

## Valve Specification

This ball valve is lined with fluoro-resin PFA to make contact with fluid. The balls are lined by integral molding without weld repair. Not only can it be corrosion-resistant, it can also be used at high temperatures above 100 ° C. PFA resins that do not contain harmful additives, compounds, or pigments have no adverse effects on fluids due to extraction of organic matter. Suitable for pure water lines where chemicals and high purity are required. This valve is a semi-standard product.

### Specifications

Model	BL
Type	Flanged end ball valve, Full-port
Structure	Floating ball valve
Fluid	Water, Oils, Gas, Chemicals
Flow direction	Both directions
Application	ON-OFF
Max working pressure	1 MPa
Max allowable pressure	1.4 MPa

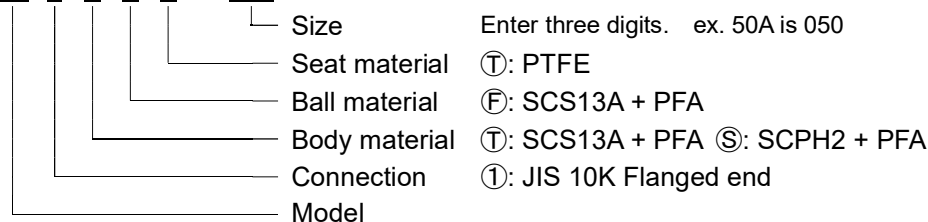
### Production range

Connection	JIS 10K Flanged end	
Body material	SCS13A + PFA	SCPH2 + PFA
Ball material	SCS13A + PFA	
Seat material	PTFE	
Stem seal material	PTFE (Gland packing retightening structure)	
Size	15A, 20A, 25A, 40A, 50A 65A, 80A, 100A, 150A	15A, 20A, 25A*1, 40A*1 50A*1, 65A, 80A*1, 100A, 150A*1

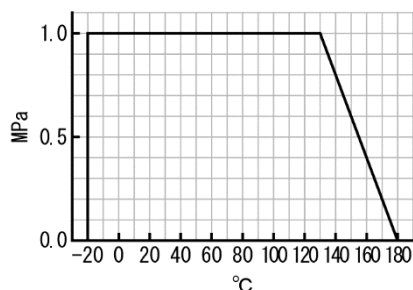
\*1: It will be made to order.

### Valve model code configuration

**BL 1 I E I - 050**



### Pressure & Temperature rating



### Note)

- Although PFA resin has excellent corrosion resistance to many chemicals, it cannot be used with high fluid temperatures and highly permeable fluids such as molten alkali metals and their solutions, high temperature fluorine and fluorine compounds (ClF<sub>3</sub>), halogens and halogen compounds.
- Frictional charging with the fluid causes dielectric breakdown when the voltage exceeds the dielectric breakdown voltage of PFA lining material. Particularly, when the fluid is mixed with gas-liquid, it is easy to be charged, so attention is required. Particular attention should be paid to the possibility that the charged charge may increase when flowing fluids with high insulation properties such as ultrapure water and organic solvents.