

CHECK VALVES · SWING PATTERN

CVFRS Resilient Seat Swing Check Valve

Flanged swing check valve with a fusion bonded epoxy coated ductile iron body, NBR encapsulated ductile iron disc and a vulcanised NBR seat. DN50 to DN300, PN16.

- DUCTILE IRON · FBE
- DN50 – DN300
- PN16 / 1600 KPA
- VULCANISED NBR SEAT



FEATURES	APPLICATIONS
- PN16 pressure rated - Flanged ductile iron body with fusion bonded epoxy coating - NBR rubber encapsulated ductile iron disc - Vulcanised NBR liner / seat as standard configuration - Low head loss from the aerodynamic streamlined body form - Single one piece moving disc — no external counterweights required to aid sealing - Available in AS 2129 Table D and Table E flange patterns	- Mine site dewatering - Raw water - Wastewater treatment - Salt water applications - Irrigation - Abrasive slurries - Corrosive chemicals - Fire protection - Mining and industrial applications

TECHNICAL SPECIFICATIONS	
Flange compatibility	AS 2129 Table D and Table E
Size range	DN50 to DN300
Pressure range	0 to 16 bar (1600 kPa)
Media temperature	0 to 80 °C
Seat	Vulcanised NBR
Applications	Water

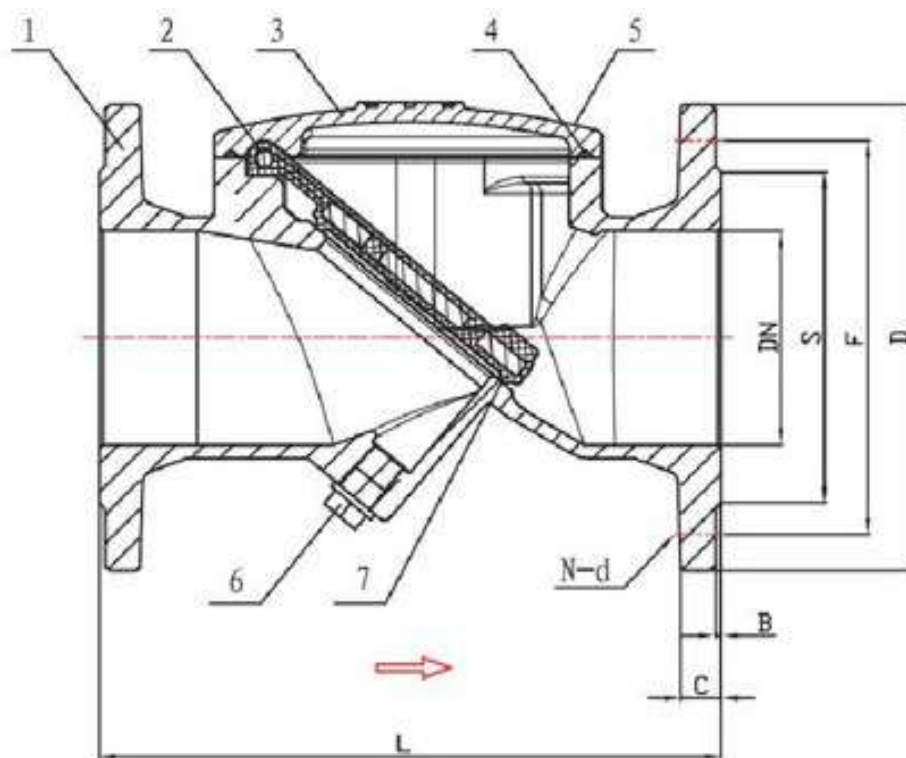
Other configurations can be manufactured upon request.

DIMENSIONS

Code	DN (mm)	Flange	S	F	D	B	C	L	N-d	Weight (kg)
CVFRSE050	50	Table D/E	99	125	165	3	19	203	4 – 18	—
CVFRSE065	65	Table D/E	118	145	185	3	19	216	4 – 18	—
CVFRSE080	80	Table D/E	132	160	200	3	19	241	4 – 18	15
CVFRSE100	100	Table D/E	156	180	220	3	19	292	8 – 18	21
CVFRSE150	150	Table D/E	211	240	285	3	19	356	8 – 22	40
CVFRSE200	200	Table D/E	266	295	340	3	20	495	8 – 22	76
CVFRSE250	250	Table D/E	319	355	405	3	22	622	12 – 22	122
CVFRSE300	300	Table D/E	370	410	460	4	24.5	698	12 – 26	218
CVFRSD100	100	Table D	156	180	220	3	19	292	4 – 18	21
CVFRSD250	250	Table D	319	355	405	3	22	622	8 – 22	122

All dimensions in millimetres. L face-to-face, D flange OD, F bolt circle, S seat bore, B / C flange detail, N-d number and diameter of bolt holes.

CONSTRUCTION DETAIL



No	Item	Material
1	Body	FBE coated ductile iron
2	Core rod	2Cr13 stainless steel
3	Cover	FBE coated ductile iron
4	Cover gasket	NBR
5	Bolts	SS304
6	Drain plug	BSPT SS304
7	Disc	NBR coated ductile iron

Sectional view — item numbers as tabled alongside; arrow indicates flow direction.

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.