## 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
1/2" BSP, 0.4Kvs 3-port screwed valve
VR-G-02
1/2" BSP, 0.63Kvs 3-port screwed valve
VR-G-03
1/2" BSP, 1.0Kvs 3-port screwed valve
VR-G-04
1/2" BSP, 1.63Kvs 3-port screwed valve
VR-G-05
1/2" BSP, 2.5Kvs 3-port screwed valve
VR-G-06
1/2" BSP, 4.0Kvs 3-port screwed valve
VR-G-07
3/4" BSP, 2.5Kvs 3-port screwed valve
VR-G-08
3/4" BSP, 4.0Kvs 3-port screwed valve
VR-G-09
3/4" 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
11/2" 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



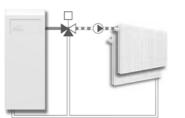
#### Valve Dimensions

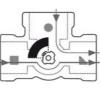
#### **Technical Overview**

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  $\frac{1}{2}$ " to 2" with internal threads.

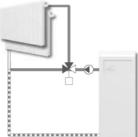
#### Installation Examples

#### Mixing





Diverting

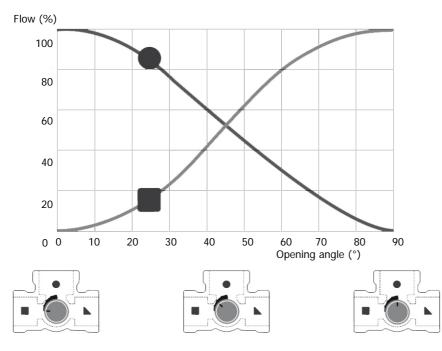




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Please see VR-G-LK datasheet for mounting instructions.

#### Valve Characteristics



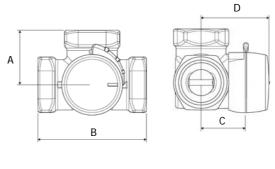
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Part code	Size	Kvs	Dimensions (mm)				Weight
	(mm)		Α	В	С	D	(kg)
VR-G-01	Rp 1⁄₂"	0.4	36	72	32	50	0.4
VR-G-02	Rp 1⁄₂"	0.63	36	72	32	50	0.4
VR-G-03	Rp 1∕2"	1	36	72	32	50	0.4
VR-G-04	Rp 1⁄₂"	1.63	36	72	32	50	0.4
VR-G-05	Rp 1∕2"	2.5	36	72	32	50	0.4
VR-G-06	Rp 1⁄₂"	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 11⁄2"	25	53	106	44	60	1.68
VR-G-14	RP 2"	40	60	120	46	64	2.05