

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 |

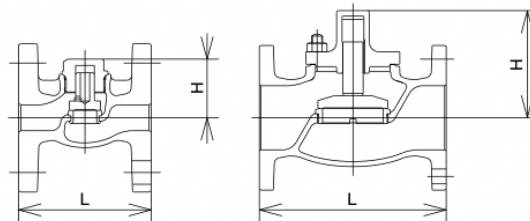
Product Code **HM10KFC**

General-purpose 10K

Check valve (Lift) Flanged

| Product Name | Material | Remarks |
|--------------|----------|--------------------------|
| Body | FCD-S | |
| Cover | SUS403 | Nominal diameter: 10-50A |
| | SCS1 | Nominal diameter: 65-80A |
| Disc | SUS403 | |
| Seat ring | SUS403 | |
| Gasket | H1215 | Nominal diameter: 65-80A |

△Cover top: No marks
(Marked with "S" if a spring is contained)



| Nominal diameter (A) | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 |
|----------------------|------|------|------|------|-----|-----|------|-----|-----|
| L | 85 | 85 | 95 | 110 | 130 | 150 | 180 | 210 | 240 |
| H | 37.5 | 37.5 | 43.5 | 47.5 | 54 | 62 | 70.5 | 114 | 137 |