

CHECK VALVES · WAFER PATTERN

CVWS Single Disc Wafer Check Valve

Single disc swing pattern wafer check valve with an epoxy coated cast iron body and an SS316 disc on a top mounted hinge pin. Short face-to-face wafer body fits between PN16 flanges without additional support.

SINGLE DISC

WAFER BODY

PN16 DRILLING

DIN 3202-K3



FEATURES

- Spring assisted single disc swing action for fast, quiet closure
- Epoxy coated cast iron wafer body
- SS316 disc, hinge pin and spring
- Resilient seat for tight low pressure sealing
- Short face-to-face body reduces installed weight and pipe loading
- Lifting eye fitted for safe handling on larger sizes

APPLICATIONS

- Mine site dewatering
- Raw water
- Wastewater treatment
- Irrigation
- Pump discharge protection
- Fire protection
- Mining and industrial applications

TECHNICAL SPECIFICATIONS

Face to face	DIN 3202-K3
Pressure rating	PN16 / 16 bar
Flange drilling	EN 1092-2 PN16
Body	Epoxy coated cast iron
Disc, hinge pin, spring	Stainless steel 316
Applications	Water

Size range, dimensions, weights and seat material are confirmed on order. Other configurations can be manufactured upon request.

DIMENSIONS (MM)

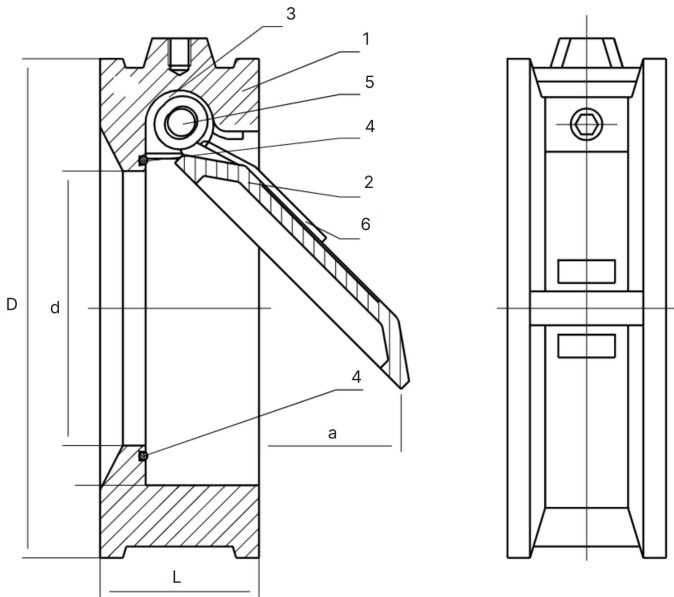
DN	L	D EN 1092-2 PN16	a	d
50	44.5	106	29	33
65	48	126	30	47
80	51	141	56	52
100	57	161	75	76
125	63.5	191	95	95
150	70	217	114	121
200	73	272	156	168
250	79	337	187	194
300	86	382	222	241
350	108	446	229	267
400	108	515	248	318
450	108	550	300	356
500	140	610	324	387
600	152	733	387	423

PARTS LIST

No.	Name	Material
1	Body	Cast iron / ductile iron
2	Disc	SS316
3	Hinge arm	Stainless steel
4	Seat	NBR
5	Hinge pin	SS316
6	Spring	SS316

Item numbers refer to the sectional view above.

CONSTRUCTION DETAIL



Sectional view (left) showing the single disc swung open on its top hinge pin, and outlet face view (right). Reference dimensions D body OD, d seat bore, a seat face, L face-to-face.

Designs, materials and specifications shown are subject to change without notice due to our continuing program of product development. Confirm critical dimensions with Global Water Group prior to fabrication.