

# R585CS



Water  
Management

## Modular manifolds in nickel-plated brass, for domestic water, outlets 3/4"E

Datasheet  
1139EN 02/2024



Modular manifolds in nickel-plated brass for domestic water, with shut-off cocks, Connection threads perfectly phased for state-of-the-art alignment of the manifolds, and O-Ring seal. The manifolds include handwheels with plates for identification of the various usage points. Optionally, end caps, ball valves and cabinet can be ordered to complete the manifolds.

### ► Versions and product codes

PRODUCT CODE	CONNECTIONS MANIFOLD x OUTLETS	N. OF OUTLETS
R585CSX122	G 3/4" x 3/4"E	2
R585CSX123		3
R585CSX124		4
R585CSX142	G 1" x 3/4"E	2
R585CSX143		3
R585CSX144		4

#### Completion codes

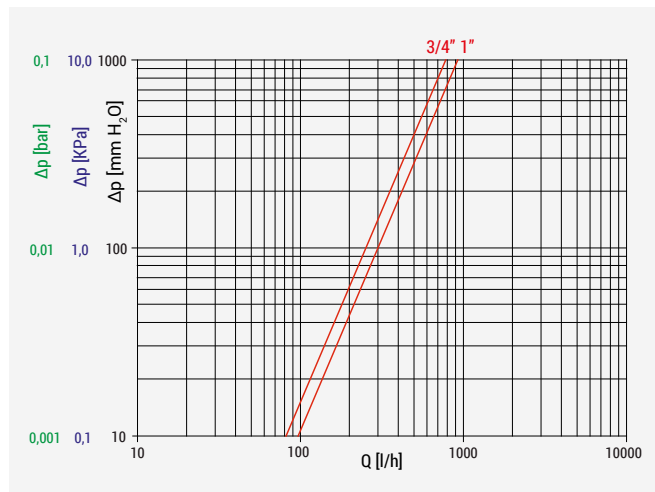
- R599: plastic cabinet with lid, depth 90 mm
- R598K: pair of plastic supports for R599 cabinet
- R584: plastic cabinet with lid and supports, depth 86 mm
- R592DCS: end plug in chrome-plated brass, male thread
- R594CS: end cap in chrome-plated brass, female thread
- R179E: 3/4"E adaptors for plastic or multilayer pipes
- R178E: 3/4"E adaptors for copper pipes
- RM179E: multi-jaw straight press fitting for plastic or multilayer pipes with 3/4"E nut
- Shut-off ball valves

## Technical data

### Characteristics

- Fluid: water, glycol solution (max 30 % of glycol)
- Temperature range: 5÷110 °C
- Max working pressure: 10 bar
- Outlets center distance: 40 mm
- Shut-off cocks with manual handwheel

### Loss of pressure



### Materials

- Manifold body: CW617N - UNI EN 12165 nickel-plated brass
- Seal O-Ring: EPDM
- Stopper: CW614N - UNI EN 12164 nickel-plated brass
- Handwheel: ABS
- Handwheel plates: aluminum

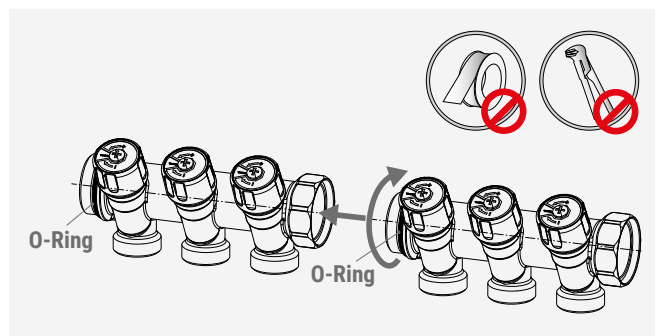
PRODUCT CODE	SIZE	Kv
R585CSX122 R585CSX123 R585CSX124	G 3/4"	2,54
R585CSX142 R585CSX143 R585CSX144	G 1"	2,95

## Installation

**WARNING.** Installation must be carried out by qualified operators according to the instructions provided.

**WARNING.** Before assembling the manifolds, lubricate the EPDM O-Ring with an appropriate lubricant.

### Assembling the manifold



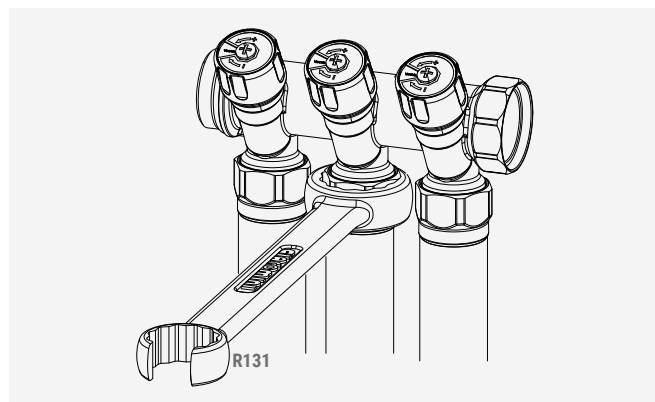
The modular manifolds (available with 2 or 4 outlets) are provided disassembled.

Screw them all the way through to assemble them.

**Thread phasing provides state-of-the-art alignment of the manifolds.**

The O-Ring on the male thread ensures proper sealing with no need to use hemp or PTFE.

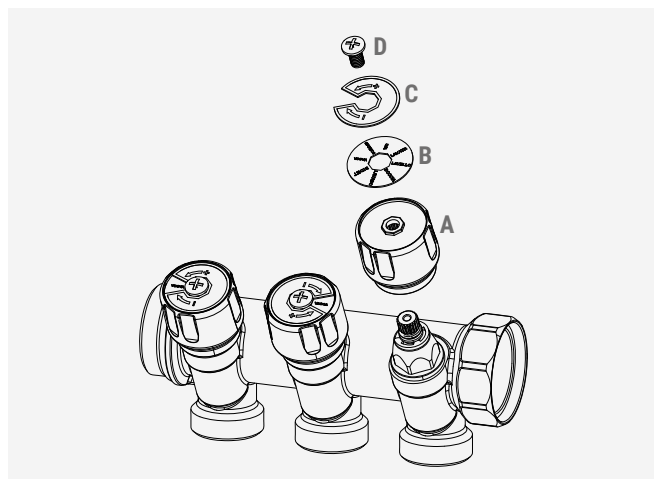
### Connecting the adaptors



The 40-mm center distance of the outlets enables to also use compression-fitting adaptors for 20-mm plastic or multilayer pipes (R179EX027).

Tighten the adaptors with the R131Y004 wrench.

## Installing the handwheel plates

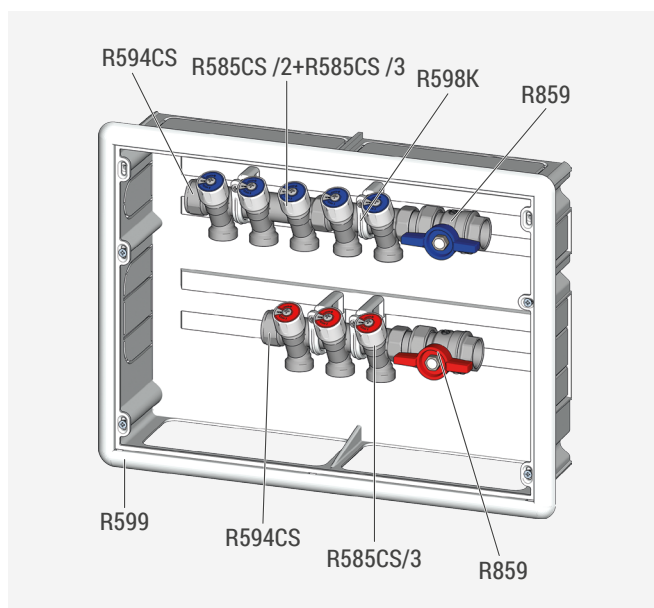


The handwheels (A) are connected to the shut-off cock with a screw (D) and include two metal plates:

- plate (B) shows the corresponding usage point (eg. shower, basin, etc.);
- plate (C) goes over plate (B) and features a blue side and a red side to promptly identify if hot or cold domestic water is flowing through the manifold.

This enables to streamline the quantity of stocked products.

## Installation in R599 cabinet



The assembly of the manifolds inside the R599 cabinet using the appropriate R598K sliding supports is carried out using horizontal guide rails, and therefore without constraints on positioning. In addition, by taking advantage of the large openings in the lower part of the cabinet, users can easily install manifolds with different center distances.

The cabinet door can be opened without the need of special tools, with a view to enabling rapid intervention to be carried out on the shut-off cocks, whilst closure is maintained by the solid joints attached to the surface of the frame.

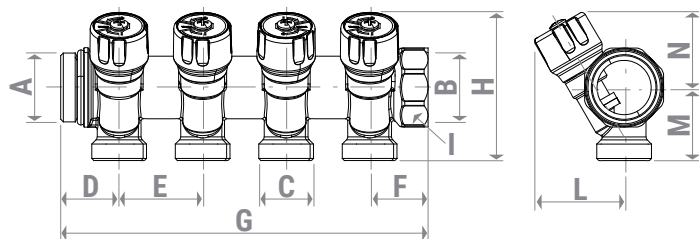
The example image shows the R585CS manifolds with R594CS end caps and R859 ball valves, installed in the R599 cabinet.

For cold domestic water are used two R585CS manifolds with 2 and 3 outlets, mounted in series with each other.

For hot domestic water is used a R585CS manifold with 3 outlets.

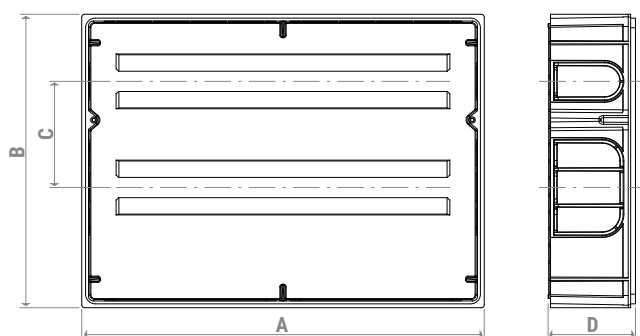
## ➤ Dimensions

### R585CS



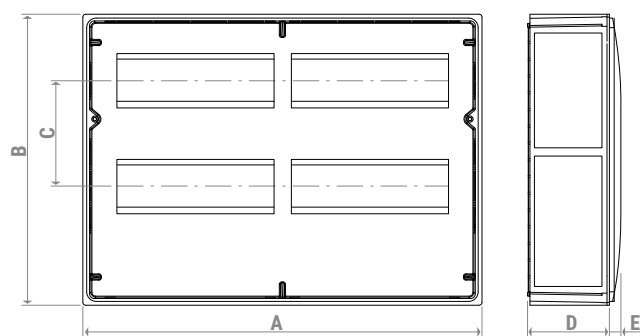
PRODUCT CODE	N. OF OUTLETS	A	B	C	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	I [mm]	L [mm]	M [mm]	N [mm]
R585CSX122	2							92					
R585CSX123	3	G 3/4" M	G 3/4" F	3/4" E	26,5	40	25,5	132	69	wr.31	40	34	35
R585CSX124	4							172					
R585CSX142	2							92					
R585CSX143	3	G 1" M	G 1" F	3/4" E	28	40	28	132	69	wr.38	40	34	35
R585CSX144	4							172					

### R599



PRODUCT CODE	A [mm]	B [mm]	C [mm]	D [mm]
R599Y001	417	304	110	90

### R584





PRODUCT CODE	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
R584Y101	347	290	110	90	15
R584Y102	427	290	110	90	15
R584Y103	527	290	110	90	15
R584Y104	627	290	110	90	15


## Product specifications

### R585CS

Modular manifolds with shut-off cocks for domestic systems, in nickel-plated brass. Connections: G 3/4" x 3/4"E or G 1" x 3/4"E. Available with 2, 3 or 4 outlets. Connection threads perfectly phased for state-of-the-art alignment of the manifolds, and O-Ring seal. Handwheels with usage point identification plates included. Fluid: water, glycol solution (max 30 % of glycol). Temperature range: 5÷110 °C. Max working pressure: 10 bar. Outlets center distance: 40 mm. Manifold body: CW617N - UNI EN 12165 nickel-plated brass. Seal O-Ring: EPDM. Handwheel: ABS. Handwheel plates: aluminum. Stopper: CW614N - UNI EN 12164 nickel-plated brass.

 **Safety Warning.** Installation, commissioning and periodical maintenance of the product must be carried out by qualified operators in compliance with national regulations and/or local standards. A qualified installer must take all required measures, including use of Individual Protection Devices, for his and others' safety. An improper installation may damage people, animals or objects towards which Giacomini S.p.A. may not be held liable.

 **Package Disposal.** Carton boxes: paper recycling. Plastic bags and bubble wrap: plastic recycling.

 **Additional information.** For more information, go to [giacomini.com](http://giacomini.com) or contact our technical assistance service. This document provides only general indications. Giacomini S.p.A. may change at any time, without notice and for technical or commercial reasons, the items included herewith. The information included in this technical sheet do not exempt the user from strictly complying with the rules and good practice standards in force.

 **Product Disposal.** Do not dispose of product as municipal waste at the end of its life cycle. Dispose of product at a special recycling platform managed by local authorities or at retailers providing this type of service.