

Valve Specification

This valve is ideal for lines of fluids including resin pellets, powders, fibrous fluids, slurries, and high viscosity fluids. Since it has a pocketless structure with a seat on the inlet side only, no fluid will be stuck or clogged in the flow path of the valve and no abnormal pressure rise will occur. This valve is a semi-standard product.

Specifications

Model	V
Type	Flanged end ball valve, Full-port, V-cut ball
Face-to-face dimensions	JIS B 2002 series No.6 (125 to 150A are series No.39.)
Structure	Trunnion supported ball valve
Fluid	Water, Oils, Gas, Steam, Chemicals, slurries
Flow direction	With designated flow direction
Application	ON-OFF, Flow control*1
Max working pressure	1 MPa
Max allowable pressure	1.4 MPa

*1: If the valve is used in the middle position, valve seat leakage will occur when the valve is fully closed.

Production range

Connection	JIS 10K RF Flanged end		
Body material	FCD-S	SCS13 / SCS13A	SCS14 / SCS14A
Ball material	SCS11 + HCr PLTD (In the case of the solid seat, it's a Stellite® platter.)		
Seat material	Soft seat: Reinforced PTFE Thin seat: SUS316 / SUS316H / SUS329J4L Solid seat: SUS316 + Stellite®		
Stem seal material	PTFE (Gland packing retightening structure)		
Size	25A, 40A, 50A, 65A, 80A, 100A, 125A, 150A, 200A		

Cv value and Range ability

Size	25A	40A	50A	65A	80A	100A	125A	150A	200A
Cv value	28	75	153	250	350	540	930	1320	2000
Range ability	100 : 1								

Seat leakage volume

Ⓒ Soft seat	Bubble-tight*1
Ⓔ Thin seat	0.0005% or less of the maximum Cv value (ANSI B16.104 Class IV 1 / 20 and IEC534-4 Class IV-S1)
Ⓜ Solid seat	0.5% or less of the maximum Cv value (ANSI B16.104 Class IV 1 and IEC534-4 Class II)

Valve model code configuration

V- 1 D U G - 050

V	1	D	U	G	-	050	
							Size
							Seat material
							Ball material
							Body material
							Connection
							Model

Enter three digits. ex. 50A is 050

Ⓒ: Soft seat Ⓔ: Thin seat Ⓜ: Solid seat

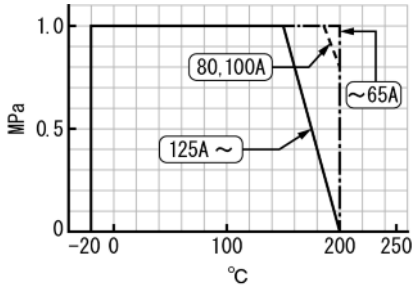
Ⓤ: SCS11 + HCr PLTD (In the case of the solid seat, it's a Stellite® platter.)

Ⓓ: FCD-S Ⓙ: SCS13 / SCS13A Ⓢ: SCS14 / SCS14A

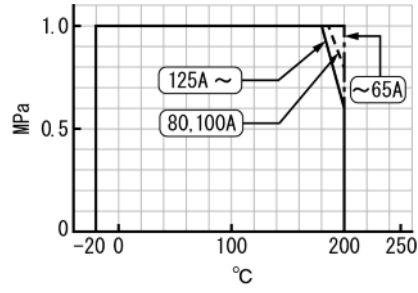
①: JIS 10K RF Flanged end

Model with one character should have a hyphen in the second digit.

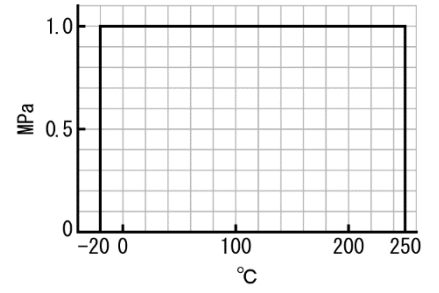
| Pressure & Temperature rating (Soft seat)



| Pressure & Temperature rating (Thin seat)



| Pressure & Temperature rating (Solid seat)



| Flow characteristic

