

## 3-Port Screwed Brass Rotary Shoe Valves



### Features

- Mixing or diverting applications
- No tools for mounting
- Low noise operation
- Self-positioning process

### Specification

Flow type	Mixing / diverting
Fluid temperature	-10 t +110°C
Rangeability	100:1
Leak rate:	
Mixing	<0.05% of flow
Diverting	<0.02% of flow
Nominal pressure	PN10
Max. diff. pressure	100kPa
Required torque	5Nm
Materials:	
Body	Brass DZR, CW 602N
Shaft & bushing	PPS
O-rings	EPDM
Ambient temperature	-5 to +55°C
Protection	IP41
Dimensions	104 x 86 x 90mm
Country of origin	Sweden

### Product Codes

#### Valves:

##### VR-G-01

½" BSP, 0.4Kvs 3-port screwed valve

##### VR-G-02

½" BSP, 0.63Kvs 3-port screwed valve

##### VR-G-03

½" BSP, 1.0Kvs 3-port screwed valve

##### VR-G-04

½" BSP, 1.63Kvs 3-port screwed valve

##### VR-G-05

½" BSP, 2.5Kvs 3-port screwed valve

##### VR-G-06

½" BSP, 4.0Kvs 3-port screwed valve

##### VR-G-07

¾" BSP, 2.5Kvs 3-port screwed valve

##### VR-G-08

¾" BSP, 4.0Kvs 3-port screwed valve

##### VR-G-09

¾" BSP, 6.3Kvs 3-port screwed valve

##### VR-G-10

1" BSP, 6.3Kvs 3-port screwed valve

##### VR-G-11

1" BSP, 10Kvs 3-port screwed valve

##### VR-G-12

1½" BSP, 16Kvs 3-port screwed valve

##### VR-G-13

1½" BSP, 25Kvs 3-port screwed valve

##### VR-G-14

2" BSP, 40Kvs 3-port screwed valve

#### Linkage:

##### VR-G-LK

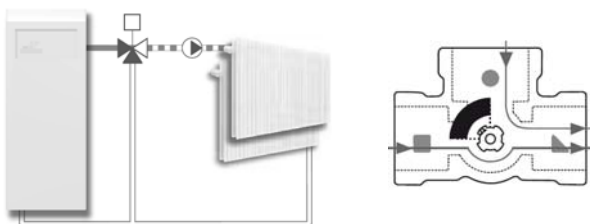
Linkage kit for use with VA-DA and VA-DM 4Nm actuators for above valves

## Technical Overview

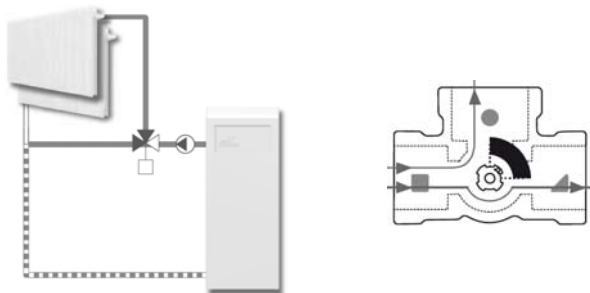
The VR-G range of brass rotary show valves are made of a special brass alloy (DZR) allowing use in heating and cooling systems, for both mixing and diverting applications. Valves are from ½" to 2" with internal threads.

## Installation Examples

### Mixing

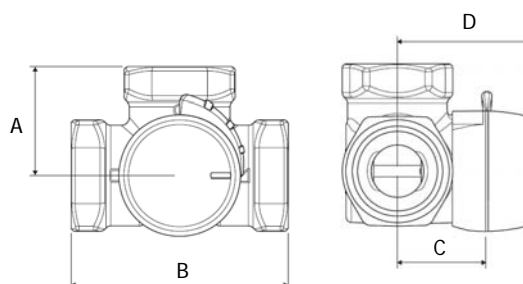


### Diverting



Please see VR-G-LK datasheet for mounting instructions.

## Valve Dimensions



Part code	Size (mm)	Kvs	Dimensions (mm)				Weight (kg)
			A	B	C	D	
VR-G-01	Rp ½"	0.4	36	72	32	50	0.4
VR-G-02	Rp ½"	0.63	36	72	32	50	0.4
VR-G-03	Rp ½"	1	36	72	32	50	0.4
VR-G-04	Rp ½"	1.63	36	72	32	50	0.4
VR-G-05	Rp ½"	2.5	36	72	32	50	0.4
VR-G-06	Rp ½"	4	36	72	32	50	0.4
VR-G-07	Rp ¾"	2.5	36	72	32	50	0.43
VR-G-08	Rp ¾"	4	36	72	32	50	0.43
VR-G-09	Rp ¾"	6.3	36	72	32	50	0.43
VR-G-10	Rp 1"	6.3	41	2	34	52	0.7
VR-G-11	Rp 1"	10	41	82	34	52	0.7
VR-G-12	Rp 1¼"	16	47	94	37	55	0.95
VR-G-13	RP 1½"	25	53	106	44	60	1.68
VR-G-14	RP 2"	40	60	120	46	64	2.05

## Valve Characteristics

