

# 10K

## Features

1. A general valve based on the 20K type. Can be used for a range of specifications.
2. Support for special fluids by exchanging the packing, gasket and main parts. Please consult with us separately. – We also undertake maintenance using genuine parts.
3. The main parts are made with 13Cr stainless steel and can be used up to 300°C.

## Product Types

Globe, Gate, Check, Needle, Bellows seal, Ball valves and Strainers

### △Caution:

- A cobalt-base alloy (Co-Cr-W alloy) for the valve seat surface is recommended in case of use in the following conditions.
  1. In case of steam piping with a nominal diameter of 150A (6B) or higher.
  2. In case of steam piping when the pressure is 0.98 MPa or higher, and the frequency of opening and closing is high.
  3. In case of use with fluids in a dry state.
  4. In case of piping for chemicals where corrosion resistance is required, and the main parts of the valve are 18Cr-8Ni stainless steel

## Fluid • Temperature • Pressure

Unit: MPa

Maximum working pressure by product type MPa	Service temperature limit by fluid (°C)		Steady water flow		Oil, air, steam, pulsating water					LPG	City gas		
	80	120	80	120	80	120	183	220	250	300	120	80	120
Globe	Standard, needle valve			1.37				1.18		0.98			
	Bellows			1.37			1.18						
	Reinforced PTFE disc			1.37									
	V-port valve				0.98							0.98	
	Gate			1.37				1.18		0.98			
Check	Standard			1.37				1.18		0.98			
	Reinforced PTFE disc			1.37				0.98					
	NBR disc		1.37		1.37								
Ball	For general use			1.37			1.28		0				
	For gas										1.18		0.98

\*1 Heat-resistant coating is recommended in case the service temperature exceeds 180°C

## Test Pressure

Unit: MPa

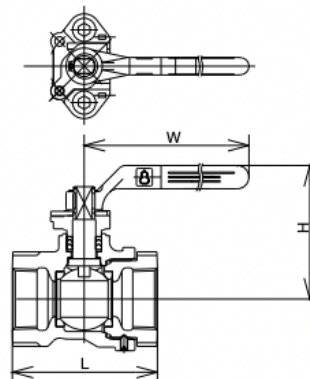
Product Type	Test description		Body pressure resistance		Valve seat leakage	
	Water pressure	Air pressure	Water pressure	Air pressure	Water pressure	Air pressure
Globe, needle, V-port, gate, check, ball valves	2.10				1.54	
Bellows seal valve				1.00		1.00
Ball valve for gas				1.80		1.32

Product Code **BM10KS2B** 10K

Ball Valve for General Use Screwed 1-stage Reduced Bore

Product Name	Material	Remarks
Body	FCD-S	
Ball	SCS13A	
Stem	SUS403	
Seat ring	FT seat	
Handle	FCMB340	Color: Blue
Gasket	SUS304	
Gland Packing	PTFE	

△ Indicator: Blue  
External stopper/ Valve stem: widths across flats



Nominal diameter (B)	1/2	3/4	1	1¼	1½	2
L	66	75	87	100	115	130
H	69	73	76	92	96	104
W	120	120	120	150	150	220

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Ball Valve for