

General-purpose

Features

1. This is the economical Malleable/Ductile iron valve. A ready substitute for bronze valves installed with steam piping. A tensile valve.
2. The main parts are mostly stainless steel, which is far more resistant to abrasion than bronze valves.
3. Perfect for iron pipes and resistant to corrosion because of the contact potential difference.

Product Types

Globe, Gate, Check, Strainer and Mini ball valves

△Caution: Oil specification

1. Can be used with: Heavy oil (A, B, C), lubricant oil, turbine oil (#90 and up), coal tar, pitch
2. Not recommended for use with: Crude oil, naphthalene, gasoline, heating oil (kerosene), light oil, turbine oil (#80 and down), heat transfer oil

Fluid • Temperature • Pressure

Unit: MPa

Maximum working pressure by product type MPa	Service temperature limit by fluid used (°C)	Steady water flow			Steam, air, gas, oil, pulsating water					LPG		City gas
		50	80	120	80	120	160	183	220	80	120	120
Globe	Standard			1.37					0.98			
	Reinforced PTFE disc			1.37				0.98				
	For LPG					0.98					0.19	
Check	Gate/Strainer			1.37					0.98			
	Standard			1.37				0.98				
	Reinforced PTFE disc			1.37				0.98				
	NBR disc		1.37		0.98							
Mini ball	Inline			1.37			0.98					
	600 model	4.11			0.98 (air)	1.96 (oil)		0.98 (steam)				
	400 model	2.74			0.98 (air)	1.96 (oil)		0.98 (steam)				
	For LPG									0.19		
	For city gas											0.098

Test Pressure

Unit: MPa

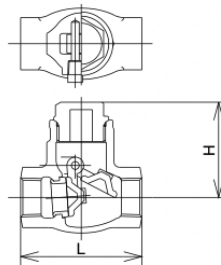
Model	Test description	Valve body pressure resistance		Valve seat leakage	
		Water pressure	Air pressure	Water pressure	Air pressure
Globe, Gate, check valves		2.06		1.51	
Globe valve for LPG		0.78			0.29
Strainer		2.06			
Mini ball	MB2-MBT2-UB2-UBT2	6.18			0.59
	MB1-MBT1	4.12			0.59
	ML1-MLC1		0.29		0.29
	MG1-MGC1-MGR0		0.15		0.15

Product Code **HM10SCS**

General-purpose 10K

Check valve (Swing) Screwed

Product Name	Material	Remarks
Body	FCMB-S35	
Cover	SUS403	
Disc	SCS1	
Seat ring	SUS403	
Hinge pin	SUS416	
Plug	SWCH10K	



Nominal diameter (B)	1/2	3/4	1	1¼	1½	2
L	65	80	90	105	120	140
H	51	57	61	73	81	92