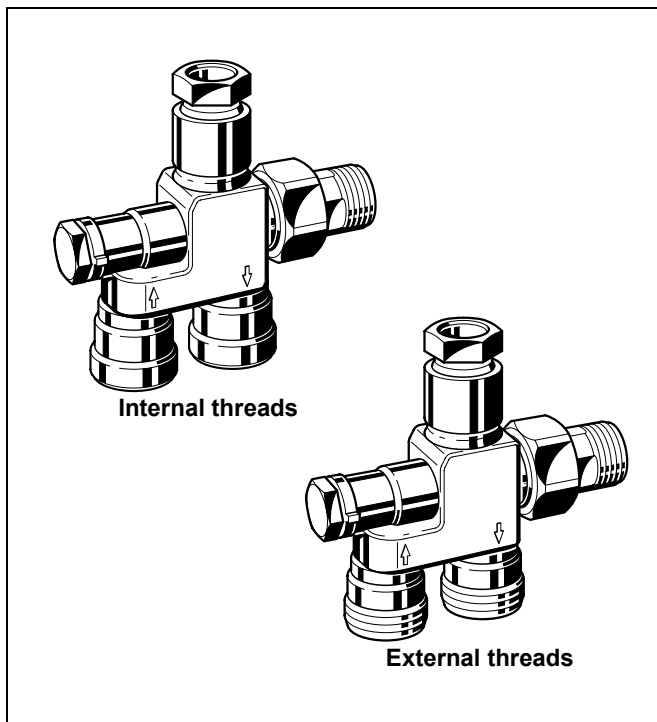


V2220

Fourway Distribution Valve

VALVE WITH REVERSED PORTS FOR DISTRIBUTION SYSTEMS

PRODUCT DATA



Design

The distribution valve consists of:

- Valve housing PN10, DN15
 - with external threads, or
 - with internal threads to DIN2999 (ISO7) for threaded pipe or copper/precision steel pipe 10...18 mm using compression pipe fittings (see 'Accessories')
- Pre-settable valve insert
- Protection cap
- Union-nut and radiator tailpiece
- Compression ring and nut for $\varnothing 15$ mm riser tube

Materials

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

Application

Distribution valves of this type are used to connect the supply and return of a radiator to the corresponding pipes of a one- or two-pipe heating loop. Individual radiators can be shutoff without effecting or interrupting the water flow of the heating loop. Distribution valves of this type can be used for one-pipe and two-pipe systems.

By using distribution valves connections under the floor or in the wall are avoided.

Features

- No connections under the floor necessary
- Shutoff does not affect other radiators in the loop
- Suitable for one-pipe and two-pipe systems
- Supplied with compression ring and nut for riser tube
- Available with R $1/2$ " internal or G $3/4$ " external threads

Specifications

Medium Heating water, water quality to VDI2035

pH-value 8...9.5

Operating temperature max. 130°C (266°F)

Operating pressure max. 10 bar (145 psi)

$k_v(cv)$ -value 2.4 (2.81)

NOTE: See remark at k_{vs} values

Function

The Fourway distribution valve supplies incoming heating water to the connected riser tube and heating water returning from the radiator back into the heating circuit. This can be the next radiator or the return pipe to the distribution manifold.

The radiator is shutoff from the heating circuit by closing the valve cartridge. The following radiators in the heating circuit are not affected by this.

Dimensions and Ordering Information

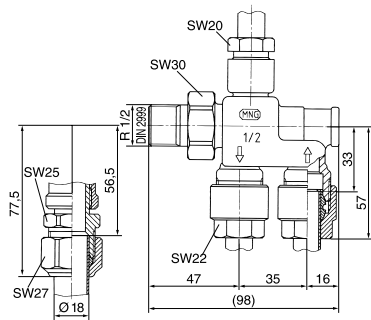


Fig. 1. External threads version

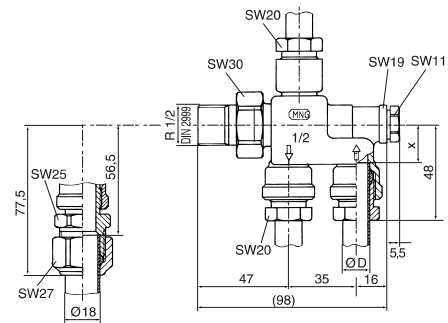


Fig. 2. Internal threads version

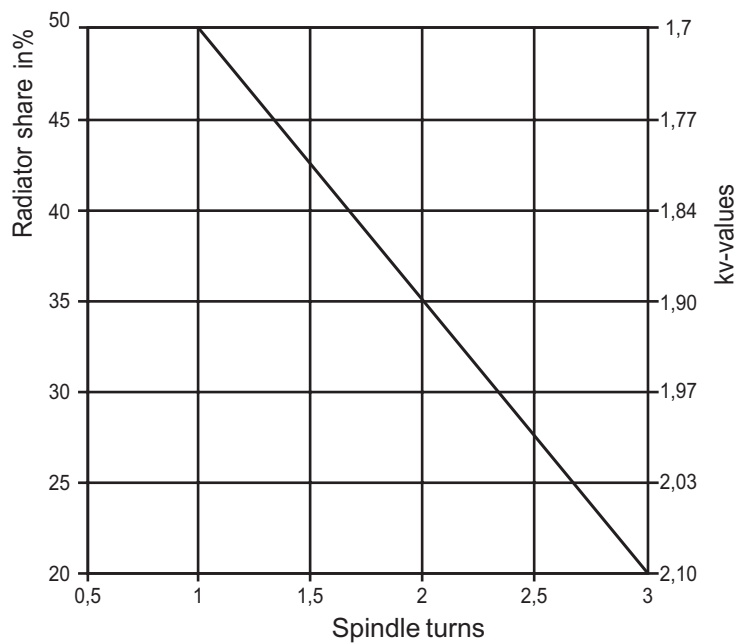
NOTE: All dimensions in mm unless stated otherwise.

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

Body type	DN	k_{vs} -value, 2-pipe	OS-No.
External threads	15	2.40	V2220X0015
Internal threads	15	2.40	V2220Y0015

Setting chart

V2220 distribution valve with straight pattern TRV body and swanneck or horizontal angle TRV body.









The pre-setting is achieved by screwing in the pre-setting screw to lefthand end (100%) and screw it out to right for sereal turns (number of turns see diagram).






Accessories

Connections for valves with external threads




2 Connections for copper and soft steel pipe

	3/4" x 10 mm	VA7200A010
	3/4" x 12 mm	VA7200A012
	3/4" x 14 mm	VA7200A014
	3/4" x 15 mm	VA7200A015
	3/4" x 16 mm	VA7200A016
	3/4" x 18 mm	VA7200A018

2 External connections for plastic pipe

	3/4" x 12 x 2 mm	VA7210A012
	3/4" x 14 x 2 mm	VA7210A014
	3/4" x 16 x 2 mm	VA7210A016
	3/4" x 17 x 2 mm	VA7210A017
	3/4" x 18 x 2 mm	VA7210A018




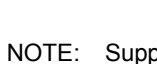
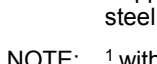
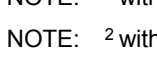
2 External connections for composite pipe, alplex-therm

	3/4" x 14 x 2 mm	VA7220A014
	3/4" x 16 x 2 mm	VA7220A016
	3/4" x 18 x 2 mm	VA7220A018

NOTE: Processing after technical documentation of the several companies

Connections for valves with internal threads

Compression ring and nut with support insert (2 pcs each)



	1/2" x 10 mm	VA621A1510 ¹
	1/2" x 12 mm	VA621A1512
	1/2" x 14 mm	VA621A1514 ¹
	1/2" x 15 mm	VA621A1515
	1/2" x 16 mm	VA621A1516
	1/2" x 18 mm	VA621A1518 ²

NOTE: Support inserts have to be used for copper or soft steel pipe with 1.0 mm wall thickness


NOTE: ¹ without support inserts

NOTE: ² with 2 adapters


Compression ring and nut with support insert for composite pipe (2 pcs each)

	1/2" x 14 mm	VA622B1514
	1/2" x 16 mm	VA622B1516


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
---	----------------	------------

Sealing ring for Pressure cap

	for valve DN15	VA5090A015
---	----------------	------------

Tailpiece

	with throttle disc	VA5291C015
---	--------------------	------------

Floor cover for Ø15, 16 and 18 mm pipe

	white	VA2201B015
---	-------	------------

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

Automation and Control Solutions

Honeywell GmbH

Hardhofweg

74821 Mosbach, Germany

Phone: +49 (6261) 810

Fax: +49 (6261) 81393

www.honeywell.com

EN0H-2400GE25 R1206
Dezember 2006

© 2006 Honeywell International Inc.
Subject to change • All rights reserved

Manufactured for and on behalf of the Environmental and Combustion
Controls Division of Honeywell Technologies Sàrl, Ecublens,
Route du Bois 37, Switzerland or by its Authorized Representative.

Honeywell