

## WAFER PN16 DUAL PLATE

## CHECK VALVE

## Key features:

- CF8M stainless steel body
- CF8M stainless steel plates
- 316 stainless steel stop, hinge pin, axle, and spring
- PTFE washers, and Viton seat
- Available sizes: 2" to 10"
- To fit between EN10902-1 DIN PN16 flanges
- Pressure rated: 40 bar
- Temperature rated: -25 °C to +150°C



## DETAILS

A wafer dual plate check valve with a CF8M stainless steel body.

The valve features a CF8M stainless steel plates, 316 stainless steel stop, hinge pin, axle, and spring, PTFE washers, and a Viton seat vulcanised into a body slot.

Available in sizes 2" (DN50) 2½" (DN65), 3" (DN80), 4" (DN100), 5" (DN125), 6" (DN150), 8" (DN200), and 10" (DN250), to fit between EN10902-1 DIN PN16 flanges.

The valves are designed to fit between flanges within the PCD of the flange bolts, and require flange gaskets to be used.

Both sealing plates fold back giving the valve excellent flow characteristics, especially on water duties.

These valves are pressure 40 bar, and are temperature rated -25°C to +150°C.

Face-to-face in accordance with EN558-1 (DIN 3202-K3), and CE marked in accordance with 2014/68/EU PED.

Call 01822 855600 to discuss your project or application further with a member of our technical team or contact us via our online form.

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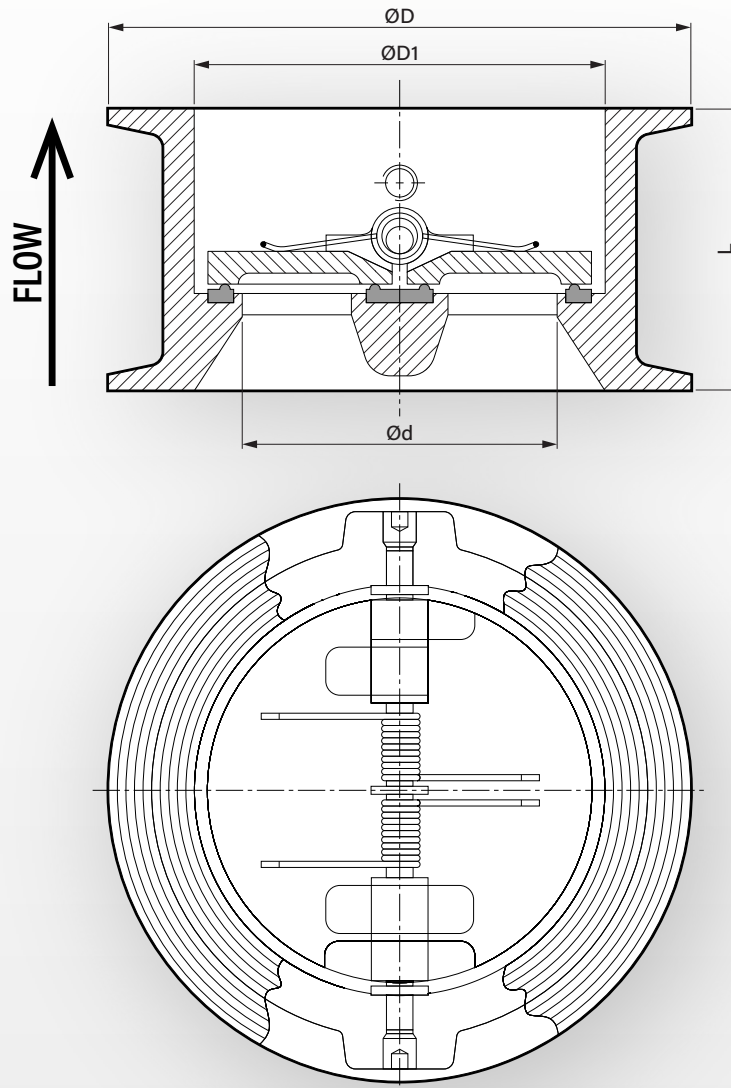


TABLE 1: DIMENSIONS IN MM

SIZE	Ød	ØD	ØD1	L	Weight
2"	48	101	65	43	0.98 kg
2½"	59	120	80	46	1.42 kg
3"	72	133	94	64	2.32 kg
4"	90	162	117	64	3.26 kg
5"	110	192	145	70	5.08 kg
6"	135	218	170	76	7.02 kg
8"	175	273	224	89	10.2 kg
10"	222	328	265	114	17.4 kg

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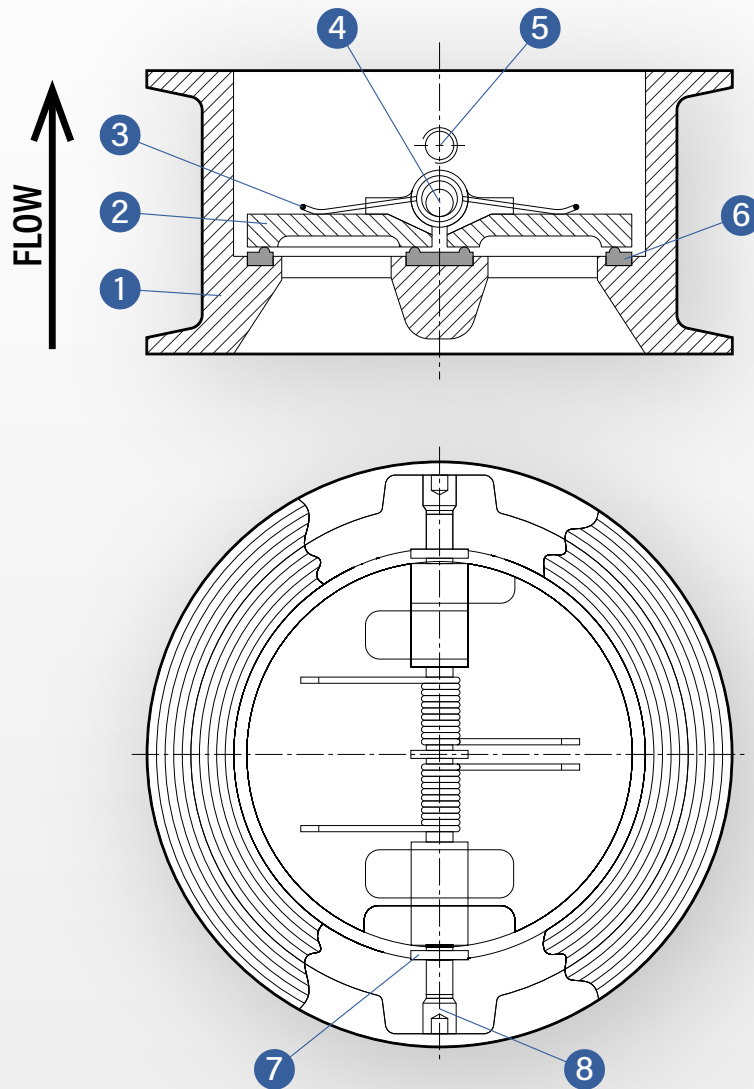


TABLE 2: PARTS AND MATERIALS

Item	Part	Material	Quantity
1	Body	CF8M	1
2	Disc	CF8M	2
3	Spring	SS316	2
4	Axle	SS316	1
5	Disc stopper	SS316	1
6	Seat	VITON	1
7	Washer	PTFE	7
8	Plug	SS304	4

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CHART 1: PRESSURE -TEMPERATURE RATING

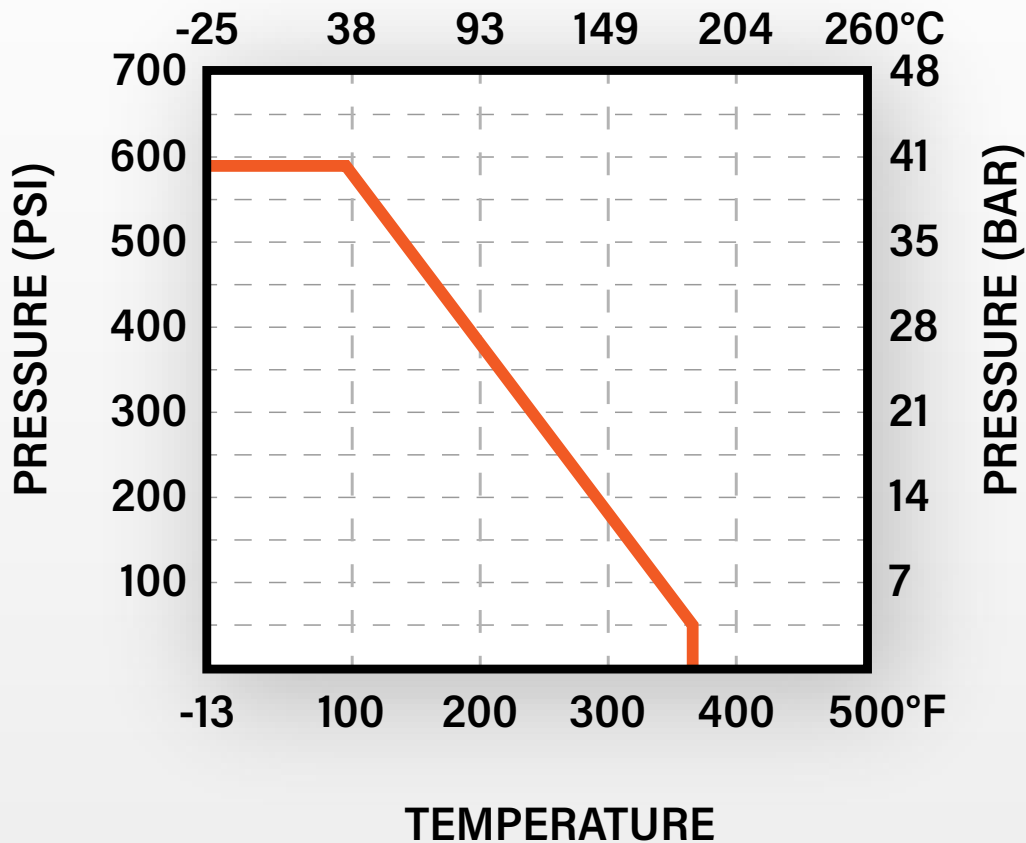


TABLE 3: FLOW RATES IN MBAR

Size	Vertical Upward Flow (mbar)	Vertical Downward Flow (mbar)	Horizontal Flow (mbar)	Vertical Upward Flow Without Spring (mbar)
2"	22.8	22	22.4	0.4
2½"	22.8	22	22.4	0.4
3"	22.8	22	22.4	0.4
4"	24	23	23.5	0.5
5"	24.5	23.5	24	0.5
6"	24.77	23.5	24.1	0.6
8"	25.4	24	24.7	0.7
10"	26.6	25	25.8	0.8

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TABLE 4: PART NUMBERS

Size	DN	SKU
2"	DN50	CV5186-144460
2½"	DN65	CV5186-144461
3"	DN80	CV5186-144462
4"	DN100	CV5186-144463
5"	DN125	CV5186-144464
6"	DN150	CV5186-144465
8"	DN200	CV5186-144466
10"	DN250	CV5186-144467