



## V2496

### Verafix-VKE

H-Block for compact radiators

#### APPLICATION

The Verafix-VKE is an lockshield valve for compact radiators with connection centres of 50 mm. It is used on two-pipe systems with radiators which have integral valves to regulate and shut-off individual radiators.

Verafix-VKE is suitable for hot water heating systems.

Verafix-VKE with 1/2" internal threads are suitable for radiators which include the following makes:

Bemm	Finimètal	Northor	Superia
Concept	Ferroli	Purmo	Thor
Dia-Norm	Henrad	Radson	VEHA
Dia-therm	Korado	Schäfer	Vogel & Noot
Dura	Manaut	Stelrad	

Verafix-VKE with 3/4" external threads are suitable for radiators which include the following makes:

Baufa	Buderus	Kermi	Ribe
Brötje	De Longhi	Reusch	RIOPanel
Brugman			

#### FEATURES

- Optional flow direction. Performance values apply for both directions of flow
- Robust brass housing
- Connection on pipework side 3/4" external thread for copper, soft steel, plastic and composite pipes
- Connectors on radiator side 1/2" internal or 3/4" external thread

#### SPECIFICATIONS

Medium:	Water
pH-value:	8 - 9.5
Max. operating temperature:	120 °C (248 °F)
Max. operating pressure:	10.0 bar (145 psi)
k <sub>VS</sub> (C <sub>VS</sub> )-value:	
Straight	3.5
Angle	1.8



#### DESIGN

The Verafix-VKE consists of:

- Straight valve body for floor connection or angle valve body for wall connection
- Ball valve insert
- Radiator connection nuts
- Universal externally threaded connections (Eurotaper connections) suitable for copper, precision steel tube, plastics and composite tube (see accessories for external thread fittings)

#### MATERIALS

- Hot-forged brass body
- Brass nickel ball valve insert
- EPDM O-ring sealings
- Brass union connections
- Brass radiator connection nuts
- Seat sealings PTFE
- EPDM seals

#### FUNCTION

The supply and return of the radiator can be shut-off by turning the ball valve inserts of the Verafix-VKE to the horizontal position with a screwdriver. The valves are supplied set fully open.

## DIMENSIONS

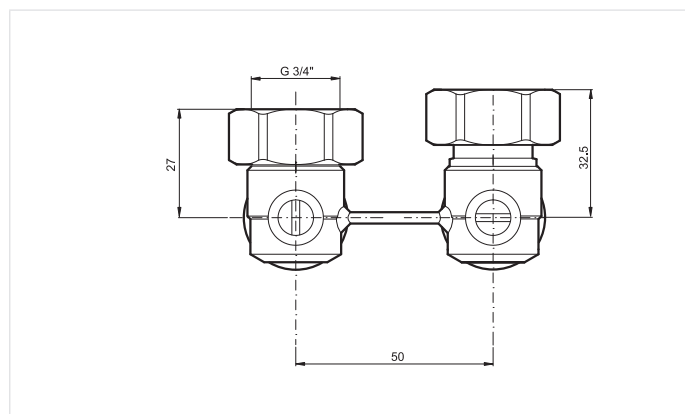


Fig. 1. Dimensions Verafix-VKE angle with flat seal and cone

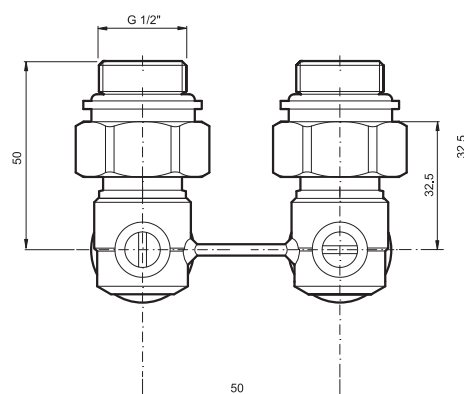


Fig. 2. Dimensions Verafix-VKE angle with flat seal and double nipple

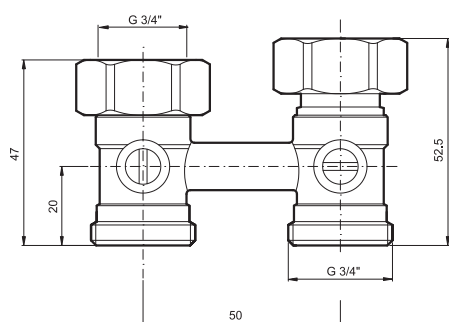


Fig. 3. Dimensions Verafix-VKE straight with flat seal and cone

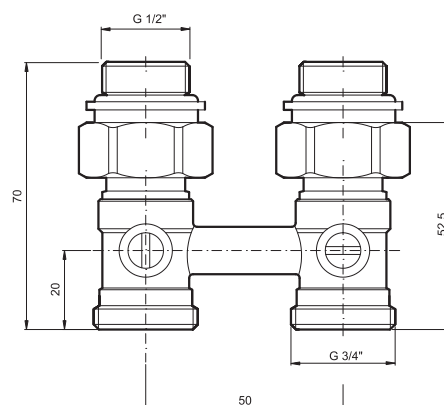


Fig. 4. Dimensions Verafix-VKE straight with flat seal and double nipple

Note: All dimensions in mm unless stated otherwise.

## ORDERING INFORMATION

Tab. 1 Dimensions and OS-Nos (OS=Ordering System)

Type	Pipe connection	Radiator connection	DN	$k_{vs}(C_{vs})$ -value	OS-No.
Angle (wall connection) flat seal and cone	$3/4"$ external	$3/4"$ external	15	1.8	V2496EX020A
Angle (wall connection) flat seal and double nipple	$3/4"$ external	$1/2"$ external	15	1.8	V2496EY015A
Straight (floor connection) flat seal and cone	$3/4"$ external	$3/4"$ external	15	3.5	V2496DX020
Straight (floor connection) flat seal and double nipple	$3/4"$ external	$1/2"$ external	15	3.5	V2496DY015

## ACCESSORIES

	Description	Dimension	Part No.
	<b>FEG3/4CS</b>	<b>Compression fitting for COPPER and STEEL pipe.</b> Consisting of one-piece (preassembled) nut. Soft sealing connection. For valves with external thread G <sup>3</sup> / <sub>4</sub> ". 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.	
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	10 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	12 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	14 mm
		G <sup>3</sup> / <sub>4</sub> ", 10 pcs.	14 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	15 mm
		G <sup>3</sup> / <sub>4</sub> ", 10 pcs.	15 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	16 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	18 mm
	<b>FEG3/4P</b>	<b>Compression fitting for PEX pipe.</b> Consisting of one-piece (preassembled) nut and reinforcing insert. Soft sealing connection. For valves with external thread G <sup>3</sup> / <sub>4</sub> ". Note: Max. operating temperature 90°C, max. operating pressure 10 bar.	
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	12 x 1.1 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	16 x 1.5 mm
	<b>FEG3/4PM</b>	<b>Compression fitting for PEX and MULTILAYER pipe.</b> Consisting of one-piece nut with preassembled antitorison elastic compression ring and one-piece reinforcing insert. For valves with external thread G <sup>3</sup> / <sub>4</sub> ". Note: Max. operating temperature 90°C, max. operating pressure 10 bar.	
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	14 x 2 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	16 x 2 mm
		G <sup>3</sup> / <sub>4</sub> ", 10 pcs.	16 x 2 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	16 x 2.2 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	17 x 2 mm
		G <sup>3</sup> / <sub>4</sub> ", 10 pcs.	17 x 2 mm
		G <sup>3</sup> / <sub>4</sub> ", 1 pcs.	18 x 2 mm
		G <sup>3</sup> / <sub>4</sub> ", 10 pcs.	18 x 2 mm
	<b>VS3296A</b>	<b>Double nipple (2 pcs.)</b>	
		for all V2496	VS3296A015
	<b>VA5096A</b>	<b>Flat seal</b>	
		for all V2496	VA5096A015
	<b>VA5096B</b>	<b>Flat seal and cone (2 pcs.)</b>	
		for all V2496	VA5096B015

## INSTALLATION EXAMPLE

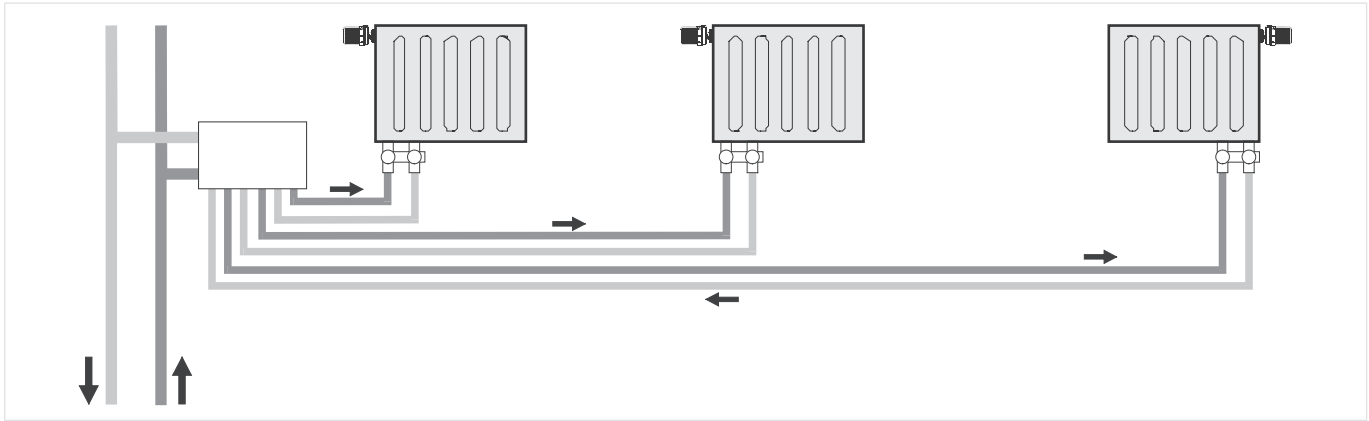
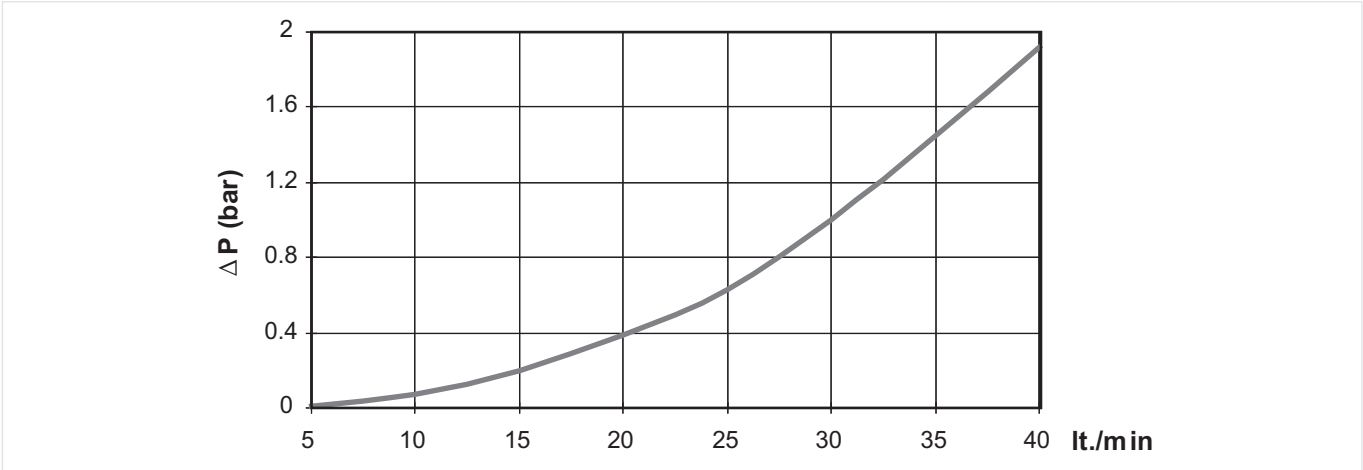


Fig. 5. Two-pipe system with distribution manifold and Verafix-VKE

### PLEASE NOTE:

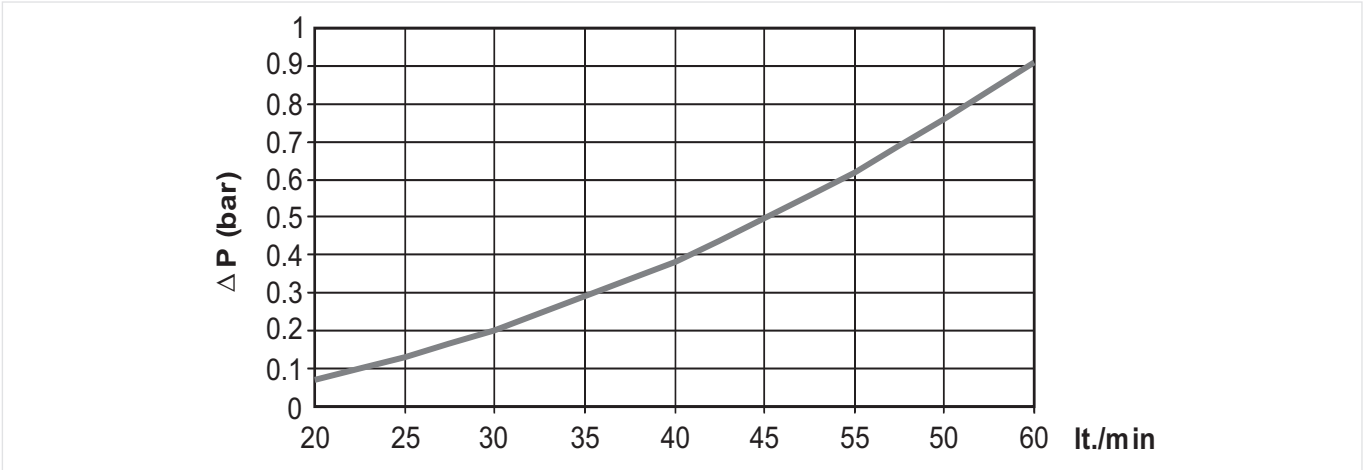
- To avoid stone deposit and corrosion the composition of the medium should conform with VDI-Guideline 2035
- Additives have to be suitable for EPDM sealings
- System has to be flushed thoroughly before initial operation with all valves fully open
- Any complaints or costs resulting from non-compliance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

FLOW DIAGRAM VKE2496E



lt./min	5	10	15	20	25	30	35	40
Δp (bar)	0.01	0.07	0.20	0.39	0.63	1.00	1.45	1.92

FLOW DIAGRAM VKE2496D



lt./min	20	25	30	35	40	45	50	55	60
Δp (bar)	0.07	0.13	0.20	0.29	0.38	0.50	0.62	0.76	0.91

For more information  
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