

## Simple modular manifolds with easy to fit fittings

### CP

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#### Function

Simple modular manifolds with shut-off valves can practically and easily be connected with each other. The peculiarity of these manifolds is that all inner surfaces are yellow (i.e. raw), so as to comply with Italian regulation D.M. 174/2004 on the transport of drinking water. The built-in manual valves allow to make each single circuit autonomous.

The available models feature 2 to 4 outlets with G 3/4 and G 1" main connections and W24x19" male, G3/4 Eurokonus, G1/2 male e G1/2 female secondary connections.

All the manifolds undergo a metal stress relieving treatment in order to eliminate any tension caused by working process.

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#### Technical data

Max. working pressure:	10 bar
Max. differential pressure:	1 bar
Max. working temperature:	120 °C
Working fluids:	water in compliance with UNI 8065:2019

#### Materials

Body:	CW 617 N – DW UNI-EN 12165:2016
Obturator:	CW 614 N – DW UNI-EN 12164:2016
Gaskets:	Peroxide cured EPDM
Knob:	RAL9016 white ABS

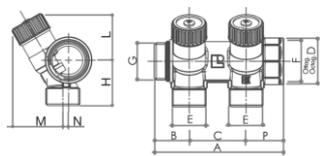
#### Surface treatment

Nickel-plating (only external)

## Dimensional Drawings

### CP 432/FR

Two-way manifolds with shut-off valves. W24x19 lateral male connections  
Copper and plastic pipe W24x19



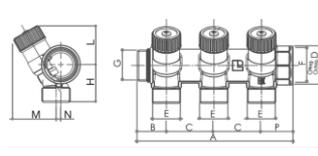
Code	Size	A	B	C	D
68512702FR	G 3/4 x (W24x19)	91	24.5	40	31
68513402FR	G 1" x (W24x19)	91.5	24.5	40	38

Code	Size	E	F	G	H
68512702FR	G 3/4 x (W24x19)	W24x19	G3/4	G3/4	32
68513402FR	G 1" x (W24x19)	W24x19	G1"	G1"	34

Code	Size	L	M	N	P
68512702FR	G 3/4 x (W24x19)	34	36	4	26.5
68513402FR	G 1" x (W24x19)	36	40	3	27

### CP 433/FR

Three-way manifolds with shut-off valves. W24x19 lateral male connections  
Copper and plastic pipe W24x19



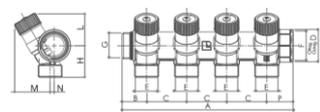
Code	Size	A	B	C	D
68512703FR	G 3/4 x (W24x19)	131	24.5	40	31
68513403FR	G 1" x (W24x19)	131.5	24.5	40	38

Code	Size	E	F	G	H
68512703FR	G 3/4 x (W24x19)	W24x19	G3/4	G3/4	32
68513403FR	G 1" x (W24x19)	W24x19	G1"	G1"	34

Code	Size	L	M	N	P
68512703FR	G 3/4 x (W24x19)	34	36	4	26.5
68513403FR	G 1" x (W24x19)	36	40	3	27

### CP 434/FR

Four-way manifolds with shut-off valves. W24x19 lateral male connections  
Copper and plastic pipe W24x19



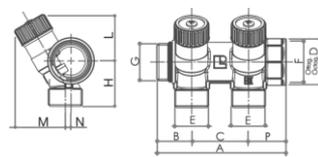
Code	Size	A	B	C	D
68512704FR	G 3/4 x (W24x19)	171	24.5	40	31
68513404FR	G 1" x (W24x19)	171.5	24.5	40	38

Code	Size	E	F	G	H
68512704FR	G 3/4 x (W24x19)	W24x19	G3/4	G3/4	29
68513404FR	G 1" x (W24x19)	W24x19	G1"	G1"	32.5

Code	Size	L	M	N	P
68512704FR	G 3/4 x (W24x19)	34	36	4	26.5
68513404FR	G 1" x (W24x19)	36	40	3	27

### CP 452/FR

Two-way manifolds with shut-off valves. G3/4 Eurokonus lateral male connections  
Copper and plastic pipe G3/4 Eurokonus



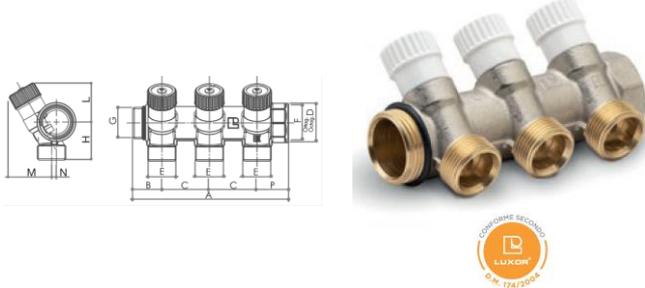
Code	Size	A	B	C	D
68512802FR	G 3/4 x G 3/4 Ek	91	24.5	40	31
68513502FR	G 1" x G 3/4 Ek	91.5	24.5	40	38

Code	Size	E	F	G	H
68512802FR	G 3/4 x G 3/4 Ek	G3/4Ek	G3/4	G3/4	32
68513502FR	G 1" x G 3/4 Ek	G3/4Ek	G1"	G1"	34

Code	Size	L	M	N	P
68512802FR	G 3/4 x G 3/4 Ek	34	36	4	26.5
68513502FR	G 1" x G 3/4 Ek	36	40	3	27

### CP 453/FR

Three-way manifolds with shut-off valves. G3/4 Eurokonus lateral male connections  
Copper and plastic pipe G3/4 Eurokonus



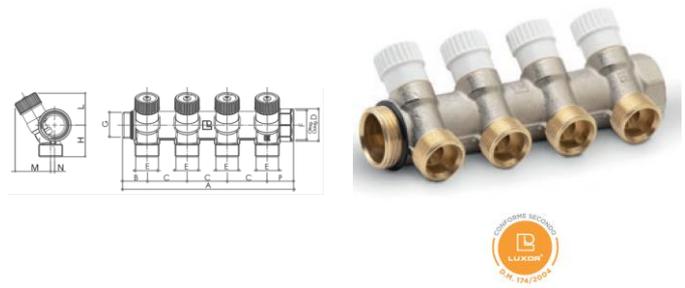
Code	Size	A	B	C	D
68512803FR	G 3/4 x G 3/4 Ek	131	24.5	40	31
68513503FR	G 1" x G 3/4 Ek	131.5	24.5	40	38

Code	Size	E	F	G	H
68512803FR	G 3/4 x G 3/4 Ek	G3/4Ek	G3/4	G3/4	32
68513503FR	G 1" x G 3/4 Ek	G3/4Ek	G1"	G1"	34

Code	Size	L	M	N	P
68512803FR	G 3/4 x G 3/4 Ek	34	36	4	26.5
68513503FR	G 1" x G 3/4 Ek	36	40	3	27

### CP 454/FR

Four-way manifolds with shut-off valves. G3/4 Eurokonus lateral male connections  
Copper and plastic pipe G3/4 Eurokonus



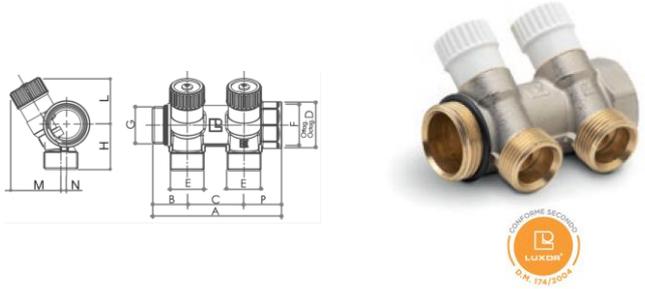
Code	Size	A	B	C	D
68512804FR	G 3/4 x G 3/4 Ek	171	24.5	40	31
68513504FR	G 1" x G 3/4 Ek	171.5	24.5	40	38

Code	Size	E	F	G	H
68512804FR	G 3/4 x G 3/4 Ek	G3/4Ek	G3/4	G3/4	32
68513504FR	G 1" x G 3/4 Ek	G3/4Ek	G1"	G1"	34

Code	Size	L	M	N	P
68512804FR	G 3/4 x G 3/4 Ek	34	36	4	26.5
68513504FR	G 1" x G 3/4 Ek	36	40	3	27

### CP 462/FR

Two-way manifolds with shut-off valves. G1/2 lateral male connections  
Copper and plastic pipe G1/2



Code	Size	A	B	C	D
68512602FR	G 3/4 x G 1/2	91	24.5	40	31
68513302FR	G 1" x G 1/2	91.5	24.5	40	38

Code	Size	E	F	G	H
68512602FR	G 3/4 x G 1/2	G1/2	G3/4	G3/4	32
68513302FR	G 1" x G 1/2	G1/2	G1"	G1"	34

Code	Size	L	M	N	P
68512602FR	G 3/4 x G 1/2	34	36	4	26.5
68513302FR	G 1" x G 1/2	36	40	3	27

### CP 463/FR

Three-way manifolds with shut-off valves. G1/2 lateral male connections  
Copper and plastic pipe G1/2



Code	Size	A	B	C	D
68512603FR	G 3/4 x G 1/2	131	24.5	40	31
68513303FR	G 1" x G 1/2	131.5	24.5	40	38

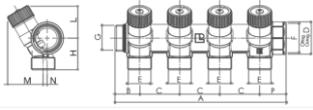
Code	Size	E	F	G	H
68512603FR	G 3/4 x G 1/2	G1/2	G3/4	G3/4	32
68513303FR	G 1" x G 1/2	G1/2	G1"	G1"	34

Code	Size	L	M	N	P
68512603FR	G 3/4 x G 1/2	34	36	4	26.5
68513303FR	G 1" x G 1/2	36	40	3	27

## CP 464/FR

Four-way manifolds with shut-off valves. G1/2 lateral male connections

Copper and plastic pipe G1/2



Code	Size	A	B	C	D
68512604FR	G 3/4 x G 1/2	171	24.5	40	31
68513304FR	G 1" x G 1/2	171.5	24.5	40	38

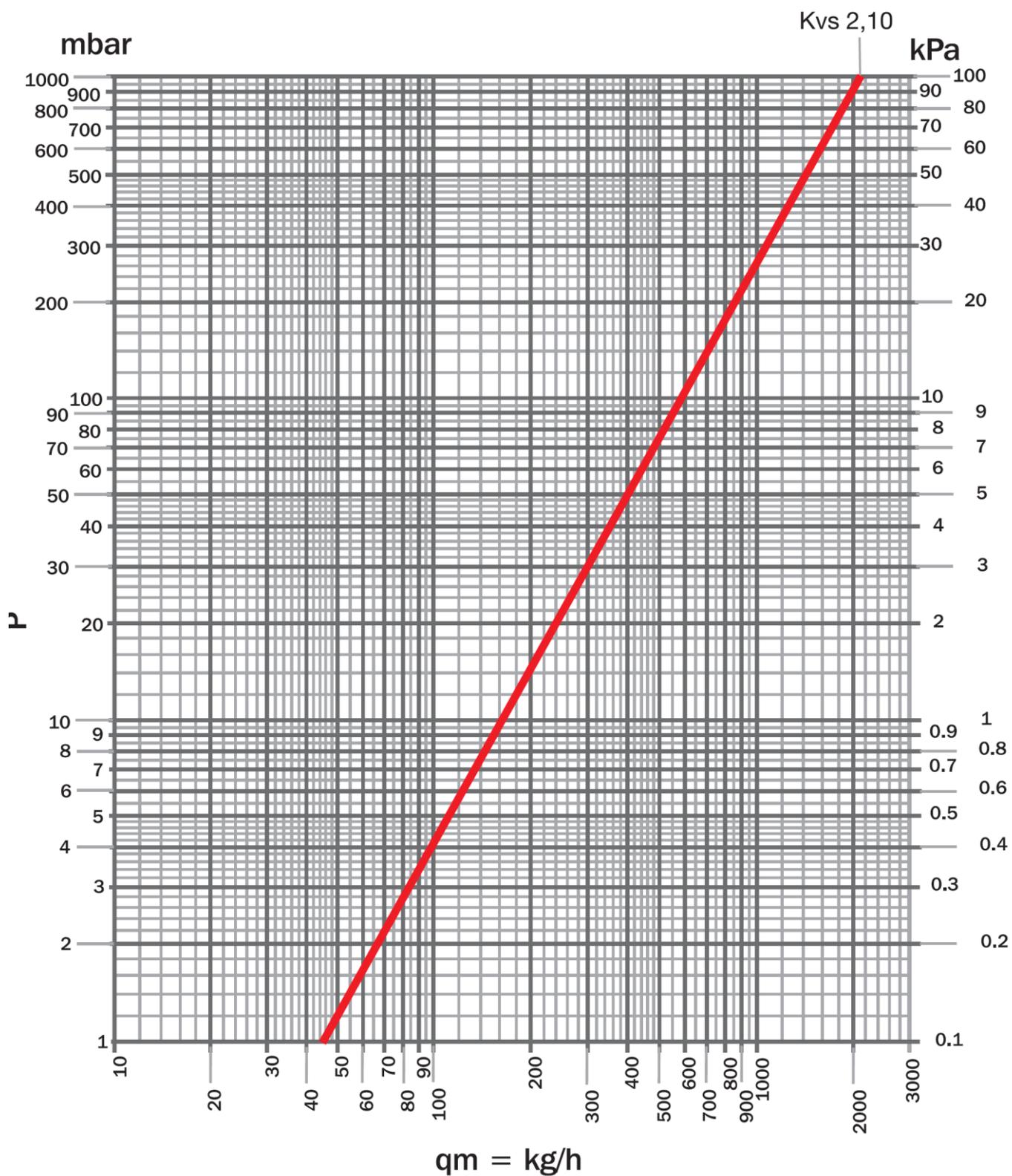
  

Code	Size	E	F	G	H
68512604FR	G 3/4 x G 1/2	G1/2	G3/4	G3/4	32
68513304FR	G 1" x G 1/2	G1/2	G1"	G1"	34

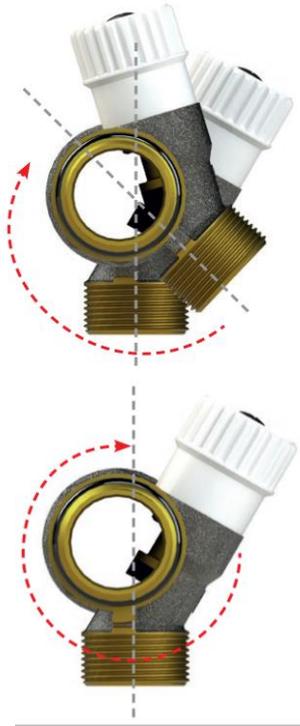
Code	Size	L	M	N	P
68512604FR	G 3/4 x G 1/2	34	36	4	26.5
68513304FR	G 1" x G 1/2	36	40	3	27

# Hydraulic Characteristic



Curve	Turns	Kv	Items
1	All open	2.10	-

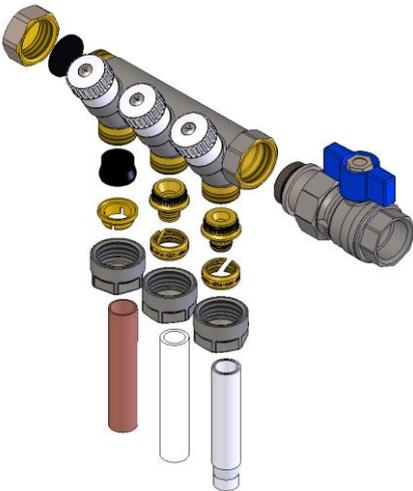
## Working Instructions



### AUTOMATIC ALIGNEMENT

Manifolds series CP with special threads can be connected in a very easy and intuitive way. Thanks to their special threads manifolds series CP are always aligned and their tightness is guaranteed by an O-ring.

Therefore these manifolds do not require any other intermediate sealing element (PTFE, hemp, etc.) and their installation is quicker.



Use only components compatible with the manifold.

The plastic, copper or multilayer pipes can be connected to all the manifolds above quoted with the fittings TP or TR.

An excessive use of insulating material could cause a breakage of the manifolds.



The manifolds are supplied with flat head white handles, it is possible to apply on these the stickers supplied in each package, identifying both the temperature of the water distributed by the manifold and the outlet terminal connected to each exit.

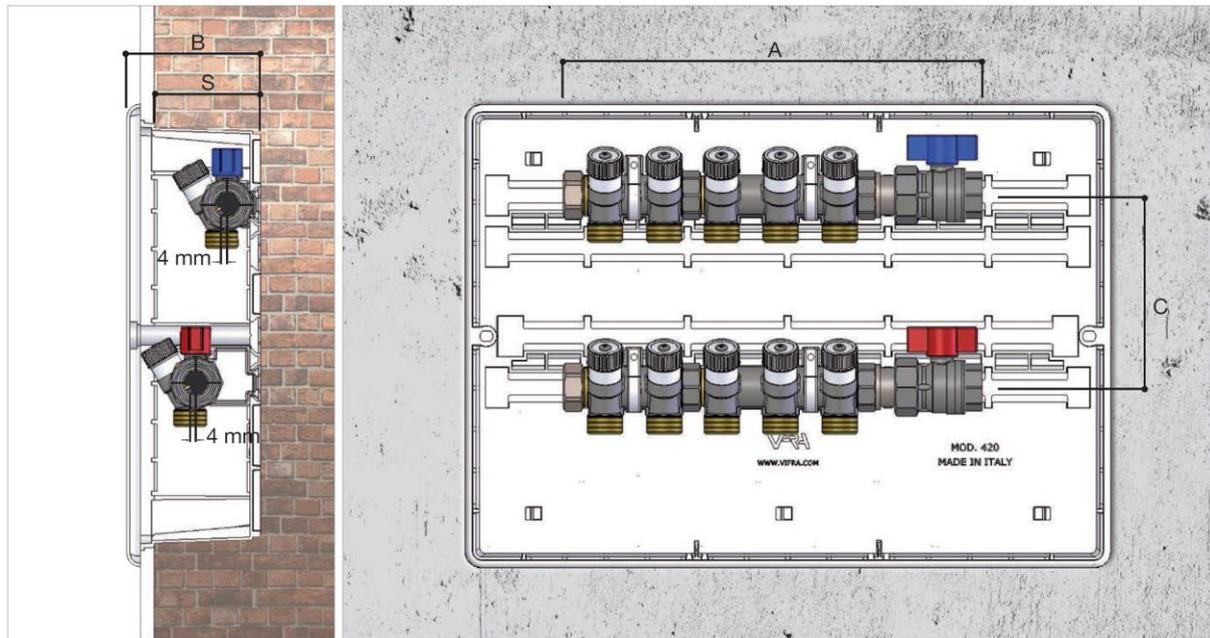


It is possible to use metal plates to identify the utilities (these are supplied separately code: :6801615).

For a correct assembly of the markers chose if you want to show the red side or the blue side of the plate. The plate has a small window through which it is possible to read the utility supplied by the manifold. Place the metal printed insert of the red/blue plate in a way that the distribution terminal can be visible through the window, see picture.

Once the positioning of the marker is finished, fix the metal plates to the white handle with the screw place on the handle.

## Compatible Cabinets



### CF 477

Ways no.	Diameter	A	B	C	S	Cabinets	Dimensions
2	G3/4	167	100	110	86		
3	G3/4	207	100	110	86	68560432	272x332x86
4	G3/4	247	100	110	86		
3+2	G3/4	288	100	110	86	68560440	272x412x86
3+3	G3/4	328	100	110	86		
3+4	G3/4	368	100	110	86	68560450	272x512x86
4+4	G3/4	408	100	110	86		
2	G1"	177	100	110	86	68560432	272x332x86
3	G1"	217	100	110	86		
4	G1"	257	100	110	86		
3+2	G1"	298	100	110	86	68560440	272x412x86
3+3	G1"	338	100	110	86		
3+4	G1"	378	100	110	86	68560450	272x512x86
4+4	G1"	418	100	110	86		

### CF 479

Ways no.	Diameter	A	B	C	S	Cabinets	Dimensions
2	G3/4	167	98	140	88		
3	G3/4	207	98	140	88	68560332	290x330x88
4	G3/4	247	98	140	88		
3+2	G3/4	288	98	130	88	68560342	310x430x88
3+3	G3/4	328	98	130	88		
3+4	G3/4	368	98	150	88	68560352	330x530x88
4+4	G3/4	408	98	150	88		
2	G1"	177	98	140	88	68560332	290x330x88
3	G1"	217	98	140	88		
4	G1"	257	98	130	88		
3+2	G1"	298	98	130	88	68560342	310x430x88
3+3	G1"	338	98	130	88		
3+4	G1"	378	98	150	88	68560352	330x530x88
4+4	G1"	418	98	150	88		

## Item Specifications

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### CP 432/FR – CP 433/FR – CP 434/FR

Simple modular manifold with shut-off valves. Male/female ISO 228/1 G3/4" or G1" main connections. W24x19 secondary connections for copper, plastic and multilayer pipe. Secondary connections' interaxis 40 mm. Body in CW617N only externally nickel-plated in compliance with D.M. 174. White coloured ABS knob with stickers indicating connected devices. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

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### CP 452/FR – CP 453/FR – CP 454/FR

Simple modular manifold with shut-off valves. Male/female ISO 228/1 G3/4" or G1" main connections. 3/4"M Eurokonus secondary connections for copper, plastic and multilayer pipe. Secondary connections' interaxis 40 mm. Body in CW617N only externally nickel-plated in compliance with D.M. 174. White coloured ABS knob with stickers indicating connected devices. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

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### CP 462/FR – CP 463/FR – CP 464/FR

Collettore semplice componibile con valvole d'intercettazione. Attacchi principali da G3/4" o da G1" maschio-femmina conforme ISO 228/1. Attacco derivazioni per tubo rame, plastica e multistrato da 3/4"M. Interasse derivazioni da 40 mm. Corpo in ottone CW617N nichelato solo esternamente in conformità al D.M.174. Manopola in ABS di colore bianco con adesivi per indicazione utenze. Temperatura massima di esercizio 120 °C, pressione massima 10 bar, pressione differenziale 1 bar.

Simple modular manifold with shut-off valves. Male/female ISO 228/1 G3/4" or G1" main connections. 1/2"M secondary connections for copper, plastic and multilayer pipe. Secondary connections' interaxis 40 mm. Body in CW617N only externally nickel-plated in compliance with D.M. 174. White coloured ABS knob with stickers indicating connected devices. Max. working temperature 120 °C, max. pressure 10 bar, differential pressure 1 bar.

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