



Data Sheet 1.116

Issue A



Flanged Swing Check Valve Fig.307

General Description

Rapidrop Fig.307 is a rubber faced, flanged swing type check valve that allows water flow in one direction only. A hinged clapper remains open with water flowing in one direction, and automatically closes, with the help of an incorporated spring, when flow stops preventing backflow. Removable cover allows easy access for inspection and maintenance. Rapidrop Fig.307 check valve is suitable for installation in both horizontal and vertical position (with the flow upwards).

Connections

- ANSI Class 125/150 Flange
- PN16 RF Flange

Maximum Working Pressure

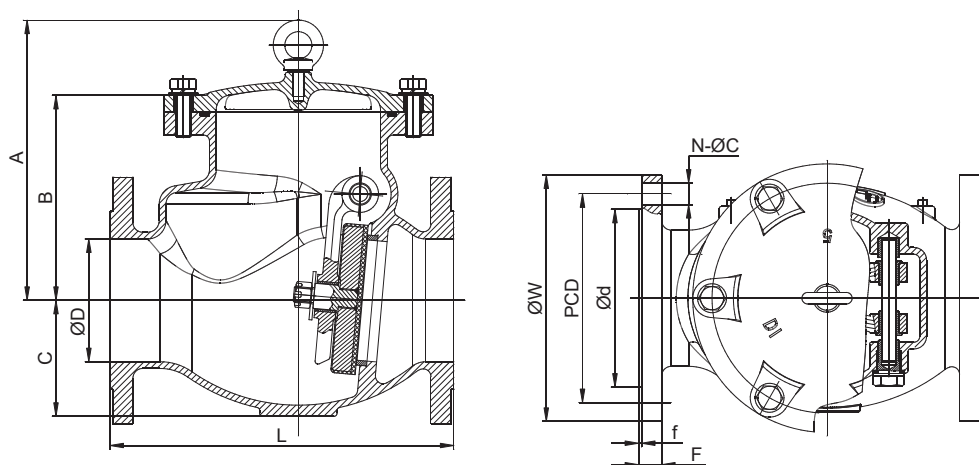
20.7 bar (300 psi)

Coating

Fusion Bonded Epoxy Coating In accordance with ANSI/AWWA C550

Approvals

FM Approved
UL Listed

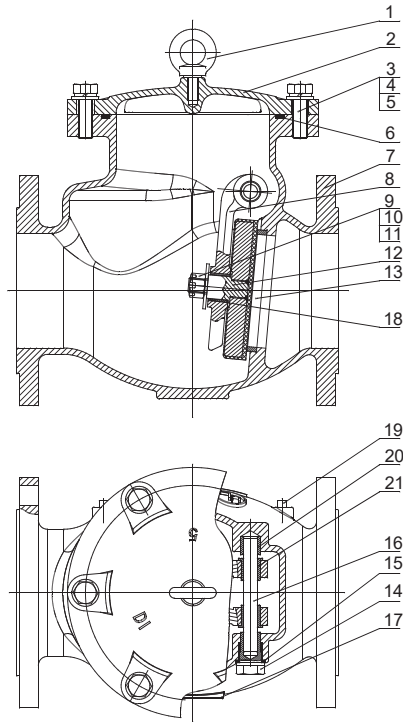


Dimensions

Sizes		Dimensions (mm)											Weight kg
mm	Inch	A	B	C	ØD	L	ØW	F	PCD	N-ØC	Ød	f	
DN50	2"	/	117	66	50	203	165	19	120.7	4-19	92.1	2	12
DN65	2 1/2"	/	128	72	65	254	185	19	139.7	4-19	104.8	2	18
DN80	3"	/	132.5	85	82	279	200	19	152.4	4-19	127	2	22
DN100	4"	222.5	158.5	106	102	330	230	23.8	190.5	8-19	157.2	2	34
DN125	5"	290	212	120	127	356	255	23.8	216	8-22	185.7	2	58
DN150	6"	297	222	136	152	406	280	25.4	241.3	8-22	215.9	2	67
DN200	8"	365	265	163.5	203	495	345	28.6	298.5	8-22	269.9	2	120
DN250	10"	417.5	303	200	254	559	405	30.2	362	12-25	323.8	2	174
DN300	12"	453	333	248.5	300	660	485	31.8	431.8	12-25	381	2	246

Flanged Swing Check Valve

Fig.307



Installation

The valve must be installed with the direction arrow on the body coincident with the direction of the flow in the pipeline. Rapidrop flanged swing check valve can be installed horizontally or vertically. For vertical pipework the flow direction should be upwards only. Large valves are provided with lifting eye bolt, which should be used to manoeuvre the valve.

Material Specification

Part No	Description	Material
1*	Lifting Bolt*	Carbon Steel
2	Cover	Ductile Iron
3	Hexagon Head Bolts	Gr. 8.8
4	Washer	Carbon Steel
5	Spring Washer	Carbon Steel
6	O-Ring	EPDM
7	Body	Ductile Iron
8	Rocker	Ductile Iron
9	Hexagonal Slot Thin Nut	Stainless Steel 304
10	Washer	Stainless Steel 304
11	Split Pin	Stainless Steel 304
12	Disc	Stainless Steel 304+Q235+EPDM
13	Seat	Brass
14	Shaft Hole Plug	Stainless Steel 304
15	Plug with Gasket	EPDM
16	Radial Spindle	Stainless Steel 304
17	Scutcheon	Stainless Steel 304
18	Swing Arm Sleeve	Aluminium Bronze
19	Plug	Stainless Steel 304
20	Axle Hole Sleeve	Aluminium Bronze
21	Shaft Sleeve	Aluminium Bronze

*For sizes DN100 to DN300 (4" to 12")

Pressure Loss Graph

