



Coreline

FIG. 63M CHECK VALVE DUAL PLATE



Fig.63M / 2022-03-18

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GENERAL APPLICATIONS

- Water supply systems as distribution and treatment
- Heating
- Shipbuilding
- Industrial processes

Specifications

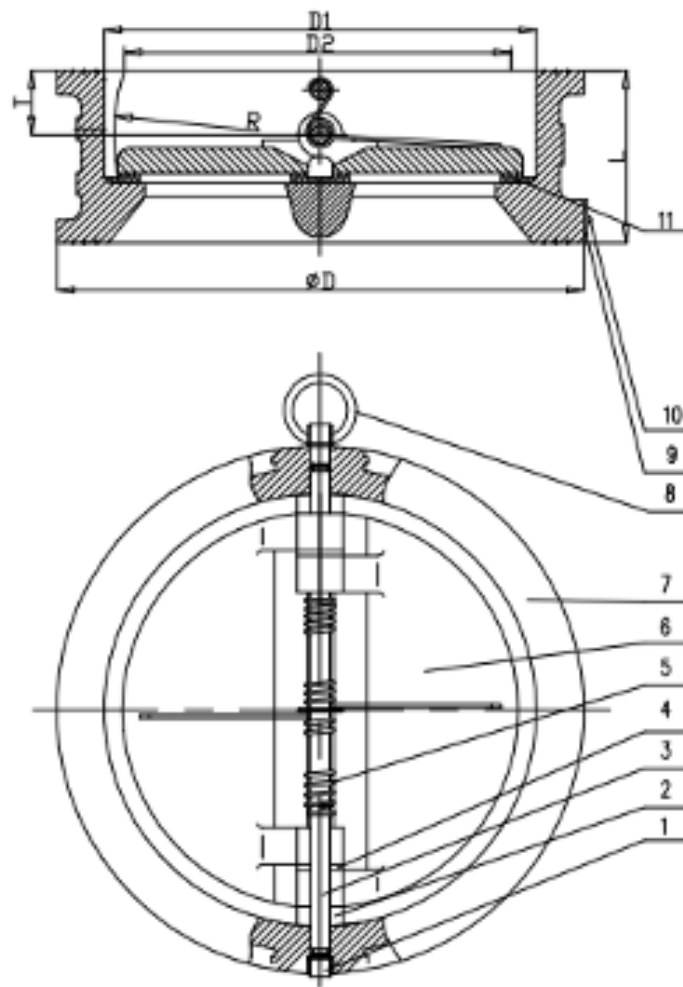
The Dual plate check valve Fig.63M is a soft seated, one-way directional valve that allows flow in one direction and prevents reverse flow by spring forced plates.

The dual plate check valve Fig.63M should be installed horizontally with the disc-shaft in vertical position

Connection:	Wafer
Nominal diameter:	DN50-DN400
Pressure rating:	16 bar for DN50 – DN400
Temperature range:	-35 Deg C - +130 Deg C (for EPDM seat)
Flange accommodation:	PN10, PN16, 150LB, JIS10K

Standards

Design:	EN12334
Face to face:	ISO5752
Inspection and test:	EN12266-1
End standard:	EN1092-2 PN10/PN16



Part list and material description

Item	Designation	Materials
1	Plug	SS316
2	Washer	PTFE
3	Pin	SS316
4	Washer	PTFE
5	Spring	SS316
6	Plate	CF8M
7	Body	EN1563 EN-GJS-400-15
8	Eyebolt (>= DN200)	SS316
9	Nameplate	Stainless steel
10	Plate rivet	Stainless steel
11	Seat	EPDM
/	Surface treatment	RAL7001 ISO 12944 C5

Dimensions and Technical data

Dimensions (mm)

Size	D	D1	D2	L	R	T
DN50	107	65,5	45,7	43	29,7	19
DN65	127	80,5	60,2	46	36,1	20
DN80	142	94,5	66,4	64	43,3	28
DN100	162	117,5	97,3	64	55,7	27
DN125	192	145,5	121,3	70	67,7	30
DN150	218	171	144,5	76	78,6	31
DN200	273	225	198,2	89	104,4	33
DN250	328	266	235,8	114	128,1	50
DN300	378	311	283,8	114	148,3	43
DN350	438	361	333,8	127	172,6	44
DN400	489	411	381	140	197,4	52

Flow coefficient and pressure loss

Size	Cv ⁽¹⁾	Kv ⁽²⁾
DN50	63	54
DN65	81	70
DN80	185	160
DN100	363	314
DN125	576	498
DN150	968	837
DN200	2019	1747
DN250	3497	3025
DN300	5333	4613
DN350	6576	5689
DN400	9045	7824

1: The flow of water in US gallons per minute (gpm) at a differential pressure of 1lb/in².

2: The flow of water in cubic meters per hour (m³/hr) at a differential pressure of 1 bar.