



Features and Benefits

- Mixing or diverting applications
- Good control characteristics

Technical Overview

The VR-F series are cast iron rotary shoe valves for use in heating systems in mixing and diverting applications. Valves are designed to provide good control characteristics and reliability of operation.

Valves are flanged from 50 to 150mm and PN6.

Product Codes

VR-F-P3-F50-K60
50mm 3-Port rotary shoe valve, 60 Kvs
VR-F-P3-F65-K90
65mm 3-Port rotary shoe valve, 90 Kvs
VR-F-P3-F80-K150
80mm 3-Port rotary shoe valve, 150 Kvs
VR-F-P3-F100-K225
100mm 3-Port rotary shoe valve, 225 Kvs
VR-F-P3-F125-K280
125mm 3-Port rotary shoe valve, 280 Kvs
VR-F-P3-F150-K400
150mm 3-Port rotary shoe valve, 400 Kvs

Linkage kit:

VR-LKN-2
For VA actuators from 5 to 15Nm

Specification

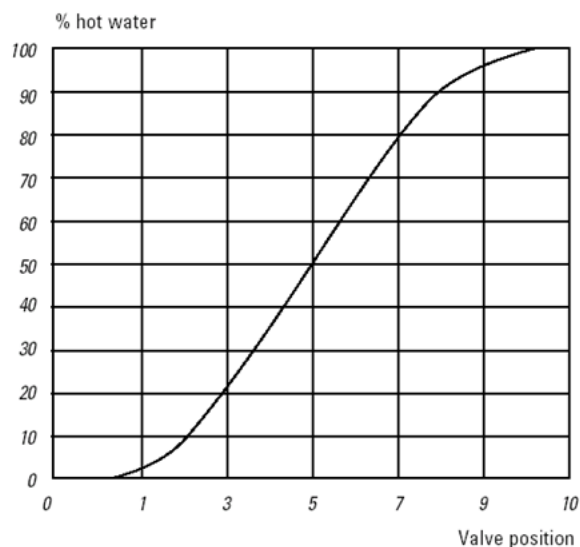
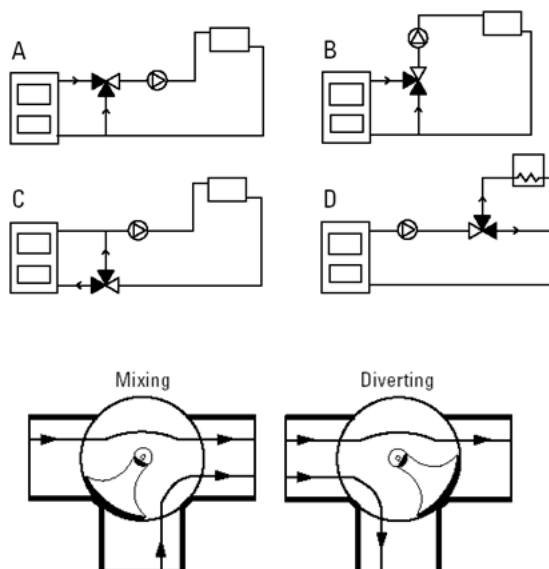
Flow type	Mixing / diverting
Fluid temperature	-10 to +110°C
Rangeability	100:1
Max. pressure drop:	
DN50	50kPa
Others	30kPa
Max. static pressure	600kPa
Leakage	See table
Materials:	
Body & cover	Cast iron
Spindle	Brass
Slipper	Brass
O-rings	EPDM
Flange	PN6
Required motor torque:	
DN50	5Nm
DN65 to 100mm	10Nm
DN125 to 150mm	15Nm
Country of origin	Sweden



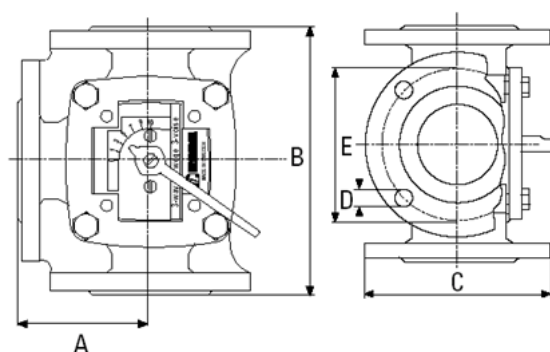
WEEE Directive:

At the end of the products useful life please dispose as per the local regulations. Do not dispose of with normal household waste. Do not burn.

Installation Examples & Valve Characteristics



Dimensions



Part code	Size (mm)	Kvs (m ³ /H)	Dimensions (mm)					% Let by		Actuator Force	Linkage Type
			A	B	C	D	E	Mix	Div.		
VR-F-P3-F50-K60	50	66	97.5	195.0	140.0	4 x 15	110	1.0	0.5	5Nm	VR-LKN-2
VR-F-P3-F65-K90	65	90	100.0	200.0	160.0	4 x 15	130	1.0	0.5	10Nm	VR-LKN-2
VR-F-P3-F80-K150	80	150	120.0	240.0	190.0	4 x 18	150	1.0	0.5	10Nm	VR-LKN-2
VR-F-P3-F100-K225	100	225	132.5	265.0	210.0	4 x 18	170	1.0	0.5	10Nm	VR-LKN-2
VR-F-P3-F125-K280	125	280	150.0	300.0	240.0	4 x 18	200	1.0	0.5	15Nm	VR-LKN-2
VR-F-P3-F150-K400	150	400	175.0	350.0	265.0	4 x 18	225	1.0	0.5	15Nm	VR-LKN-2

Flow Chart

