

Valve Specification

This is a flanged ball valve for proportional control that uses a V-port ball with good controllability. A spring is built into the seal part of the stem to automatically correct volume changes due to packing wear, pressure, temperature, etc., thus realizing maintenance-free gland parts.

Specifications

Model	VR
Type	Flanged end ball valve, V-port
Face-to-face dimensions	JIS B 2002 series No.6
Structure	Floating ball valve
Fluid	Water, Oils, Gas, Steam*1, Chemicals
Flow direction	With designated flow direction
Application	Flow control*2
Max working pressure	1 MPa
Max allowable pressure	1.4 MPa

*1: For steam line use, specify the "ST" option. In this case, the O-ring material is resistant to steam FKM. *2: Since this valve is used in the middle position, the seat will leak when fully closed.

Production range

Connection	JIS 10K RF Flanged end
Body material	SCS14A
Ball material	SUS316 / SCS14A
Seat material	Reinforced PTFE / Reinforced F-PTFE*3
Stem seal material	Reinforced PTFE + FKM*1 O-ring
Size	R15A, 15A, 20A, 25A, 32A, 40A, 50A, 65A, 80A

*3: Semi-standard. *Equivalents from other standards may be used for parts, depending on material availability.

Cv value and Range ability

Size	R15A	15A	20A	25A	32A	40A	50A	65A	80A	
Cv value	1.3	4	7.5	12	20	31	48	85	123	
Range ability	100 : 1				50 : 1					

Valve model code configuration

<u>VR</u>	<u>1</u>	<u>U</u>	<u>U</u>	<u>G</u>	=	<u>015</u>	
							Size
							Port type
							Seat material
							Ball material
							Body material
							Connection
							Model

Enter three digits. ex. 15A is 015

Hyphen for standard, R for reduce model (R 15 A)

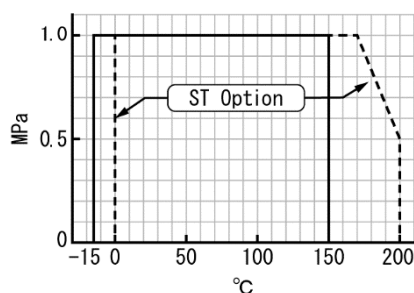
Ⓒ: Reinforced PTFE Ⓓ: Reinforced F-PTFE

Ⓤ: SUS316 / SCS14A

Ⓢ: SCS14A

①: JIS 10K Flanged end

Pressure & Temperature rating



Flow characteristic

