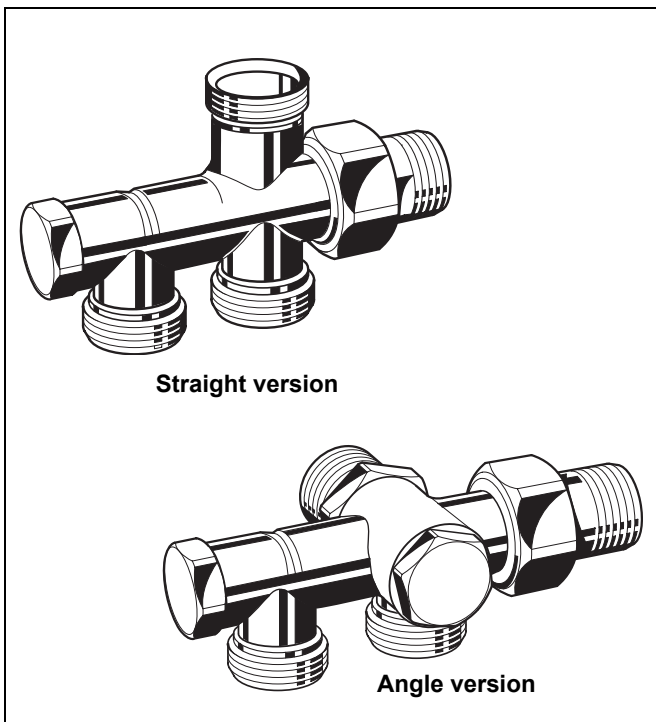


V2211, V2212 Fourway Distribution Valves

CONNECTION VALVES FOR DISTRIBUTION SYSTEMS

PRODUCT DATA



Straight version

Angle version

Design

The distribution valve consists of:

- Valve housing PN10, DN15 with G^{3/4"} external threads
- Shutoff valve insert
- Protection cap
- Union-nut and radiator tailpiece

Materials

- Valve housing made of nickel-plated brass
- Valve insert made of brass with EPDM O-rings
- Union-nut, tailpiece and cap made of nickel-plated brass

Application

Fourway distribution valves are used to connect the supply and return of a radiator to the heating loop. Individual radiators can be shutoff without affecting or interrupting the water flow of the heating loop.

By using distribution valves connections under the floor or in the wall are avoided. Angle pattern valves can be used on the left or on the right side of a radiator.

V2211 distribution valves are used for one-pipe systems and have a radiator flow share of 50%. V2212 distribution valves are used for two-pipe systems and have a radiator flow share of 100%.

Features

- No connections under the floor necessary
- Shutoff does not affect other radiators in the loop
- For 2-pipe systems
- With G ^{3/4"} (Eurocone) external threads

Specifications

Medium	Water or glycol-water mixture, according to VDI 2035
Operating temperature	2...100°C (36...212°F)
Operating pressure	PN10
k_{vs}(cv)-values	V2211: 2.7 (3.16) V2212: 1.5 (1.76)

Function

The distribution valve supplies incoming heating water to the connected riser tube and heating water returning from the radiator back into the heating loop.

The radiator is shutoff from the heating loop when the valve insert is closed. Following radiators in the heating loop are not affected by this.

Dimensions and Ordering Information

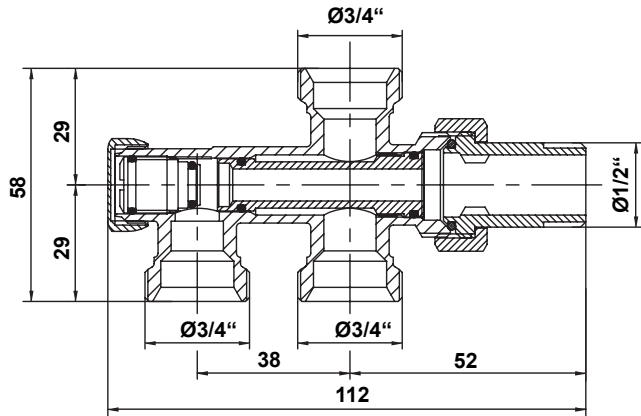


Fig. 1. Straight version

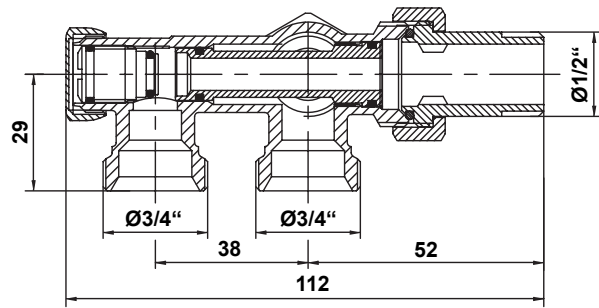


Fig. 2. Angle version

NOTE: All dimensions in mm unless stated otherwise.

Table 1. Available versions and OS-Nos (OS=Ordering Specification)

Item	Description	OS-No.
V2211X floor	Fourway distribution valve for one-pipe systems (radiator share 50%), straight version, floor connection	V2211XD0020
V2211X wall	Fourway distribution valve for one-pipe systems (radiator share 50%), angle version, wall connection	V2211XE0020
V2212X floor	Fourway distribution valve for two-pipe systems, straight version, floor connection	V2212XD0020
V2212X wall	Fourway distribution valve for two-pipe systems, angle version, wall connection	V2212XE0020

Please note:

- To avoid stone deposit and corrosion the composition of the medium should conform with VDI-Guideline 2035
- Additives have to be suitable for EPDM sealings
- System has to be flushed thoroughly before initial operation with all valves fully open
- Any complaints or costs resulting from non-compliance with above rules will not be accepted by Honeywell
- Please contact us if you should have any special requirements or needs

Accessories

Compression fitting for COPPER and STEEL pipe.
 Consisting of compression nut and compression ring.
 For valves with internal thread.



Valve size	Pipe dimension	Part number	Pcs/pack
3/8" (DN10)	10 mm	FIG3/8CS10	1
3/8" (DN10)	12 mm	FIG3/8CS12	1
1/2" (DN15)	10 mm	FIG1/2CS10	1
1/2" (DN15)	12 mm	FIG1/2CS12	1
1/2" (DN15)	14 mm	FIG1/2CS14	1
1/2" (DN15)	15 mm	FIG1/2CS15	1
1/2" (DN15)	15 mm	FIG1/2CS15-10	10
1/2" (DN15)	16 mm	FIG1/2CS16	1
3/4" (DN20)	18 mm	FIG3/4CS18	1
3/4" (DN20)	22 mm	FIG3/4CS22	1

NOTE: Support inserts have to be used for copper or soft steel pipe with 1.0 mm wall thickness. Max. operating temperature 120°C, max. operating pressure 10 bar.

Compression fitting for COPPER and SOFT STEEL pipe.
 Consisting of compression nut, compression ring and support insert.

For valves with internal thread.



Valve size	Pipe dimension	Part number	Pcs/pack
3/8" (DN10)	12 mm	FIG3/8CSS12	1
1/2" (DN15)	12 mm	FIG1/2CSS12	1
1/2" (DN15)	14 mm	FIG1/2CSS14	1
1/2" (DN15)	15 mm	FIG1/2CSS15	1
1/2" (DN15)	16 mm	FIG1/2CSS16	1
1/2" (DN15)	18 mm	FIG1/2CSS18	1
3/4" (DN20)	18 mm	FIG3/4CSS18	1

NOTE: Support inserts have to be used for copper or soft steel pipe with 1.0 mm wall thickness. Max. operating temperature 120°C, max. operating pressure 10 bar.

Compression fitting for MULTILAYER pipe.

Consisting of compression nut, compression ring and support insert.

For valves with internal thread.



Valve size	Pipe dimension	Part number	Pcs/pack
1/2" (DN15)	16 mm	FIG1/2M16X2	1

NOTE: Max. operating temperature 90°C, max. operating pressure 10 bar.

Compression fitting for COPPER and STEEL pipe.
 Consisting of one-piece (preassembled) nut.
 Soft sealing connection.

For valves with external thread G3/4".



Connection	Pipe dimension	Part number	Pcs/pack
G3/4"	10 mm	FEG3/4CS10	1
G3/4"	12 mm	FEG3/4CS12	1
G3/4"	14 mm	FEG3/4CS14	1
G3/4"	14 mm	FEG3/4CS14-10	10
G3/4"	15 mm	FEG3/4CS15	1
G3/4"	15 mm	FEG3/4CS15-10	10
G3/4"	16 mm	FEG3/4CS16	1
G3/4"	18 mm	FEG3/4CS18	1

NOTE: Reinforcing insert for copper or soft steel pipe with 1,0 mm wall thickness not required.
 Max. operating temperature 90°C, max. operating pressure 10 bar.

Compression fitting for PEX pipe.

Consisting of one-piece (preassembled) nut and reinforcing insert.

Soft sealing connection.

For valves with external thread G3/4".



Connection	Pipe dimension	Part number	Pcs/pack
G3/4"	12x1,1 mm	FEG3/4P12X1.1	1
G3/4"	16x1,5 mm	FEG3/4P16X1.5	1

NOTE: Max. operating temperature 90°C, max. operating pressure 10 bar.

Compression fitting for PEX and MULTILAYER pipe.

Consisting of one-piece nut with preassembled anti-torsion elastic compression ring and one-piece reinforcing insert.

For valves with external thread G3/4".



Connection	Pipe dimension	Part number	Pcs/pack
G3/4"	14x2 mm	FEG3/4PM14X2	1
G3/4"	16x2 mm	FEG3/4PM16X2	1
G3/4"	16x2 mm	FEG3/4PM16X2-10	10
G3/4"	16x2.2 mm	FEG3/4PM16X2.2	1
G3/4"	17x2 mm	FEG3/4PM17X2	1
G3/4"	17x2 mm	FEG3/4PM17X2-10	10
G3/4"	18x2 mm	FEG3/4PM18X2	1
G3/4"	18x2 mm	FEG3/4PM18X2-10	10
G3/4"	20x2 mm	FEG3/4PM20X2	1

NOTE: Max. operating temperature 90°C, max. operating pressure 10 bar.

Chrome-plated precision steel riser tube



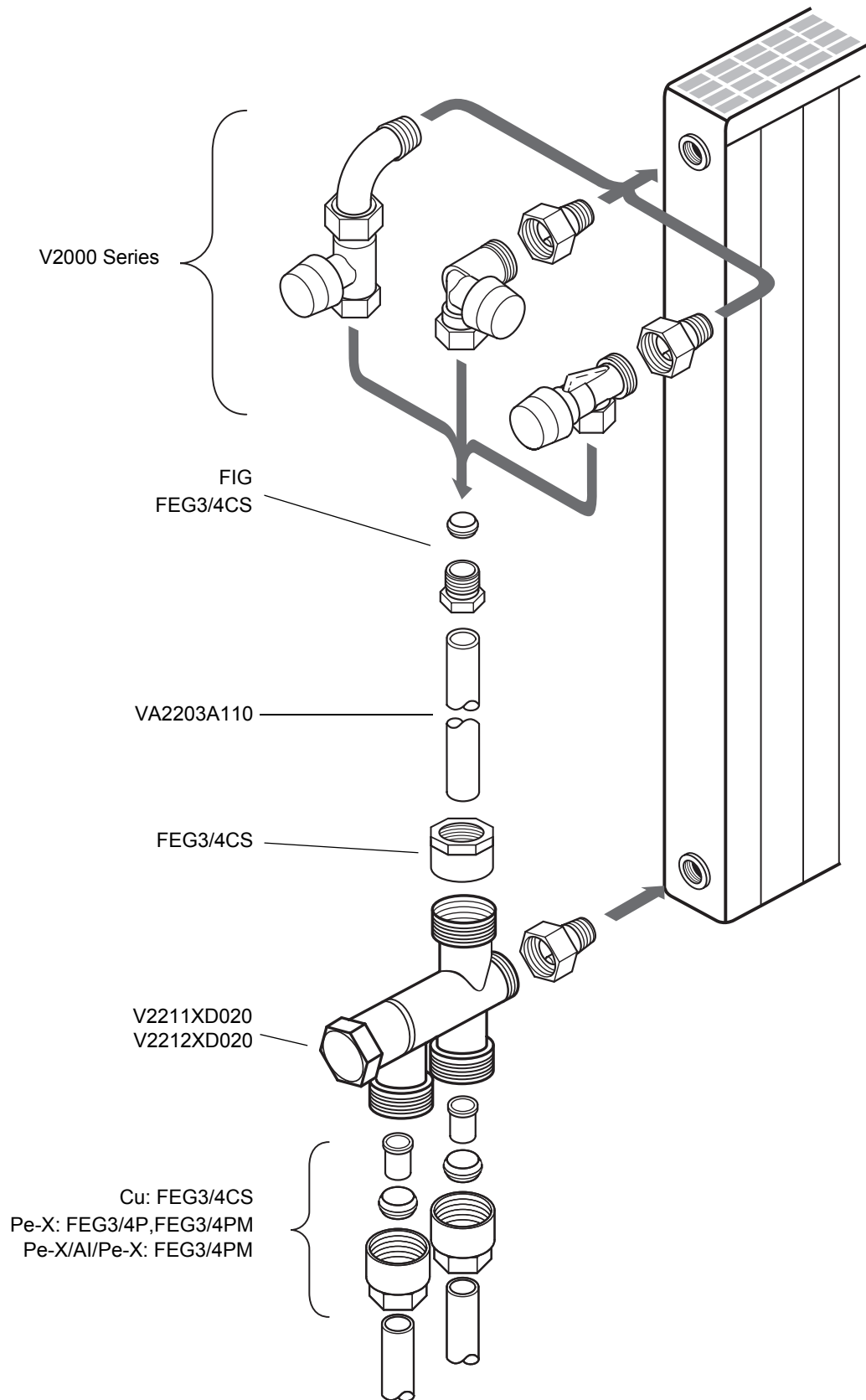
15 x 1 mm, length 1.100 mm VA2203A110

Pressure cap – for shutting off valves on radiator outlet



for valve DN15 VA2202A015

Application overview



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