N1	1"	x 12	3/4" M
6646O1	1"	x 13	3/4" M

### PERFORMANCE

MEDIUM	water, glycol solutions
MAX. PERCENTAGE OF GLYCOL	30%
MAX. WORKING PRESSURE	6 bar
TEMPERATURE RANGE	5–60°C
OUTLETS CENTRE DISTANCE	50 mm

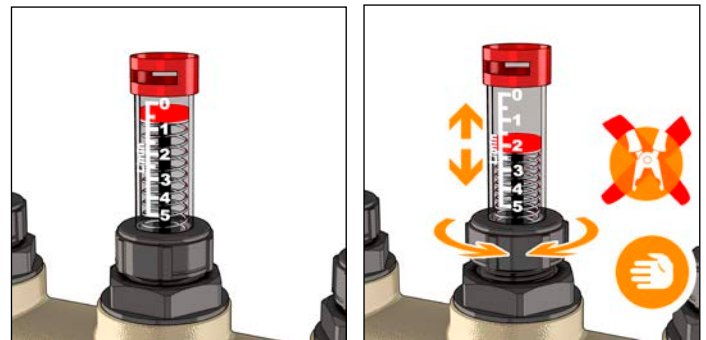


CODE	USE
CBN6646F1	for manifolds from 2 to 6 outlets
CBN6646N1	for manifolds from 7 to 12 outlets
CBN6646O1	for manifolds with 13 outlets

## FLOW METERS FOR FLOW RATE BALANCING

The flow manifold is equipped with flow meters with 0-5 l/min graduated scale and flow rate balancing valves.

Manually acting on the flow meter basis, the flow rate to the single circuits can be accurately adjusted to the required value, just by reading the value on the single flow meter.



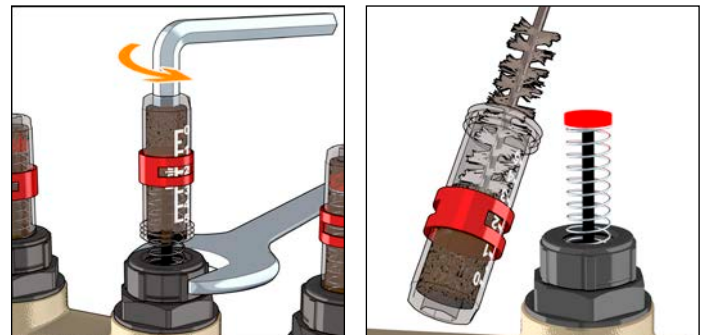
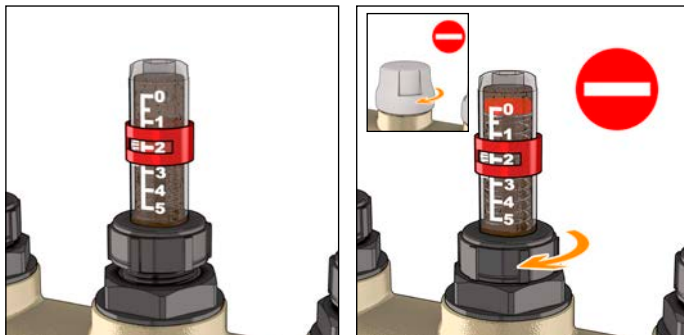
## FLOW METERS MAINTENANCE AND CLEANING

1 - With the aid of the indicator, mark the reference flow rate at which the valve has been set.

2 - Manually close the flow meter using the appropriate hexagon. Also close the corresponding shut-off valve on the return manifold. In this way the circuit is isolated.

3 - Remove the transparent cap with graduated scale using an hexagonal key, while holding the lower hexagon with a wrench.

4 - Clean the transparent cap by using water if necessary.



### REFERENCE DOCUMENTS:

664 series Technical brochure 01260



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WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS TO THE PRODUCTS AND RELATED DATA IN THIS PUBLICATION, AT ANY TIME AND WITHOUT PRIOR NOTICE.

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