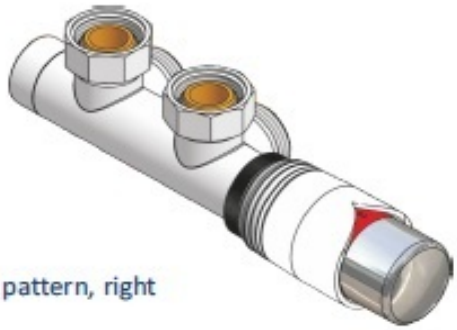
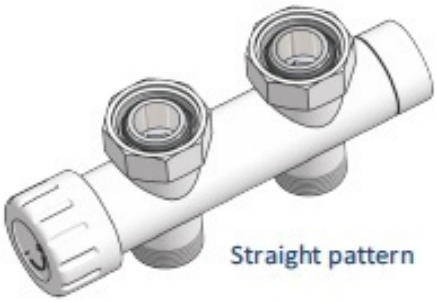
DATA SHEET – DUO-PLEX

Angle pattern, left



Angle pattern, right



Straight pattern

Duo-plex connection blocks are suitable for designer and bathroom radiators with 50mm pipe spacing and internal R1/2" or external G ¾" connection thread. The set includes a Brillant thermostatic head. Connection blocks without the thermostatic head are also available. The left or right pattern depends on the positioning of the thermostatic head either on the right or left side of the connection block. Exquisite body design of the connection block in chrome or white finish is a fine addition to a bathroom radiator. Positioning of the thermostatic head parallel to the wall within the contour of the radiator prevents it from sticking out and disturbing the people in the room.

Technical specification

Operating temperature	120°C
Nominal pressure	1 MPa
Heating medium	water
Test pressure	1,5 MPa
Kvs	0,76

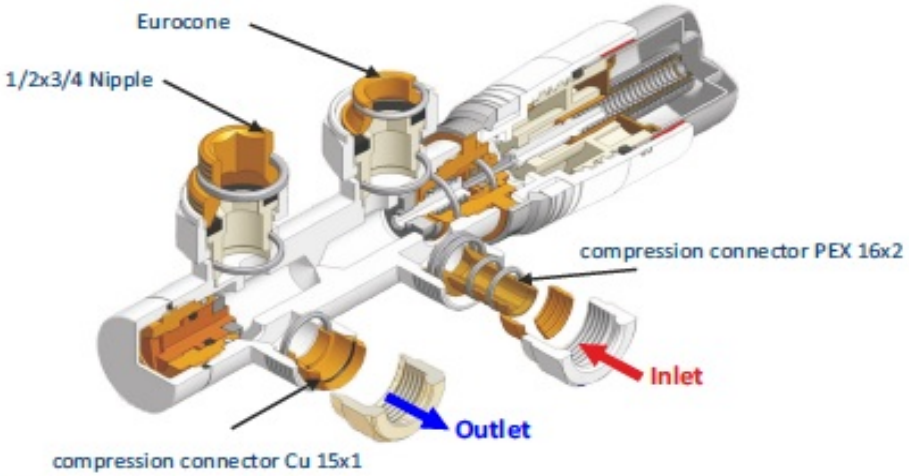
Presetting performed by step limiting.
Valve inserts may be exchanged.

Valve presetting

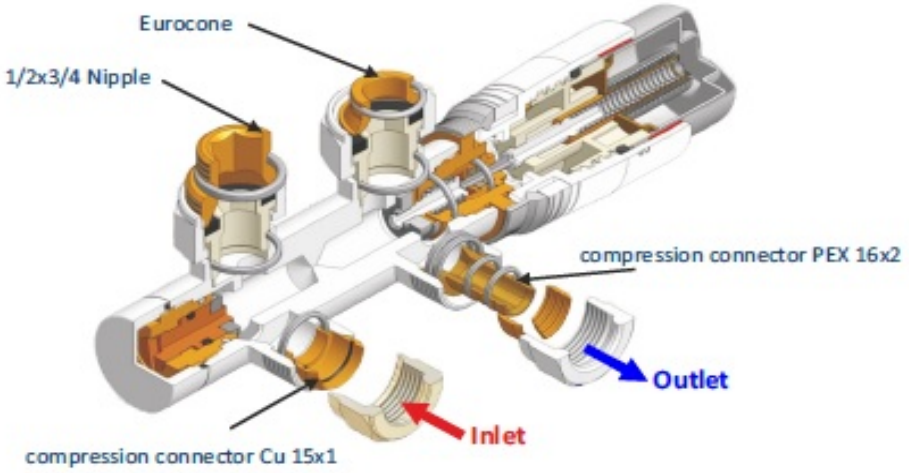
Presetting is possible with Duo-plex connection blocks. It is performed with a flat screwdriver when the protective cap of the valve insert is removed. Starting with closed valve position turn the valve cone left according to the number of turns shown on the chart below in order to reach a certain value of kV.

Duo-plex connection block construction and operation

Series 6120, 6121



Series 6020, 6021

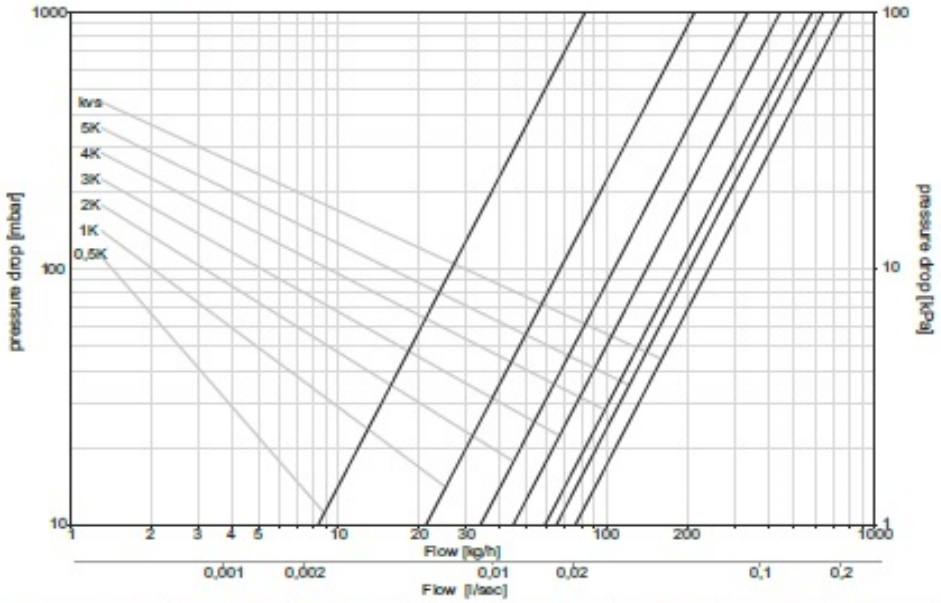


Duo-plex connection block consists of:

- brass body with the decoratively coated outer surface: white, chrome, satin, steel, antique copper, antique brass
- valve insert with thermostatic head
- valve insert of the lockshield valve
- 2 pcs. of isolation valve insert
- Compression connector for 15x1 Cu copper, 16x2 PEX, GW1/2 steel pipes
- 1/2x3/4 nipple, or no nipple depending on the radiator connection type

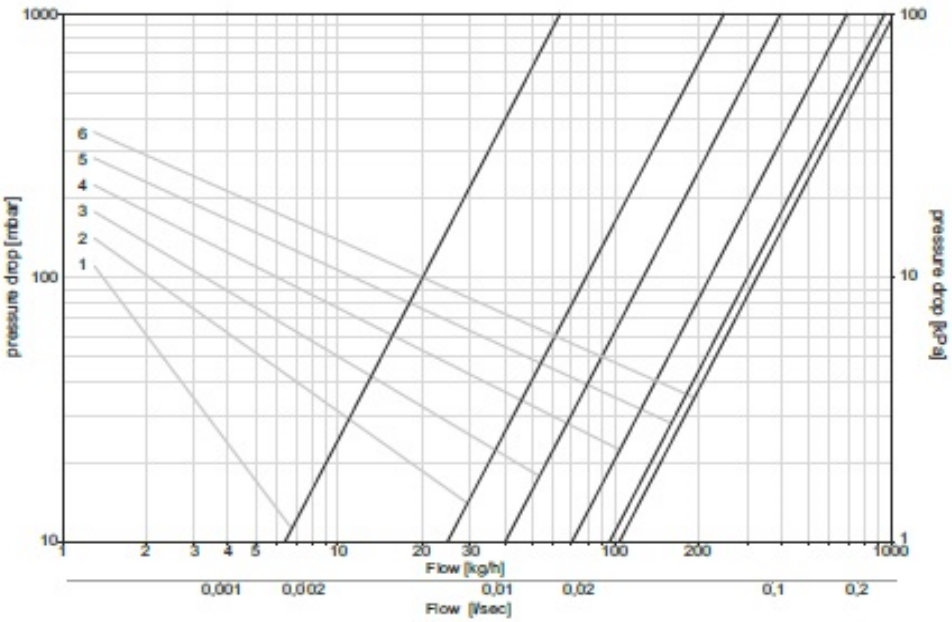
Compression connectors are separate products and are not included in the connection block. The unique feature of the connection block is the possibility of valve inserts exchange while installing the radiator whenever there is a need to change the flow direction of the heating medium. As a result of valve insert exchange the left pattern becomes right pattern and vice versa.

Flow diagram of the DUO-PLEX thermostatic valve



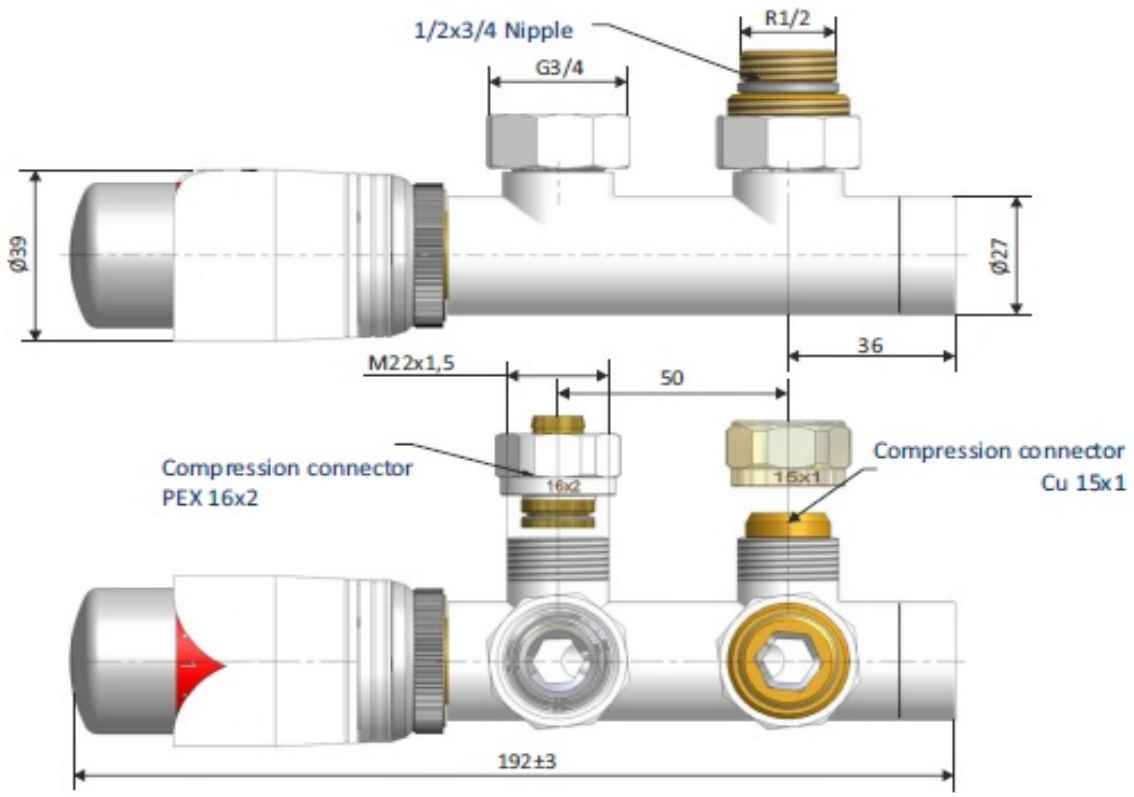
Setting (number of turns)	0,5K	1K	2K	3K	4K	5K	kvs
Kv	0,08	0,21	0,33	0,44	0,58	0,64	0,76

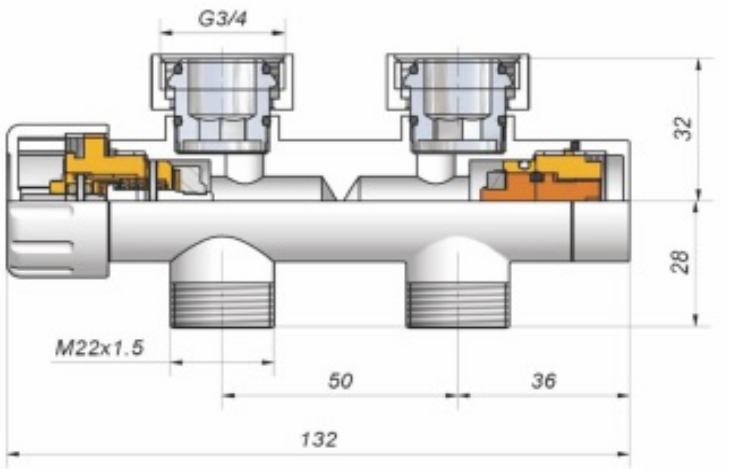
Flow diagram of the DUO-PLEX return valve



Setting (number of turns)	1	2	3	4	5	6
Kv	0,06	0,24	0,40	0,69	0,95	1,03

Dimensions


1/2x3/4 Nipple
R1/2
G3/4
Ø39
Ø27
36
M22x1,5
50
Compression connector
PEX 16x2
16x2
15x1
Compression connector
Cu 15x1
192±3


G3/4
32
28
M22x1.5
50
36
132