



CHECK VALVE

MODEL CK3MG

HIGH-CAPACITY DISK TYPE CHECK VALVE WITH CENTER GUIDED VALVE DISC

Features

All stainless steel check valve for steam and water.

1. Fine-machined metal valve seat provides tight closure.
2. Stainless steel body and internal parts ensure long service life.
3. Smooth movement of the center guided valve disc further increases durability.
4. Low pressure drop due to large flow area.
5. Performance assured with installation in either horizontal or vertical pipelines.



Specifications

Model	CK3MG	
Connection	Screwed	
Size (mm)	25, 40, 50, 80	
Sealing Surface*	Stainless Steel	
Maximum Operating Pressure (MPaG)	PMO	2.1
Minimum Opening Differential Pressure** (MPa)	0.001	
Maximum Operating Temperature (°C)	TMO	220
Applicable Fluids***	Steam, Water	

* Perfect sealing cannot be guaranteed for metal sealing surfaces.

1 MPa = 10.197 kg/cm²

** When the valve has remained closed for a long period of time, the valve and the valve seat may stick, increasing the necessary minimum opening differential pressure.

*** Do not use for toxic, flammable or otherwise hazardous fluids

PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 3.2
Maximum Allowable Temperature (°C) TMA: 220



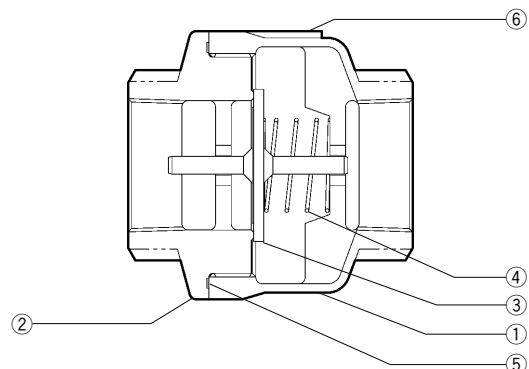
To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

No.	Description	Material	JIS	ASTM/AISI*
①	Valve Body	Cast Stainless Steel	—	A351 Gr.CF8
②	Inlet Union	Cast Stainless Steel	—	A351 Gr.CF8
③ ^R	Valve Disc	Stainless Steel	SUS304	AISI304
④ ^R	Coil Spring	Stainless Steel	SUS304	AISI304
⑤ ^{MR}	Union Gasket	Fluorine Resin	PTFE	PTFE
⑥	Nameplate	Stainless Steel	SUS304	AISI304

* Equivalent

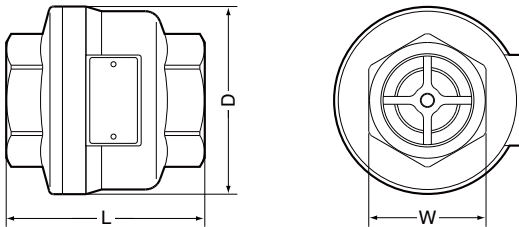
Replacement kits available: (M) maintenance parts, (R) repair parts

When requesting replacement kits, please specify the Minimum Opening Differential Pressure.



Dimensions

● **CK3MG** Screwed



CK3MG Screwed* (mm)

Size	L	φD	W	Weight (kg)
25	84	70	41	1.0
40	122	102	60	2.6
50	127	120	75	3.7
80	171	151	100	5.5

* Rc(PT), other standards available

Cv Values

Size (mm)	25	40	50	80
Cv (US)	25	55	91	180
Cv (UK)	21	46	76	150
Kvs (DIN)	21	47	78	154

Manufacturer

ISO 9001/ISO 14001

TLV CO., LTD.
Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

