

Function

The manual valves 887 offer possibility to be reversible and can be used on radiator systems with single-pipe ring type.

The valves can be installed only through the lower radiator connection, which is used both as fluid inlet and outlet.



Manufacturing features

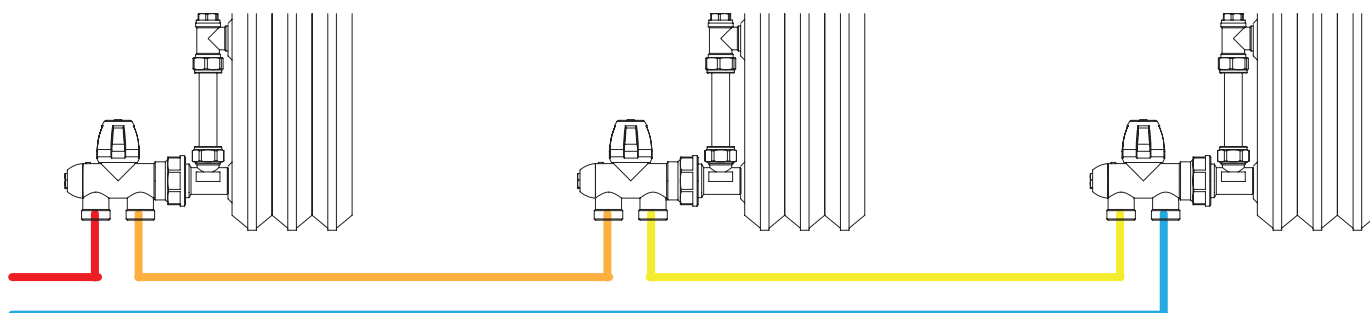
Body:	Brass CW617N UNI EN 12165
Lock ring:	Brass CW617N UNI EN 12164
Obturator:	Brass CW617N UNI EN 12164
Rod:	Brass CW617N UNI EN 12164
Stop ring:	Bronze phosphorus
Obturator guide:	Acet. CV 25%
Knob:	ABS white
Screw:	Steel
Cup:	Brass CW617N UNI EN 12165
Pipe union:	Brass CW617N UNI EN 12165
Probe assembly:	Various - see ST (856-891)
Gasket:	EPDM perox

Technical Features

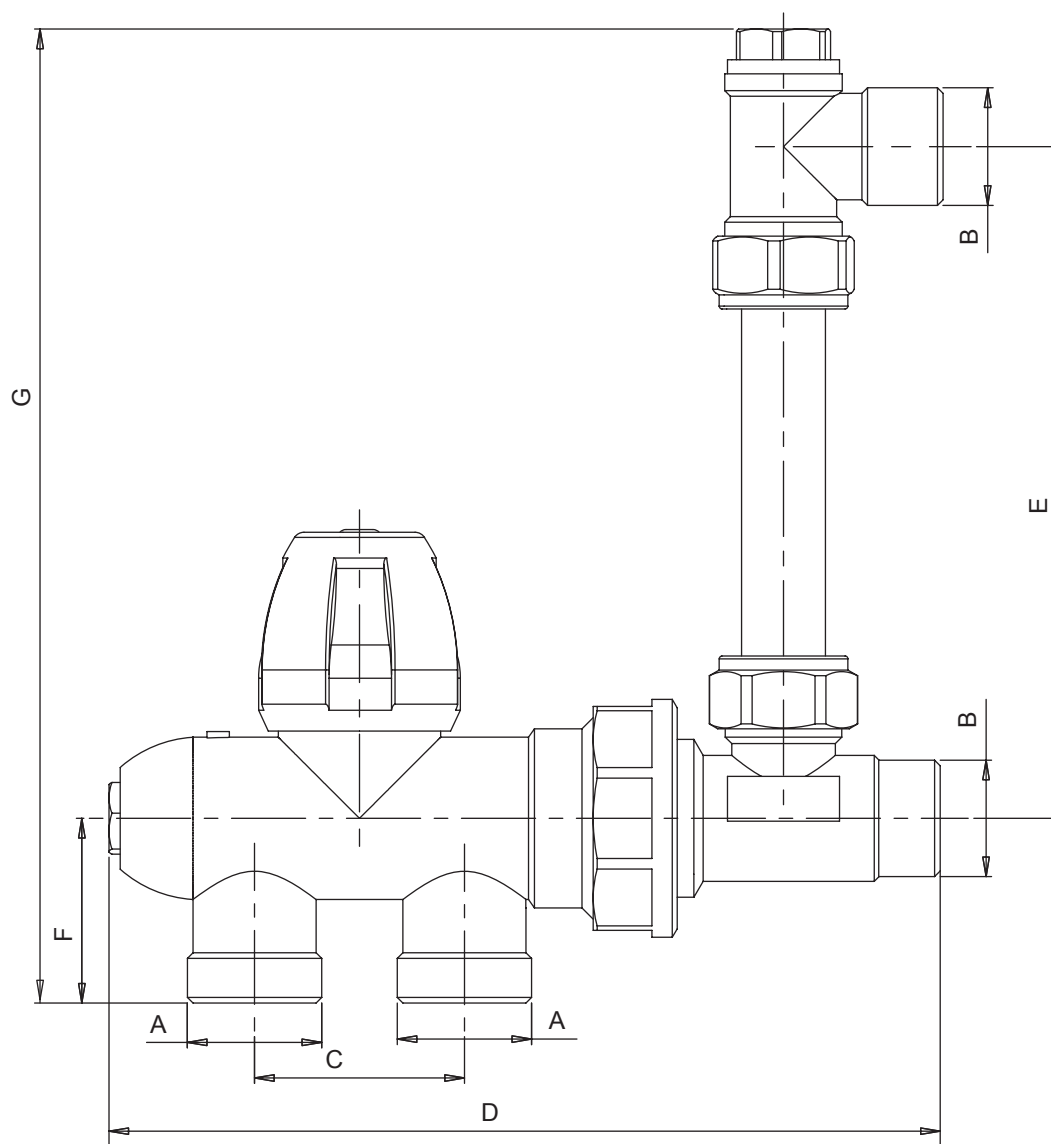
Working fluids:	water and glycol sol.
Max percentage of glycol:	30%
Max working pressure:	10 bar
Max differential pressure:	1 bar
Max working temperature:	100°C
Max flow to radiator:	60%

Operating Principle

In single-pipe systems, the radiators are connected in series, with respect to each manifold derivation. However, the 887 series valves, set up for this type of system, send only 60% of the flow to the radiator, while the remaining part of fluid is bypassed and routed to the next radiator. In this way the radiators can be intercepted individually (for exclusion or maintenance), allowing the functioning of the radiators installed further downstream.



Dimensions

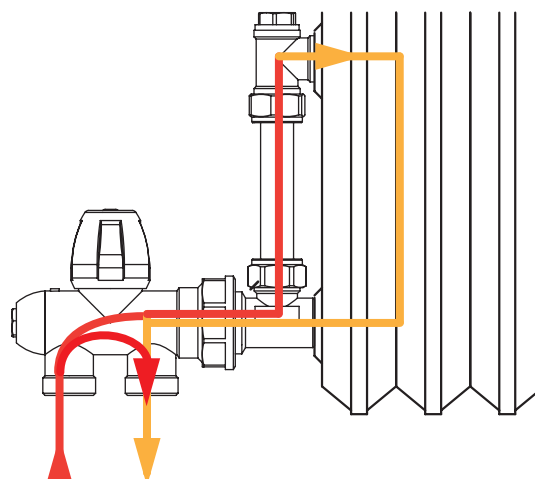
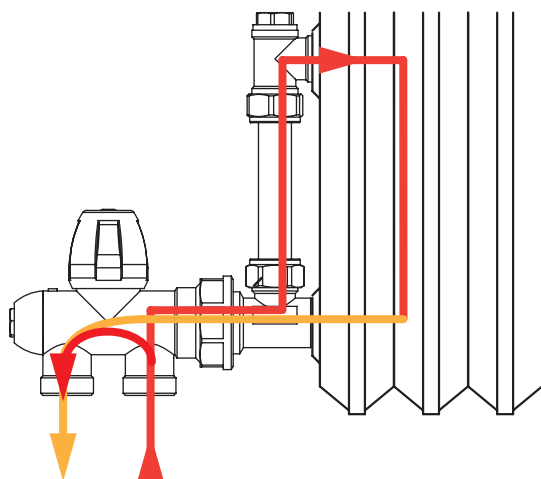


SERIE	CODE	A	B	C	D	E	F	G
887	81887AD06	M24x1,5	G1/2"	37,5	148,5	120	33	174

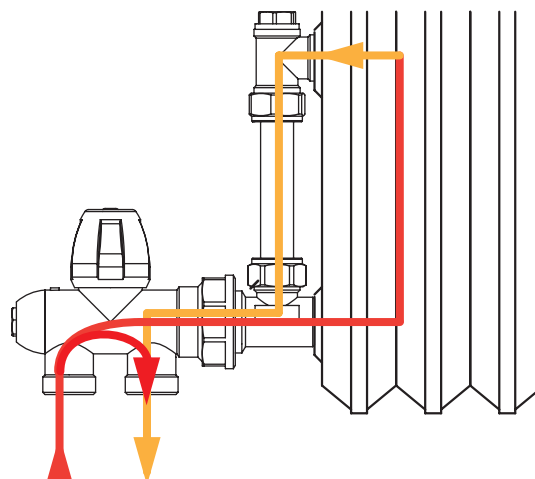
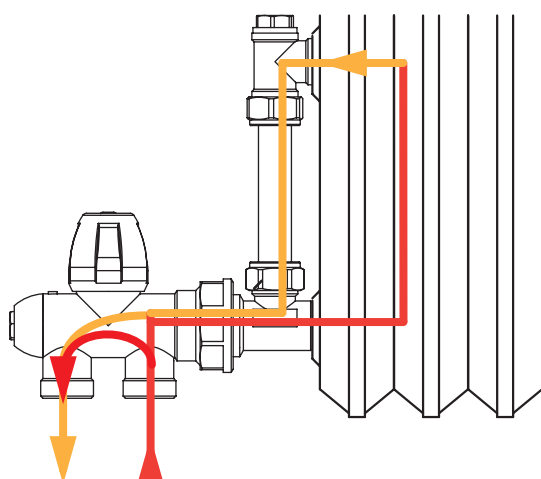
Flow Direction Change

This series of valves is equipped with a system that allows the heat transfer fluid to be directed on the horizontal or vertical path by means of a plastic key (supplied inside the package) which allows to change the flow direction inside the radiator (see figures below).

Thermovector Flow Vertical Way



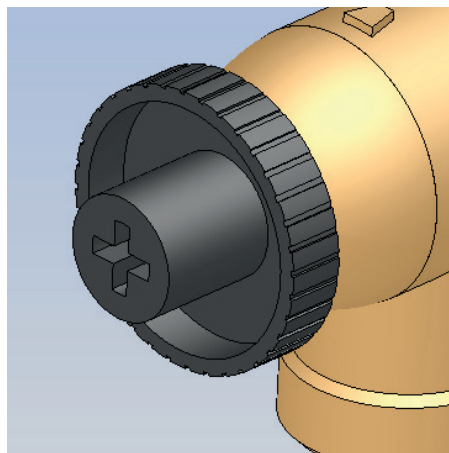
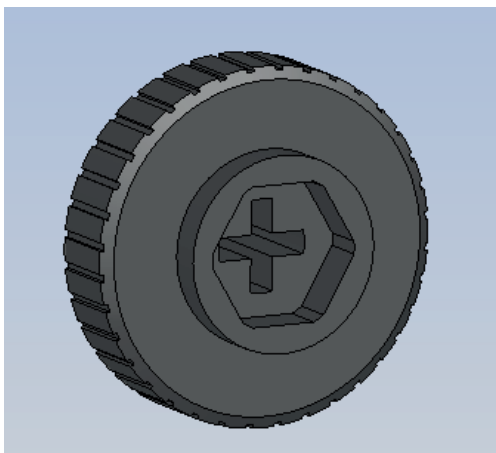
Thermovector Flow Horizontal Way



To reverse the flow direction, follow the following step by step instructions.

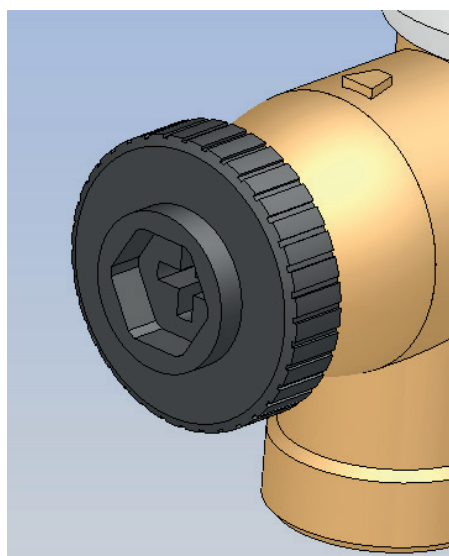
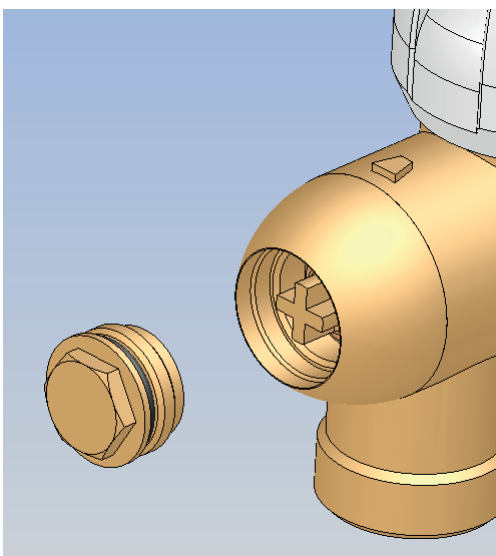
Use the supplied plastic key and place the hexagon socket part on the cap located outside the radiator.

Unscrew the cap completely.



Remove the cap.
Then place the opposite side of the key (female cross profile) on the inside of the valve.

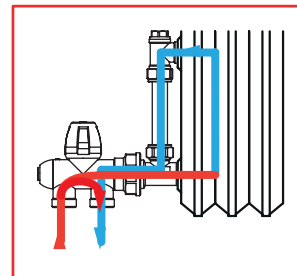
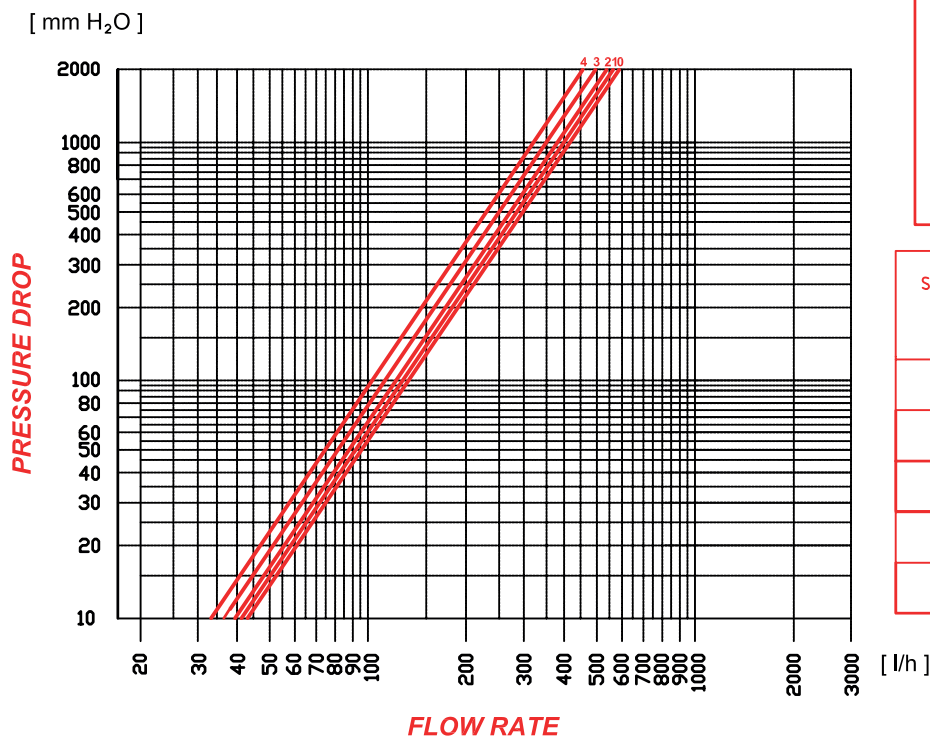
Turn clockwise 90 ° to direct the flow vertically and anti-clockwise to direct the flow horizontally.



Pressure Loss

Single-pipe valve Art.887 ½" Cod.81887AD06

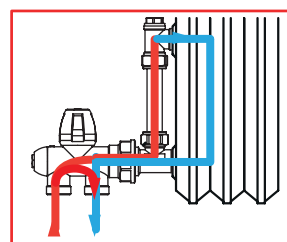
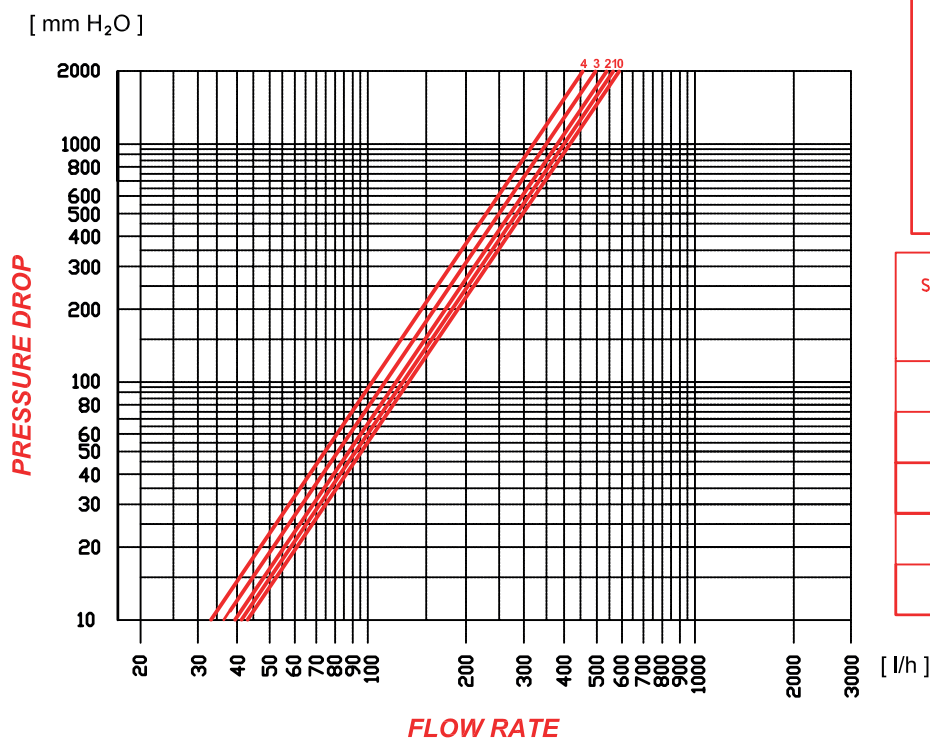
PRESSURE DROP DIAGRAM



SETTING	Kv (m ³ /h)	%Q Rad
4	0,99	41%
3	1,08	33%
2	1,26	20%
1	1,32	4%
0	1,36	0%

Single-pipe valve Art.887 ½" Cod.81887AD06

PRESSURE DROP DIAGRAM



SETTING	Kv (m ³ /h)	%Q Rad
4	1,03	32%
3	1,11	25%
2	1,22	16%
1	1,27	4%
0	1,32	0%