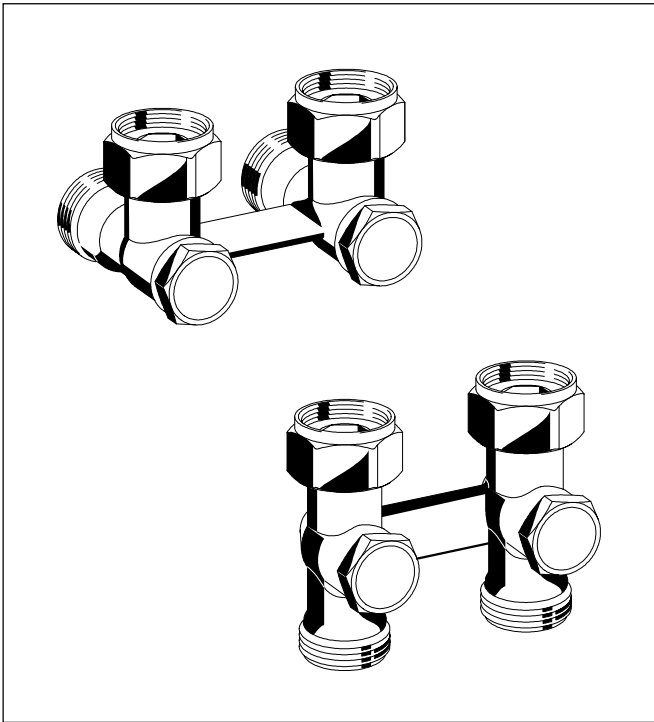


V2476 Verafix-VKE

PRE-SETTABLE H-BLOCK FOR COMPACT RADIATORS

PRODUCT DATA



Design

The Verafix-VKE consists of:

- Straight valve body for floor connection or angle valve body for wall connection
- Valve insert
- Nickel-plated brass protection cap
- 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

- Matt nickel-plated hot-forged brass body
- Brass valve insert
- EPDM or NBR O-ring sealings
- Brass union connections
- Nickel-plated brass radiator connection nuts
- Nickel-plated brass protection caps with NBR sealings

Application

The verafix-VKE is an adjustable 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	Finimetal	Northor	Superia
Concept	Ferrolì	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

- **Adjustable by stroke limitation with system in full operation**
- **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
Operating temperature	max. 120°C (248°F)
Operating pressure	max. 10,0 bar (145 p.s.i.)
kvs-value	1,50

Identification

The Verafix-VKE differs from the outwardly identical Verafix-VK in the design of the valve inserts. Verafix-VKE inserts have a hexagon socket for shut-off. (Verafix-VK inserts have an additional pentagon nut on top. The hexagon socket for shut-off is accessed by a hole in the middle.)

Function

Individual pre-setting of the Verafix-VKE is made with a commercially available 6 mm Allan key. The flow rate is adjusted by turning the valve insert from the closed position to the calculated value. The relationship between the number of turns and the flow rate can be read off the flow diagram where 'open' refers to the fully open position – valve insert turned anti-clockwise as far as possible. Pre-setting only needs to be done on one side either supply or return.

The supply and return of the radiator can be shut-off by turning the valve inserts for the Verafix-VKE clockwise to the closed position with a 6 mm Allan key. Shutting-off the radiator with the Verafix-VKE causes the pre-setting to be lost.

Pre-settable Verafix-VKE lockshield valves are supplied set fully open.

Dimensions

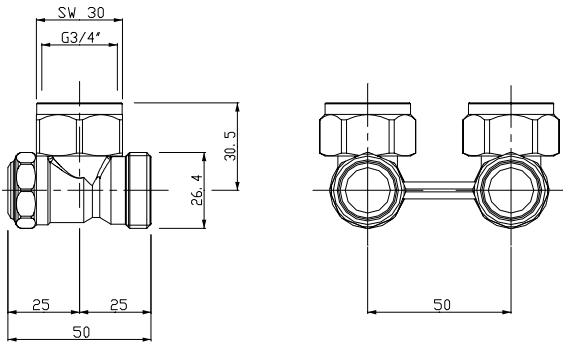


Fig. 1. Dimensions Verafix-VKE angle

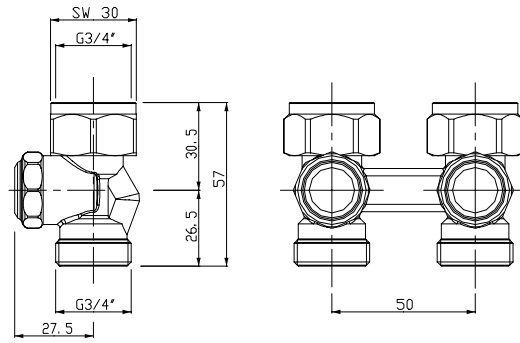


Fig. 2. Dimensions Verafix-VKE







NOTE: All dimensions in mm unless otherwise stated.

Ordering Information






Type	Pipe connection	Radiator connection	DN	k _{vs} -value	OS-No.
Angle (wall connection)	3/4" external	3/4" external	15	1,50	V2476E020
Angle (wall connection)	3/4" external	1/2" internal	15	1,50	V2476E015
Straight (floor connection)	3/4" external	3/4" external	15	1,50	V2476D020
Straight (floor connection)	3/4" external	1/2" internal	15	1,50	V2476D015

Accessories




Connection for valves with external threads, consisting of 2 connections for copper and soft steel pipe with support inserts

	3/4" x 10 mm	1 01 01 47 100 000
	3/4" x 12 mm	1 01 01 47 120 000
	3/4" x 14 mm	1 01 01 47 140 000
	3/4" x 15 mm	1 01 01 47 150 000
	3/4" x 16 mm	1 01 01 47 160 000
	3/4" x 18 mm	1 01 01 47 180 000


Connection for valves with external threads, consisting of 2 connections for plastic pipe

	3/4" x 12 x 2 mm	1 01 01 46 120 000
	3/4" x 14 x 2 mm	1 01 01 46 140 000
	3/4" x 16 x 2 mm	1 01 01 46 160 000
	3/4" x 17 x 2 mm	1 01 01 46 170 000
	3/4" x 18 x 2 mm	1 01 01 46 180 000


Connection for valves with external threads, consisting of 2 connections for Unipipe and alpex-therm composite pipe

	3/4" x 14 x 2 mm	1 01 01 46 240 000
	3/4" x 16 x 2 mm	1 01 01 46 260 000
	3/4" x 18 x 2 mm	1 01 01 46 280 000

Soldering connection

	for all Verafix-VKE	0 20 53 01 015 000
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Connection nut, nickel-plated

	for all Verafix-VKE	0 20 18 15 015 926
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Installation example

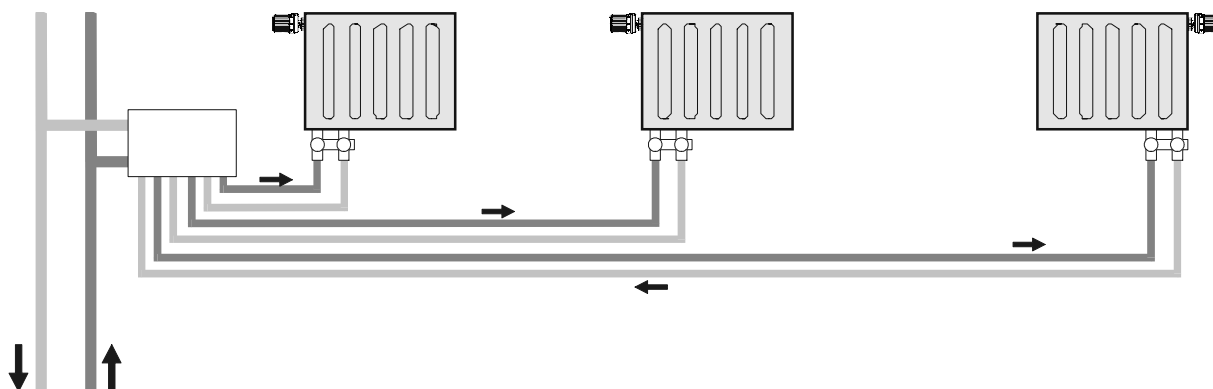
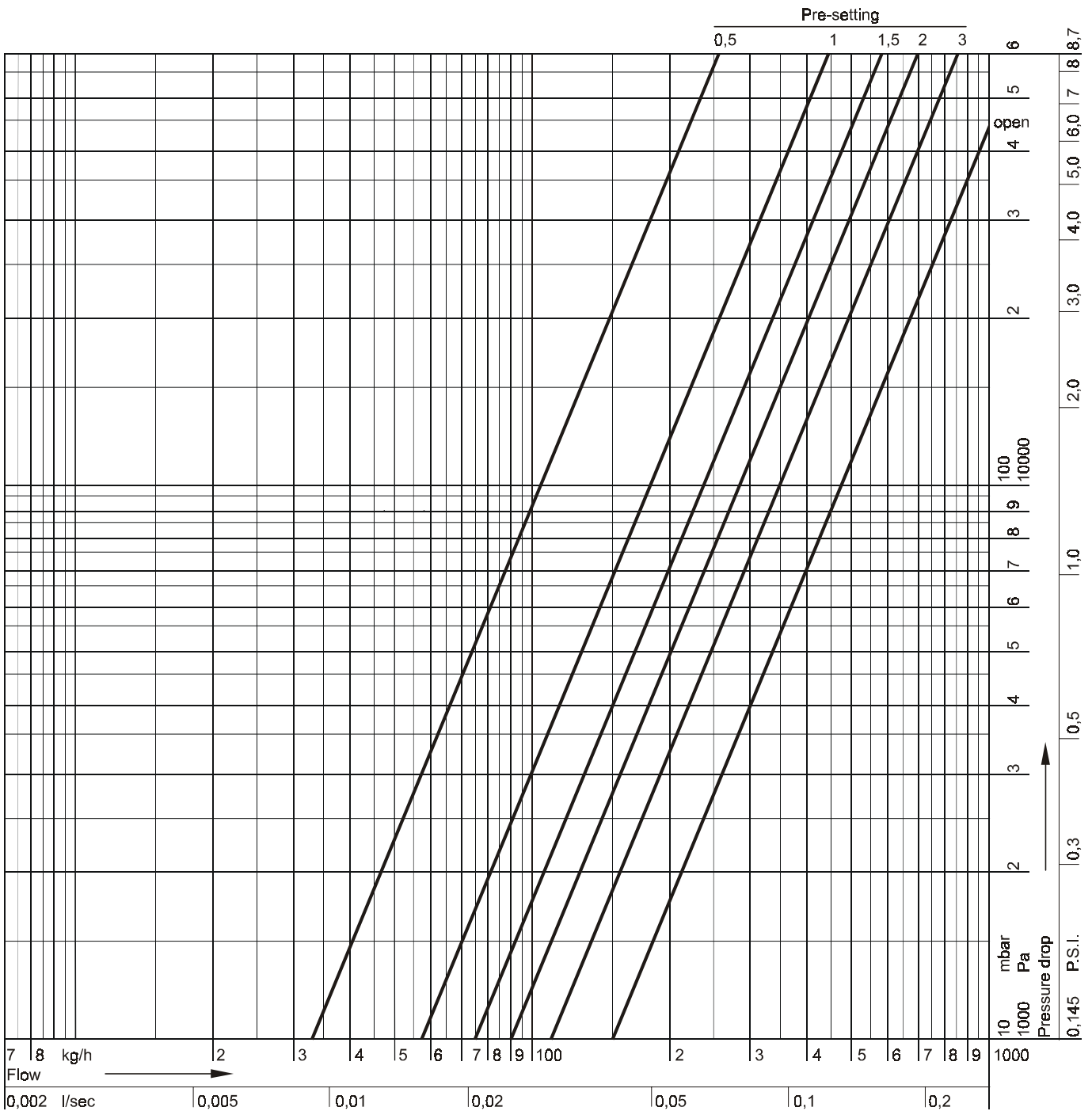


Fig. 3. Two-pipe system with distribution manifold and Verafix-VKE

Flow diagram



Pre-setting	0,5	1	1,5	2	3	open = k_{vs}
kv-value	0,33	0,57	0,75	0,90	1,10	1,50

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