

## Valve Specification

The LP series is a lightweight plastic three-way ball valve with excellent chemical resistance. Three connection methods, and two different O-ring materials are available to meet the requirements of the pipes and fluids. The combination of these valves can be used for a wide range of applications.

### Specifications

Model	LP
Type	Horizontal three-way plastic ball valve, L standard-port
Structure	Four-sided seat
Fluid	Water, Chemicals, Sea water
Flow direction	Switching the flow path
Max working pressure	1 MPa
Max allowable pressure	1 MPa

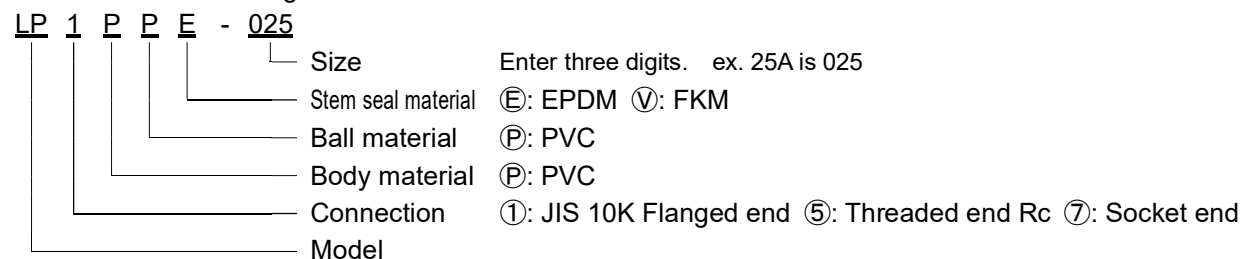
### Production range

Connection	JIS 10K FF Flanged end	Threaded end Rc (JIS B 0203)	Socket end
Body material	PVC		
Ball material	PVC		
Seat material	PTFE		
Stem seal material	EPDM O-ring / FKM O-ring		
Size	15A, 20A, 25A, 40A, 50A		

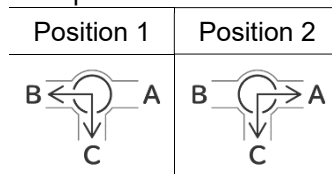
### Cv value

Size	15A	20A	25A	40A	50A
Cv value	5	10	16	38	56

### Valve model code configuration

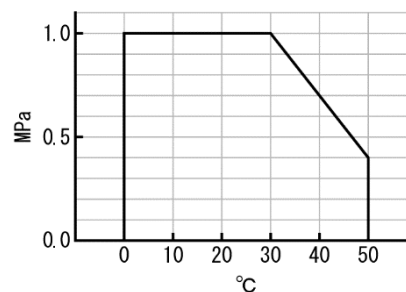


### Flow paths



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

### Pressure & Temperature rating



### Notes for pipe design

- Do not use for gas or other compressible fluids.
- If hydrogen peroxide or other chemicals that tend to generate gas by decomposition are used, the gas generated may cause high pressure inside the valve and damage the valve.
- Always avoid areas where water or dust may be splashed or exposed to direct sunlight.

# Valve Specification

The TP series is a lightweight plastic three-way ball valve with excellent chemical resistance. Three connection methods, and two different O-ring materials are available to meet the requirements of the pipes and fluids. The combination of these valves can be used for a wide range of applications.

## Specifications

Model	TP
Type	Horizontal three-way plastic ball valve, T standard-port
Structure	Four-sided seat
Fluid	Water, Chemicals, Sea water
Flow direction	Switching the flow path
Max working pressure	1 MPa
Max allowable pressure	1 MPa

## Production range

Connection	JIS 10K FF Flanged end	Threaded end Rc (JIS B 0203)	Socket end
Body material	PVC		
Ball material	PVC		
Seat material	PTFE		
Stem seal material	EPDM O-ring / FKM O-ring		
Size	15A, 20A, 25A, 40A, 50A		

## Cv value

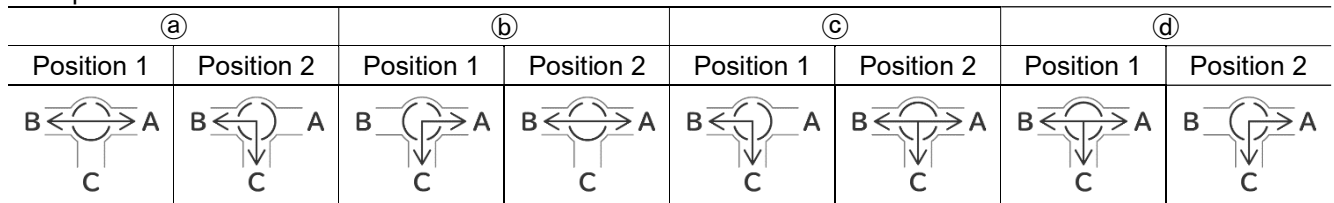
	Size	15A	20A	25A	40A	50A
Cv value	L direction	4	8	14	30	45
	Straight direction	7	14	24	50	80

## Valve model code configuration

**TP 1 P P E - 025 - a**

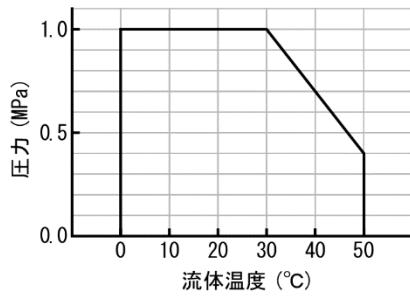
- TP: Model
- 1: Connection ①: JIS 10K Flanged end ⑤: Threaded end Rc ⑦: Socket end
- P: Body material ①: PVC
- P: Ball material ①: PVC
- E: Stem seal material ①: EPDM ②: FKM
- 025: Size. Enter three digits. ex. 25A is 025
- a: Flow paths. Please refer to the table below.

## Flow paths



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

## | Pressure &amp; Temperature rating



## Notes for pipe design

- Do not use for gas or other compressible fluids.
- If hydrogen peroxide or other chemicals that tend to generate gas by decomposition are used, the gas generated may cause high pressure inside the valve and damage the valve.
- Always avoid areas where water or dust may be splashed or exposed to direct sunlight.