



CHECK VALVE

MODEL CK3MG STAINLESS STEEL

DISC TYPE CHECK VALVE WITH LOW PRESSURE DROP

Features

Compact check valve for steam, water and other fluid services.

1. Fine-machined metal valve seat and center-guided disc provide tight closure and durability.
2. Stainless steel body and internal parts ensure long service life.
3. Center-guided design offers even greater performance assurance.
4. For installation in either vertical or horizontal pipelines.
5. Simple construction eliminates problems.
6. Low pressure drop due to large flow area.



Specifications

Model		CK3MG
Connection		Screwed
Size		1", 1½", 2", 3"
Maximum Operating Pressure (barg)	PMO	21
Minimum Opening Differential Pressure (bar)		0.01
Maximum Operating Temperature (°C)	TMO	220
Minimum Operating Temperature (°C)		-100*
Application		Steam, Hot & Cold Water, etc.**

* Subject to limitations of freezing point of fluid

** Consult with TLV for hazardous or flammable fluids

1 bar = 0.1 MPa

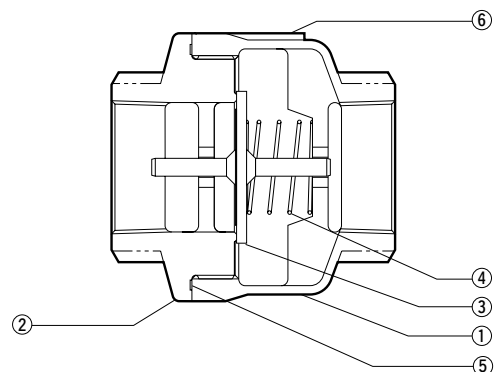
PRESSURE SHELL DESIGN CONDITIONS (**NOT** OPERATING CONDITIONS): Maximum Allowable Pressure (barg) PMA: 32
Maximum Allowable Temperature (°C) TMA: 220



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.

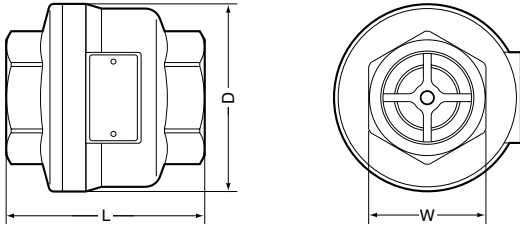
No.	Description	Material	DIN*	ASTM/AISI*
①	Valve Body	Cast Stainless Steel A351 Gr. CF-8	1.4308	—
②	Inlet Union	Cast Stainless Steel A351 Gr. CF-8	1.4308	—
③	Valve Disc	Stainless Steel SUS304	1.4301	AISI304
④	Coil Spring	Stainless Steel SUS304	1.4301	AISI304
⑤	Union Gasket	Fluorine Resin PTFE	PTFE	PTFE
⑥	Nameplate	Stainless Steel SUS304	1.4301	AISI304

* Equivalent materials



Dimensions

● **CK3MG** Screwed



CK3MG Screwed* (mm)

Size	φ D	L	W	Weight (kg)
1"	70	84	41	1.0
1½"	102	122	60	2.6
2"	120	127	75	3.7
3"	151	171	100	5.5

* BSP DIN 2999, other standards available

Cv & Kvs Values

Size	Kvs (DIN)	Cv (UK)	Cv (US)
1"	21	21	25
1½"	47	46	55
2"	78	76	91
3"	154	150	180

Manufacturer

ISO 9001/ISO 14001

TLV® CO., LTD.
Kakogawa, Japan

is approved by LRQA Ltd. to ISO 9001/14001

