

CHECK VALVES · SWING PATTERN

CVFWA150 Flanged WCB Swing Check Valve

Full bore metal seated swing check valve with a cast carbon steel (WCB) body and silver primer coating. DN50 to DN300, ANSI 150 flanged, rated to 20 bar and 220 °C.

CARBON STEEL WCB

DN50 – DN300

ANSI 150 · 20 BAR

METAL SEAT · FULL BORE



FEATURES

- 0 to 20 bar pressure rated
- Flanged carbon steel (WCB) body with silver primer coating
- Metal seat, full bore design
- Media temperature 0 to 220 °C
- Available in sizes DN50 to DN300
- ANSI 150 flange pattern
- Large flow rate and low head loss — full bore body with a recess for the disc to sit in when fully open

APPLICATIONS

- Liquid fuels
- Diesel
- Oils
- General industrial liquid service

STANDARDS

- Designed to BS 1868
- Flanges to ASME/ANSI B16.5
- Face to face to ASME B16.10
- Testing and inspection to API 598

OPERATIONAL SPECIFICATIONS

Model	DN (mm)	Pressure range	Media temperature
CVFWA150-050	50	0 to 20 bar	0 to 220 °C
CVFWA150-065	65	0 to 20 bar	0 to 220 °C
CVFWA150-080	80	0 to 20 bar	0 to 220 °C
CVFWA150-100	100	0 to 20 bar	0 to 220 °C
CVFWA150-125	125	0 to 20 bar	0 to 220 °C
CVFWA150-150	150	0 to 20 bar	0 to 220 °C
CVFWA150-200	200	0 to 20 bar	0 to 220 °C
CVFWA150-250	250	0 to 20 bar	0 to 220 °C
CVFWA150-300	300	0 to 20 bar	0 to 220 °C

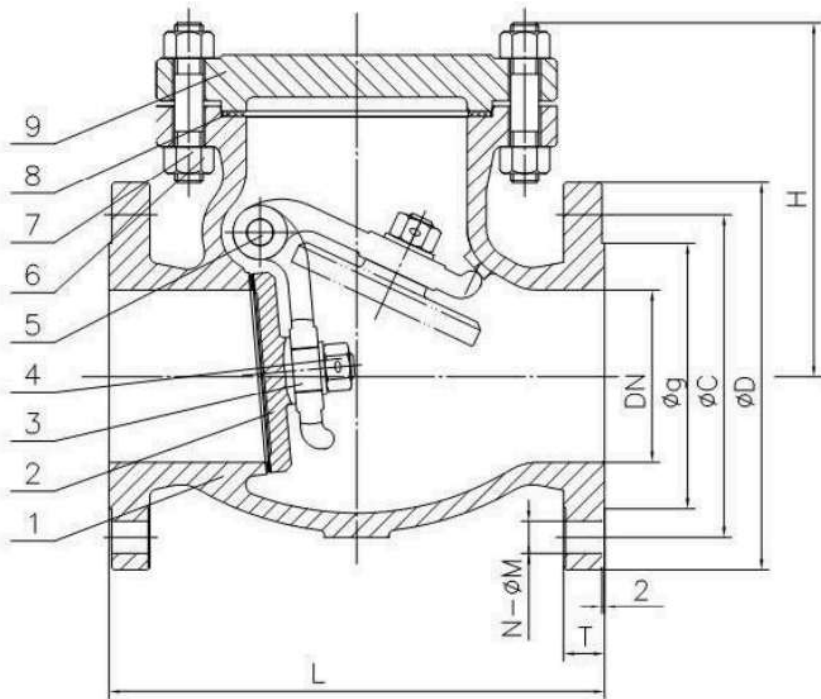
Other configurations can be manufactured upon request.

DIMENSIONS

Code	DN (mm)	Flange	D	C	G	T	L	H	N-M	Weight (kg)
CVFWA150-050	50	ANSI 150	152	120.5	92	15.9	203	155	4-19	12
CVFWA150-065	65	ANSI 150	178	139.5	105	17.5	216	165	4-19	15
CVFWA150-080	80	ANSI 150	190	152.5	127	19.1	241	185	4-19	21
CVFWA150-100	100	ANSI 150	229	190.5	157	23.9	292	196	8-19	36
CVFWA150-125	125	ANSI 150	254	216	186	23.9	330	202	8-22	47
CVFWA150-150	150	ANSI 150	279	241.5	216	25.4	356	225	8-22	61
CVFWA150-200	200	ANSI 150	343	298.5	270	28.6	495	263	8-22	109
CVFWA150-250	250	ANSI 150	406	362	324	30.2	622	285	12-25	200
CVFWA150-300	300	ANSI 150	483	432	381	31.8	698	320	12-25	270

All dimensions in millimetres unless shown otherwise. L face-to-face, D flange OD, C bolt circle, G raised face, T flange thickness, H overall height, N-M number and diameter of bolt holes.

CONSTRUCTION DETAIL



No	Item	Material
1	Body	WCB welding 13Cr
2	Disc	WCB welding 13Cr
3	Hinge	WCB
4	Nut	304 SS
5	Hinge pin	304 SS
6	Nut	304 SS
7	Stud	304 SS
8	Gasket	304 SS + graphite
9	Bonnet	WCB

Sectional view — item numbers as tabled alongside.

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.