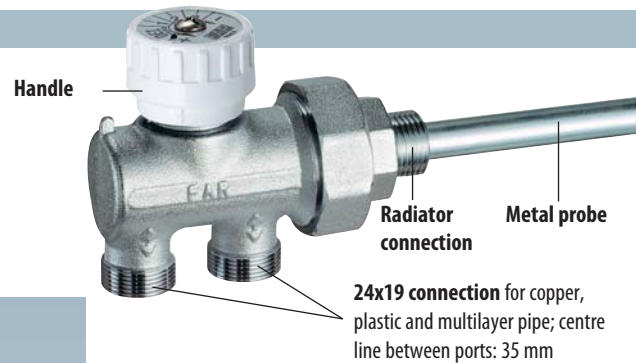


MANUAL SINGLE-PIPE VALVES

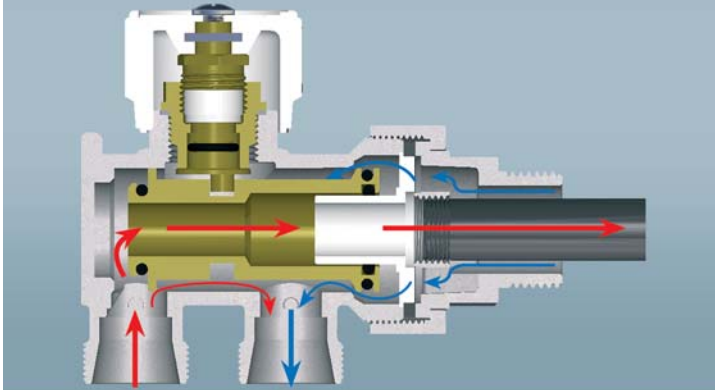
Art. 1450 - 1462 - 1472 - 1500

1. Art. 1450 "MONOSTILE" SINGLE-PIPE VALVE

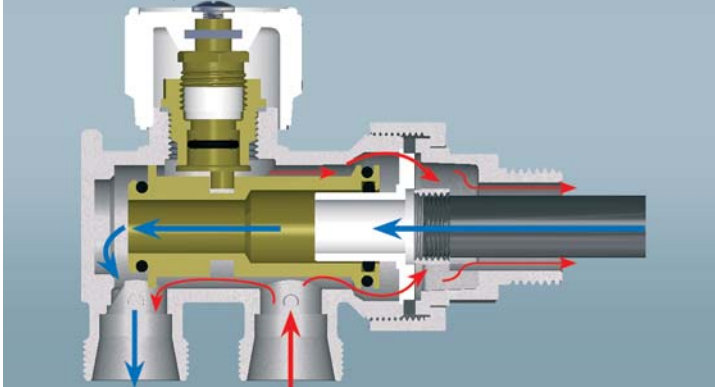
This product combines the functions of both valve and lockshield valve. It is reversible, so pipes can be connected without pre-determining flow or return. The eccentric mechanism is a FAR patent. It moves a cylindrical hollow component, which permits very low flow resistance.



Central delivery flow



Lateral delivery flow



Example of wall installation

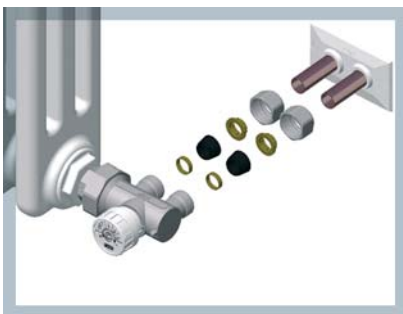


Example of floor installation

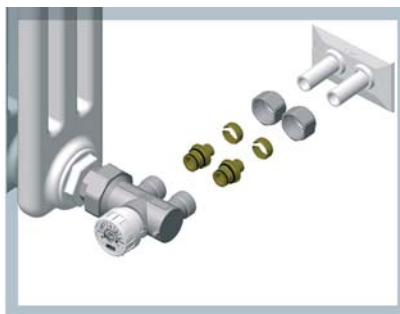


1.2 FAR INTERCHANGEABLE CONNECTIONS

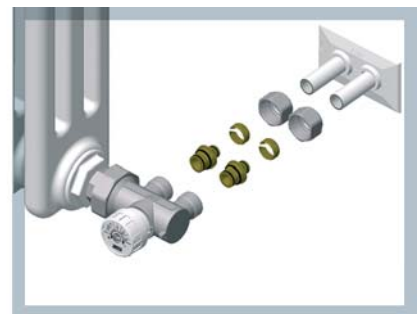
Manual single-pipe valves have an interchangeable connection for copper pipes up to 16 mm and for plastic and multilayer pipes up to 20 mm. A version is also available with a special connection for \varnothing 18 copper pipe.



Example of installation with sealing kit for copper pipe. The illustration shows the connection up to \varnothing 14 complete with a brass pipe guide washer - not needed for \varnothing 15 and \varnothing 16 mm (sealing kits).



Example of installation of adapters for plastic pipe



Example of installation of adapters for multilayer pipe

Sealing Kit

For connection to copper, plastic and multilayer pipes FAR offers a wide range of sealing kits and adapters in different sizes to match the pipe dimensions.



Art. 6052

Kit for plastic pipes with 24x19 connection. Complete with:

- Adapter for plastic pipe
- Brass ring
- Chrome-plated nut with 24x19 thread



Art. 6055

Kit for multilayer pipes with 24x19 connection. Complete with:

- Adapter for plastic pipe
- Brass ring
- Chrome-plated nut with 24x19 thread



Art. 8427

Sealing compression kit in rubber for Ø10-12-14 copper pipe. Complete with:

- Brass pipe guide washer
- Rubber compression single-taper
- Brass ring
- Chrome-plated nut with 24x19 thread



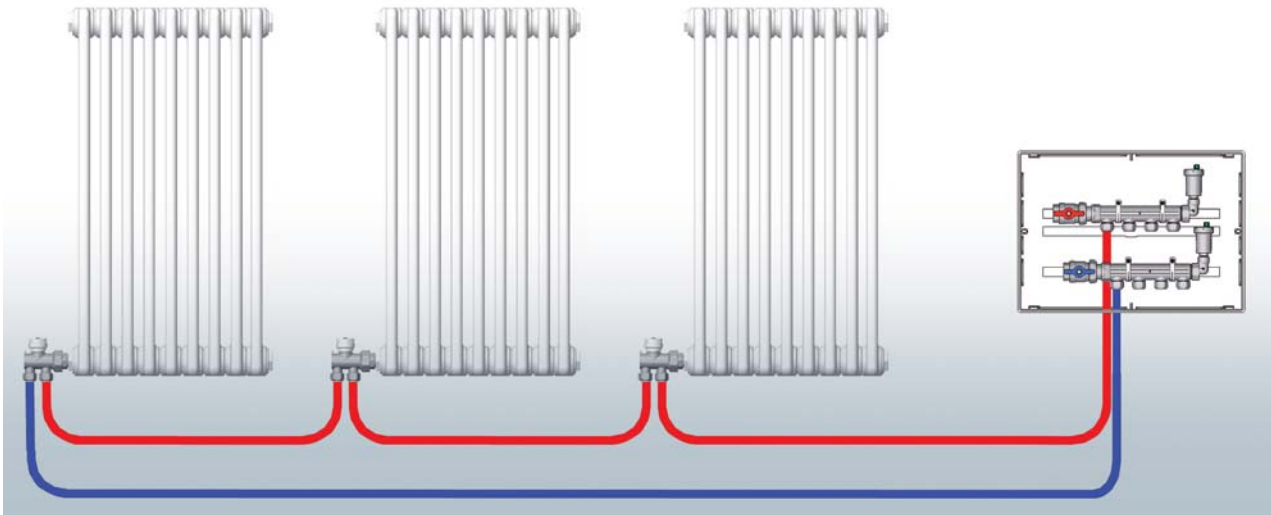
Art. 8429

Sealing compression kit in rubber for Ø15-16 copper pipe. Complete with:

- Rubber compression single-taper
- Brass ring
- Chrome-plated nut with 24x19 thread

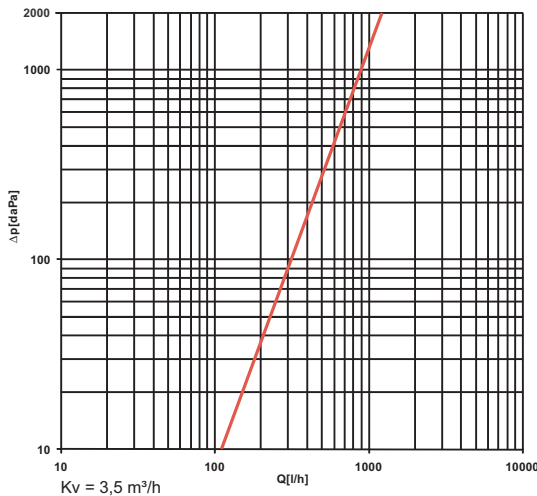
1.3 EXAMPLE OF INSTALLATION OF SINGLE-PIPE VALVES

In a single-pipe circuit flow is by-passed in series from one radiator to another, with just a single flow and a single return to the manifold housing box. The illustration shows a circuit with 3 radiators with valves Art. 1450 and flow and return manifolds installed in the box.

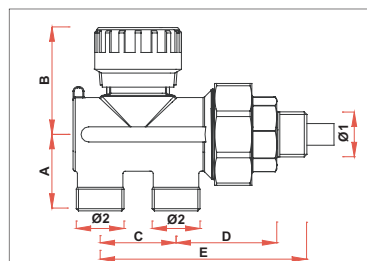


1.4 FLUID DYNAMIC, DIMENSIONAL AND TECHNICAL FEATURES

Fluid dynamic features



Dimensional features



CODE	Ø1	Ø2	A	B	C	D	E
1450 1212	G1/2	24x19	35	50	35	49	95
1450 3412	G3/4	24x19	35	50	35	49	96
1450 3414	G3/4	24x19	35	50	35	49	96
1450 114D	G1DX	24x19	35	50	35	48	98
1450 114S	G1SX	24x19	35	50	35	48	98
1500 121R	G1/2	24x19	35	50	35	49	95
1500 122R	G1/2	24x19	35	50	35	49	95

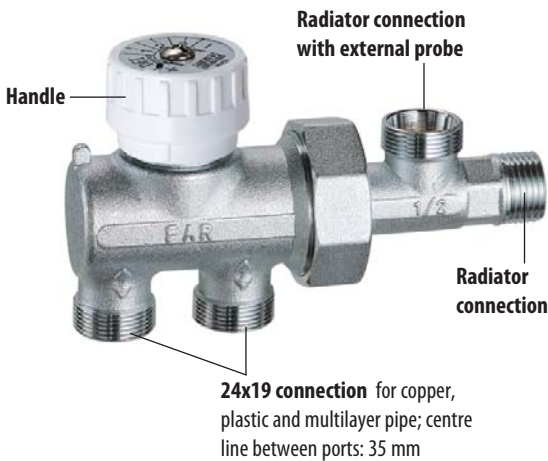
Technical features

Max. pressure:	10 bar
Max. working temperature:	95° C
Compatible fluids:	Water
Valve body:	CB753S brass
Handle:	ABS

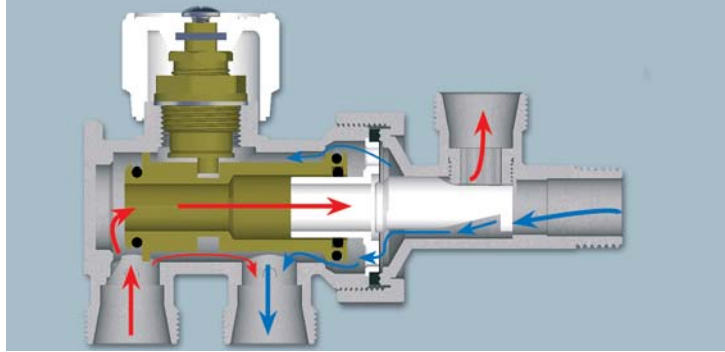
Nut and union:	CW617N brass
Small parts:	CW614N brass
Probe:	Zinc-coated steel
Gaskets, O-rings:	EPDM

2. Art. 1462 – 1472 “MONOSTILE” SINGLE-PIPE VALVES

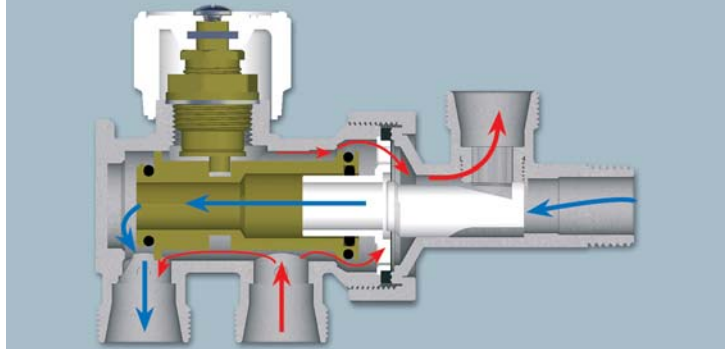
These valves have the same features as Art. 1450. The only difference is the union with connection for an external probe. Flow reversibility, as described below, is obtained by rotating the flow separator inside the union through 180°. The connection has a 24x19 thread and, it permits touse copper up to Ø 16, as external probes. The front end connection is 1/2”.



Central delivery flow - Fig. 1

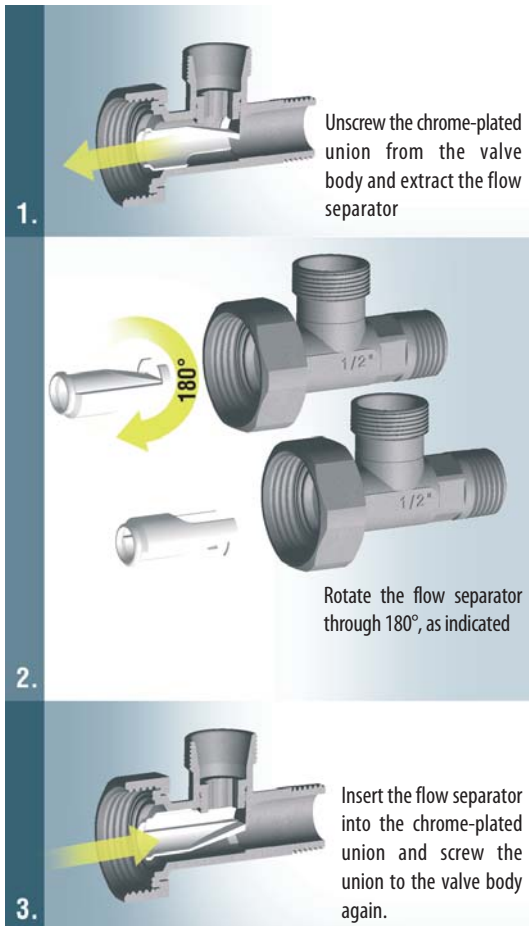


Lateral delivery flow - Fig. 2



In side delivery configuration the valve is provided with a flow separator (Fig.2). To obtain a central delivery configuration proceed as follows:

Connection with an external probe allows fluid to enter the upper part of radiator and to exit into the lower section, thus guaranteeing optimal heat distribution.



Example of wall installation Art. 1472

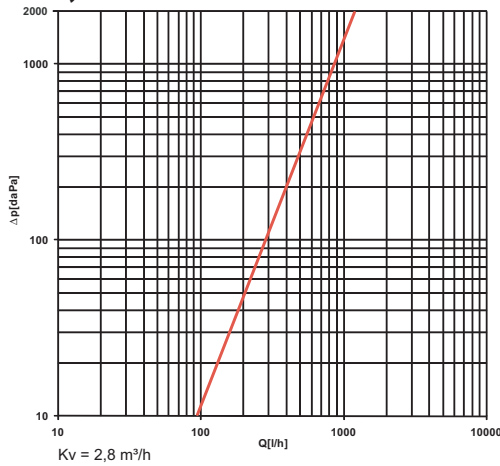


Example of wall installation Art. 1462

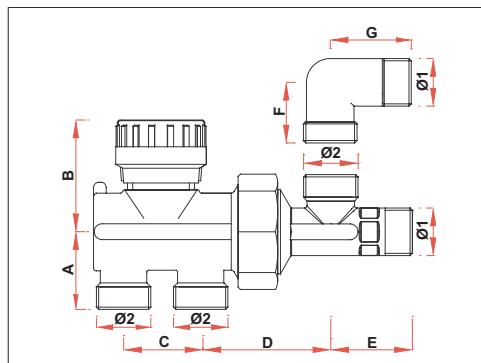


2.1 FLUID DYNAMIC, DIMENSIONAL AND TECHNICAL FEATURES

Fluid dynamic features



Dimensional features



CODE	Ø1	Ø2	A	B	C	D	E	F	G
1462 12	G1/2	24x19	35	50	35	56	36	-	-
1472 12	G1/2	24x19	35	50	35	56	36	27	36

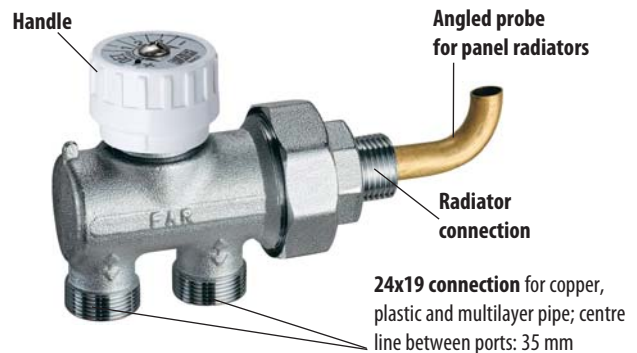
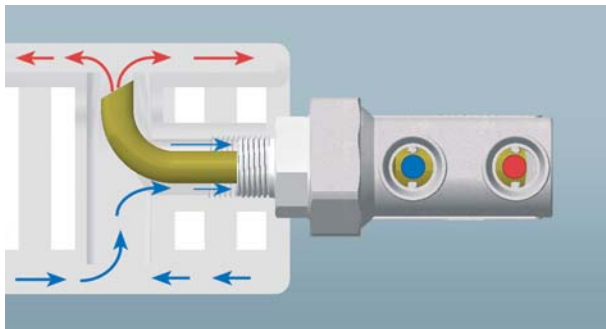
Technical features

Max. pressure:	10 bar
Max. working temperature:	95° C
Compatible fluids:	Water
Valve body:	CB753S brass

Handle:	ABS
Nut and union:	CW617N brass
Small parts:	CW614N brass
Probe:	Zinc-coated steel
Gaskets, O-rings:	EPDM

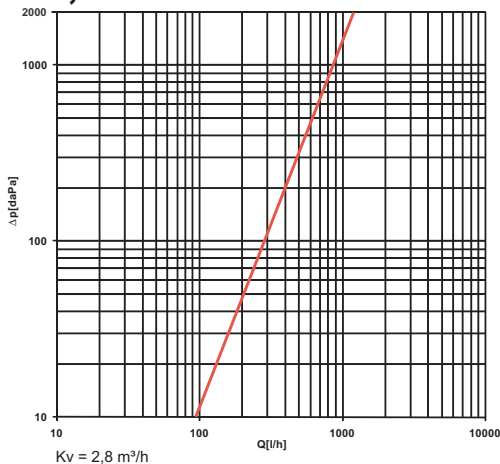
3. Art. 1500 SINGLE-PIPE VALVE with angled probe

These valves have the same features as Art. 1450. The only difference is the inner probe, which is angled instead of straight and is suitable for use on panel radiators. This valve is available with two types of angled probe: single-panel and double panel, depending on system requirements.

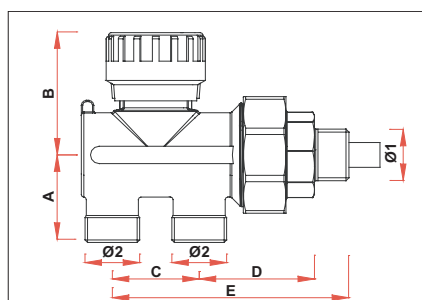


3.1 FLUID DYNAMIC, DIMENSIONAL AND TECHNICAL FEATURES

Fluid dynamic features



Dimensional features



CODE	Ø1	Ø2	A	B	C	D	E
1500 121R	G1/2	24x19	35	50	35	49	95
1500 122R	G1/2	24x19	35	50	35	49	95

Technical features

Max. pressure:	10 bar
Max. working temperature:	95° C
Compatible fluids:	Water
Valve body:	CB753S brass

Handle:	ABS
Nut and union:	CW617N brass
Small parts:	CW614N brass
Probe:	Zinc-coated steel
Gaskets, O-rings:	EPDM