

Valve Specification

Lightweight, compact, flangeless ball valve. The trunnion structure ensures stable performance even under harsh conditions. With a pocketless structure with a seat only on the inlet side, there is little fluid accumulation in the valve and no abnormal pressure rise occurs.

Specifications

Model	GS
Type	Wafer type ball valve, Full-port / Standard-port / V-port
Structure	Trunnion supported ball valve
Fluid	Water, Oils, Gas, Steam*1, Chemicals
Flow direction	With designated flow direction
Application	ON-OFF, Flow control*2
Max working pressure	2 MPa
Max allowable pressure	3.4 MPa

*1: API seat cannot be used for steam. *2: If the valve is used in the middle position, valve seat leakage will occur when the valve is fully closed.

Production range

Connection	For JIS 10K and 20K flange Wafer type	
Body material	SCS14A	
Ball material	SCS14A + HCr PLTD	
Seat material	Reinforced PTFE / PEEK*3 / API*1*3 / Reinforced PEEK*3 / SUS316 + Stellite®*3	
Stem seal material	Reinforced PTFE (Gland packing retightening structure)	
Size	F-port	15A, 20A, 25A, 32A, 40A, 50A, 65A, 80A
	S-port	40A, 50A, 65A, 80A, 100A, 125A, 150A
	V-port	15A, 20A, 25A, 32A

*3: Semi-standard

Cv value and Range ability

Size	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A	
Cv value	F-port	20	36	50	90	120	220	380	750	—	—	—
	S-port	—	—	—	—	95	135	195	410	430	900	1360
	V-port	4	8	9	22	—	—	—	—	—	—	—
Range ability	F-port 200:1			S-port 100:1			V-port 50:1					

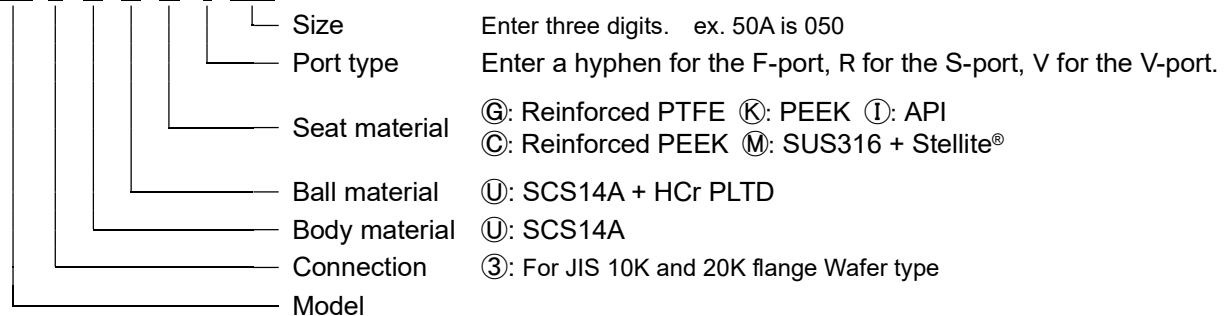
Seat leakage volume

ⒺⓀⓁ seat	Bubble-tight*2
Ⓒ seat	0.0001% or less of the maximum Cv value (ANSI B16.104 Class IV 1/1000 or less)*4
Ⓜ seat	0.01% or less of the maximum Cv value (ANSI B16.104 Class IV or less) *4

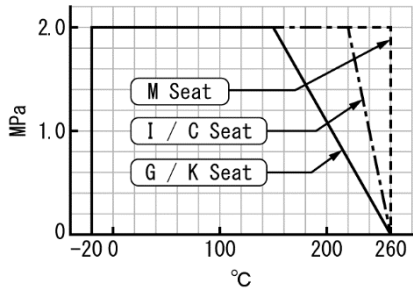
*4: V-port leaks 5-8 times.

Production range

GS 3 U U G = 050



| Pressure & Temperature rating



| Flow characteristic

