Valve Specification

The TE series is a ball valve with a long neck that is best for piping with heat insulation. It is a reduced-port type that is two sizes smaller than the pipe diameter, and it is very light and compact. Ideal for installation in narrow spaces and installation. This valve can be used for switching the flow path applications or for diverting and mixing*2.

Specifications

Model	TE
Type	Threaded end vertical three-way ball valve, L reduced-port
Structure	Floating ball valve
Fluid	Water, Oils, Gas, Steam*1
Application	Switching the flow path, Diverting and mixing*2
Max working pressure	1 MPa
Max allowable pressure	1 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	Threaded end Rc (JIS B 0203)
Body material	SCS13A
Ball material	SUS304
Seat material	Reinforced PTFE
Stem seal material	PTFE + FKM O-ring*1
Size	15A, 20A, 25A

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

Cv value and Range ability

Size	15A	20A	25A
Cv value (Effective value)	3 (1.8)	6 (3.6)	9 (5.4)
Range ability	20 : 1		

Valve model code configuration

TE 5 T T P - 020

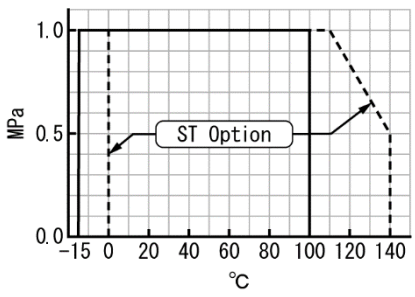
- 020 — Size — Enter three digits. ex. 20A is 020
- P — Seat material — Ⓟ: Reinforced PTFE
- T — Ball material — Ⓣ: SUS304
- T — Body material — Ⓣ: SCS13A
- 5 — Connection — ⑤: Threaded end Rc
- TE — Model

Flow paths

Position 1	Position 2
	

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

Pressure & Temperature rating



Flow characteristic