Function

Distributor four ways single-double pipe group, with two ways of connection to the pipes of the adjustable system, to receive pipes coming from the floor or from the wall. The valve is supplied in a single-pipe version, but can be converted into a pipe with a simple operation. It is also supplied with a fitting for the connection of a Ø15mm probe.

Product Range

Art.	Codice	Descrizione
875	81875AD06	Distributor for four-pipe single-pipe group. Adjustable connection paths. With external probe connection. Connection thread 24x1.5.
877	81877AD06	Distributor for four-pipe single-pipe group. Adjustable connection paths. With external probe connection. Connection thread 3/4”.
889	818896006	Chrome-plated steel probe Ø15mm x 600mm.
	818898006	Chrome-plated steel probe Ø15mm x 800mm.
	818891006	Chrome-plated steel probe Ø15mm x 1000mm.

Technical Features

Working fluids:	Water and glycol solution
Max percentage of glycol:	50%
Max working pressure:	10 Bar
Max differential pressure:	1 Bar
Fluid temperature:	5 ÷ 120°C
Valve obturator running gap:	3,5 mm

Manufacturing Features

Body, cap and pipe union: (Nichel plated details)	Brass CW617N - UNI 12165
Adjustment nut:	Brass CW617N - UNI 12164
Spring and obturator rod:	Stainless steel
Gasket:	EPDM Perox

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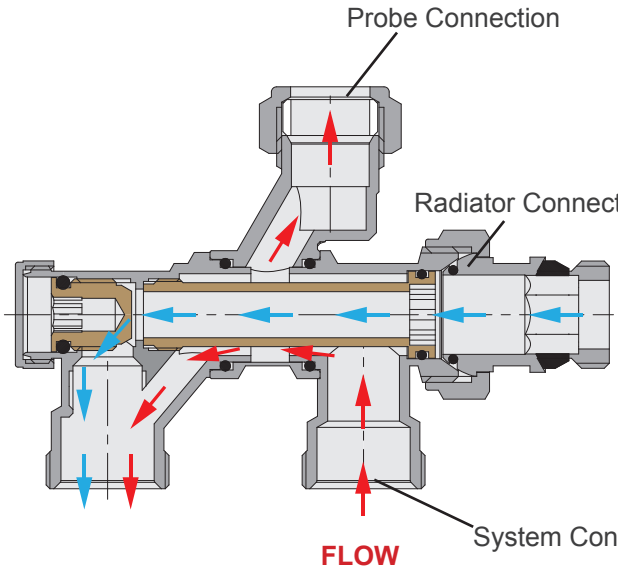
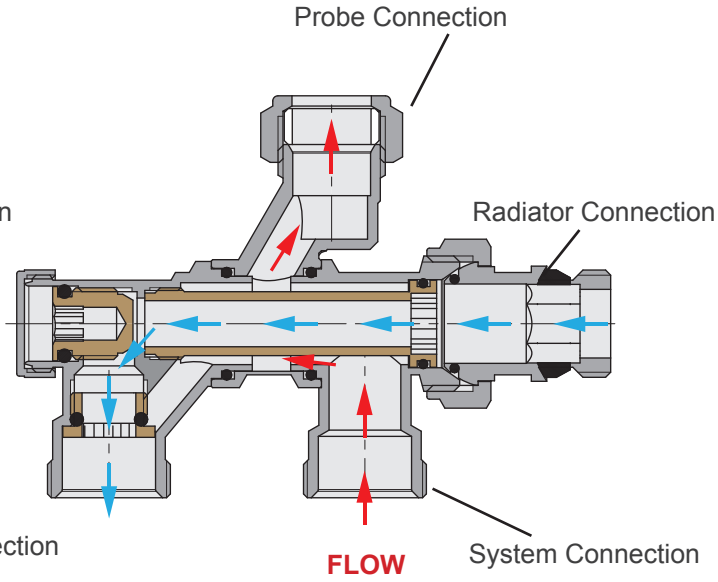
Valve Installation

The ICMA distributors must be installed in the system respecting the flow direction, which must enter from the connection part to the system and exit towards the heating body.
Attention in case of incorrect installation the following problems may arise:
- The appearance of a noise similar to a strong and continuous hammer is due to the fluid that is passed through the valve in the wrong direction, the only solution to this problem is to reverse the valve with the holder on the radiators that manifest the problem, restoring the correct direction of the fluid in the valve.
- The appearance of a sound similar to a loud hiss during modulation is due to an excessive prevalence present in the valve. To solve this problem it will be sufficient to keep the system pressure under control by providing variable speed pumps combined with differential pressure regulators, or the use of differential by-pass valves.



Single-pipe Version



Double-pipe Version

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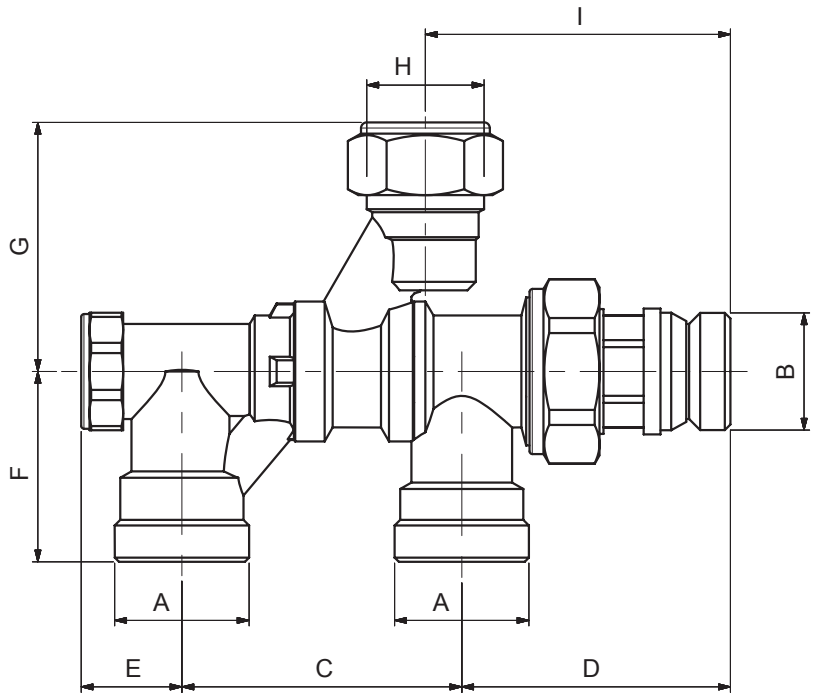
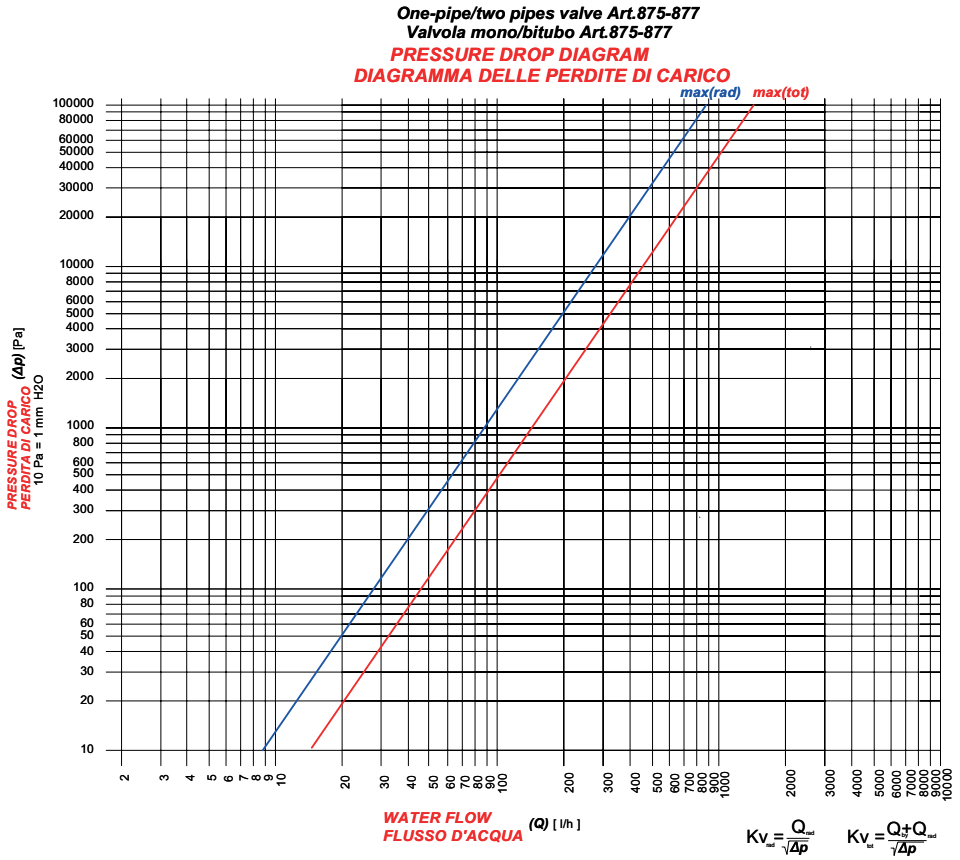
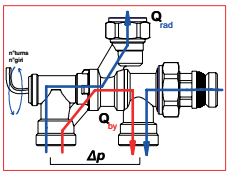
Dimensions



CODE	A	B	C	D	E	F	G	H	I
81875AD06	24x1,5	1/2”	50	48	18	34	44,5	Ø15	54,5
81877AD06	1/2”	3/4”	50	48	18	34	44,5	Ø15	54,5

Hydraulical Features





one-pipe configuration:
configurazione monotubo:

n° opening turns (bypass screw) giri in apertura (Vite bypass)	Kv_{rad} [m³/h]	Kv_{tot} [m³/h]	%Rad
0	0	0,85	0
1/2	0,25	1,05	24
1	0,41	1,17	35
1 1/2	0,51	1,26	40
2	0,59	1,32	44
2 1/2	0,63	1,35	46
3	0,67	1,38	48
3 1/2	0,70	1,40	49
max	0,71	1,42	50

two-pipes configuration:
configurazione bitubo:

n° opening turns (bypass screw) giri in apertura (Vite bypass)	Kv_{rad} [m³/h]	Kv_{tot} [m³/h]	%Rad
0	0	0	0
1/2	0,27	0,27	100
1	0,46	0,46	100
1 1/2	0,59	0,59	100
2	0,70	0,70	100
2 1/2	0,75	0,75	100
3	0,80	0,80	100
3 1/2	0,83	0,83	100
max	0,88	0,88	100

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