

Valve Specification

This valve can be used for switching the flow path applications or for diverting and mixing*2. 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	LR
Type	Flanged end horizontal three-way ball valve, L full-port
Structure	Floating ball valve
Fluid	Water, Oils, Gas, Steam*1, Chemicals
Application	Switching the flow path, Diverting and mixing*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: If the valve is used in the middle position, valve seat leakage.

Production range

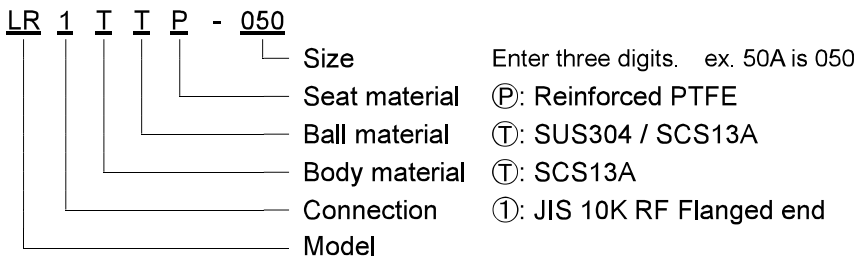
Connection	JIS 10K RF Flanged end
Body material	SCS13A
Ball material	SUS304 / SCS13A
Seat material	Reinforced PTFE
Stem seal material	Reinforced PTFE + FKM*1 O-ring
Size	20A, 25A, 40A, 50A, 65A, 80A, 100A

*Equivalentents from other standards may be used for parts, depending on material availability.

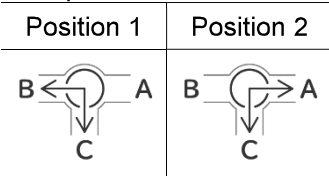
Cv value and Range ability

Size	20A	25A	40A	50A	65A	80A	100A
Cv value (Effective value)	24 (10)	40 (20)	100 (60)	170 (110)	240 (150)	380 (240)	680 (440)
Range ability	20 : 1						

Valve model code configuration

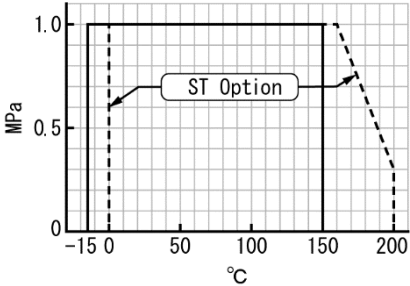


Flow paths

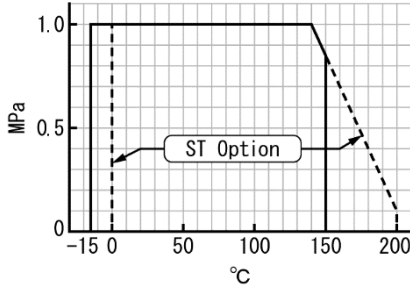


Note) If high pressure is applied from the closed port, leakage may occur to the fluid path.

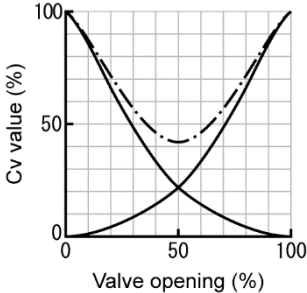
| Pressure & Temperature rating (20 to 50A)



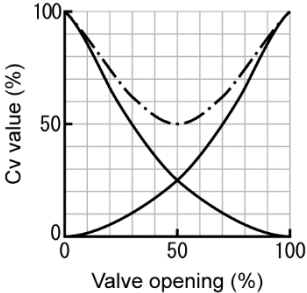
| Pressure & Temperature rating (65 to 100A)



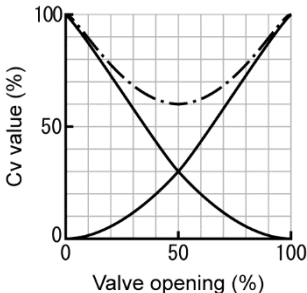
| Flow characteristic (20A)



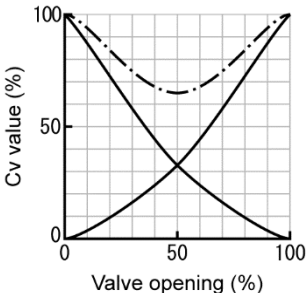
| Flow characteristic (25A)



| Flow characteristic (40A)



| Flow characteristic (50 to 100A)



Valve Specification

This valve can be used for switching the flow path applications or for diverting and mixing*². 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	TR
Type	Flanged end vertical three-way ball valve, L full-port
Structure	Floating ball valve
Fluid	Water, Oils, Gas, Steam* ¹ , Chemicals
Application	Switching the flow path, Diverting and mixing* 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: If the valve is used in the middle position, valve seat leakage.

Production range

Connection	JIS 10K RF Flanged end
Body material	SCS13A
Ball material	SUS304 / SCS13A
Seat material	Reinforced PTFE
Stem seal material	Reinforced PTFE + FKM* ¹ O-ring
Size	20A, 25A, 40A, 50A, 65A, 80A, 100A

*Equivalent from other standards may be used for parts, depending on material availability.

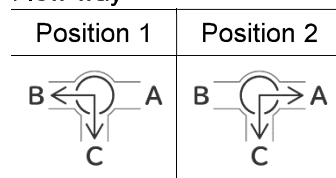
Cv value and Range ability

Size	20A	25A	40A	50A	65A	80A	100A
Cv value (Effective value)	24 (10)	40 (20)	100 (60)	170 (110)	240 (150)	380 (240)	680 (440)
Range ability	20 : 1						

Valve model code configuration

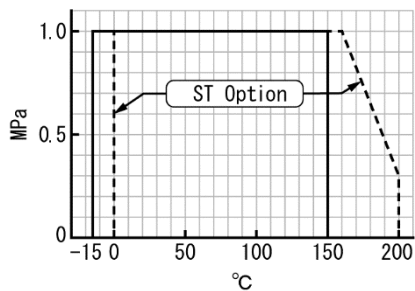
TR 1 I I P - 050	
TR	Model
1	Connection ①: JIS 10K Flanged end
I	Body material ①: SCS13A
I	Ball material ①: SUS304 / SCS13A
P	Seat material ②: Reinforced PTFE
050	Size Enter three digits. ex. 50A is 050

Flow way

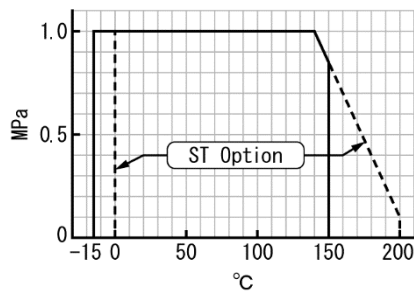


Note) If high pressure is applied from the closed port, leakage may occur to the fluid path.

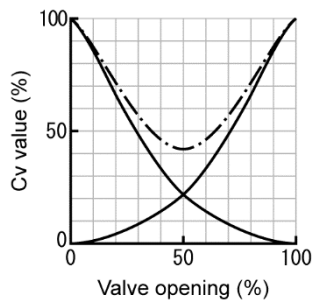
| Pressure & Temperature rating (20 to 50A)



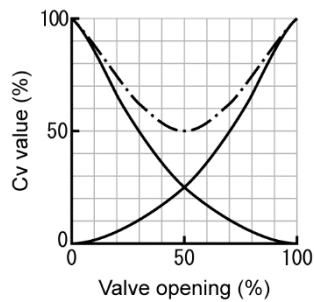
| Pressure & Temperature rating (65 to 100A)



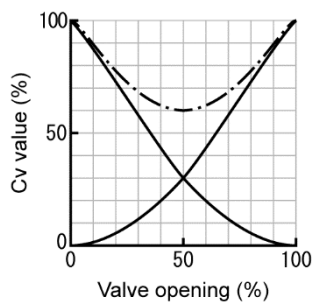
| Flow characteristic (20A)



| Flow characteristic (25A)



| Flow characteristic (40A)



| Flow characteristic (50 to 100A)

