

1083 Cast Iron Non Return Valve PN 1.0 (Flanged)



Salient Features

- Design Standard IS 5312 - 1.
- Flanged Ends to IS 1538.
- Seating design - Swing Type.
- Bolted Cover.
- Renewable Seat with Premium Quality Rubber Flap.
- Flexible installation (Horizontal / Vertical)

PN 1.0 -

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.0 MPa

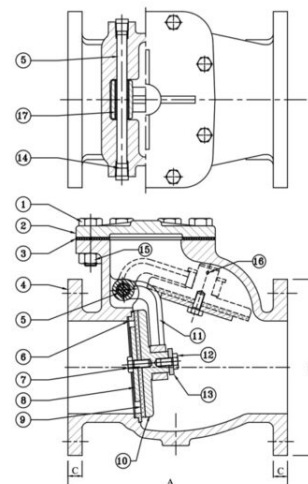
Maximum Working Temperature : 80°C

Suitable For

Water

Materials

P.No.	Name of Part	Material of Material	Specification	Qty.
1	Bolts	Carbon Steel	IS 1363 Part 1 Class 4.6	As Reqd.
2	Cover	Cast Iron	IS 210 Gr. FG 200	1
3	Gasket	Nitrile Rubber	IS 638 Type B	1
4	Body	Cast Iron	IS 210 Gr. FG 200	1
5	Hinge Pin	Stainless Steel	IS 6603 Gr. X04 Cr19Ni9	1
6	Body Seat Ring	Bronze	IS 318 Gr. LTB 2	1
7	Bolts	Carbon Steel	IS 1363 Part 1 Class 4.6	1
8	Washer	Carbon Steel	- - -	1
9	Disc Facing	Nitrile Rubber	IS 638 Type B	1
10	Disc	Cast Iron	IS 210 Gr. FG 200	1
11	Hinge	Cast Iron	IS 210 Gr. FG 200	1
12	Bolt (Optional)	Carbon Steel	IS 1363 Part 1 Class 4.6	1
13	Washer	Carbon Steel	- - -	1
14	Plug	Stainless Steel	IS 6603 Gr. 12 Cr12	2
15	Nut	Carbon Steel	IS 1363 Part 3 Class 4.0	As Reqd.
16	Split Pin (Optional)	Carbon Steel	- - -	1
17	Hinge Bush	Bronze	IS 318 Gr. LTB 2	1



Sizes / Dimensions

Size (Inches)	Size (mm)	A	ØB	C
2*	50	203 ±2	165 (+1.5/-1.0)	16 +2
2 1/2*	65	216 ±2	185 (+1.5/-1.0)	16 +2
3	80	241 ±2	200 ±4.5	21 ±3
4	100	292 ±2	220 ±4.5	22 ±3
5	125	330 ±2	250 ±4.5	22.5 ±3
6	150	356 ±2	285 (+5.5/-2.5)	23 ±3
8	200	495 ±3	340 (+5.5/-2.5)	24.5 ±3
10	250	622 ±3	395 (+5.5/-2.5)	26 ±3
12	300	698 ±3	445 (+5.5/-2.5)	27.5 ±3

* Flanges as per IS 5312.

1083B Cast Iron Non Return Valve PN 1.0 (With Bye Pass Arrangement) (Flanged)



Salient Features

- Design Standard IS 5312 - 1.
- Flanged Ends to IS 1538.
- Seating design - Swing Type.
- Bolted Cover.
- Renewable Seat with Premium Quality Rubber Flap.
- Flexible installation (Horizontal / Vertical)

PN 1.0 -

Test Pressure (Hydrostatic) :

Shell : 1.5 MPa

Seat : 1.0 MPa

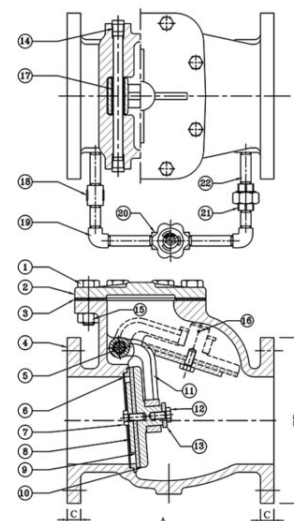
Maximum Working Temperature : 80°C

Suitable For

Water

Materials

P.No.	Name of Part	Material of Material	Specification	Qty.
1	Bolts	Carbon Steel	IS 1363 Part 1 Class 4.6	As Reqd.
2	Cover	Cast Iron	IS 210 Gr. FG 200	1
3	Gasket	Nitrile Rubber	IS 638 Type B	1
4	Body	Cast Iron	IS 210 Gr. FG 200	1
5	Hinge Pin	Stainless Steel	IS 6603 Gr. X04 Cr19Ni9	1
6	Body Seat Ring	Bronze	IS 318 Gr. LTB 2	1
7	Bolts	Carbon Steel	IS 1363 Part 1 Class 4.6	1
8	Washer	Carbon Steel	- - -	1
9	Disc Facing	Nitrile Rubber	IS 638 Type B	1
10	Disc	Cast Iron	IS 210 Gr. FG 200	1
11	Hinge	Cast Iron	IS 210 Gr. FG 200	1
12	Bolt (Optional)	Carbon Steel	IS 1363 Part 1 Class 4.6	1
13	Washer	Carbon Steel	- - -	1
14	Plug	Stainless Steel	IS 6603 Gr. 12 Cr12	2
15	Nut	Carbon Steel	IS 1363 Part 3 Class 4.0	As Reqd.
16	Split Pin (Optional)	Carbon Steel	- - -	1
17	Hinge Bush	Bronze	IS 318 Gr. LTB 2	1
18	Pipe Socket	S.G.Iron	IS 1865 Gr. SG400/15	1
19	Pipe Elbow	S.G.Iron	IS 1865 Gr. SG400/15	2
20	By Pass Valve	Bronze Gate valve	ISI Marked Class-1	1
21	Pipe Union	S.G.Iron	IS 1865 Gr. SG400/15	1
22	By Pass Pipe	Galvanized Iron	—	As Reqd.



Sizes / Dimensions

Size (Inches)	Size (mm)	A	ØB	C	By Pass Size
2*	50	203 ±2	165 (+1.5/-1.0)	16 +2	1/2"
2 1/2*	65	216 ±2	185 (+1.5/-1.0)	16 +2	1/2"
3	80	241 ±2	200 ±4.5	21 ±3	1/2"
4	100	292 ±2	220 ±4.5	22 ±3	1/2"
5	125	330 ±2	250 ±4.5	22.5 ±3	1/2"
6	150	356 ±2	285 (+5.5/-2.5)	23 ±3	1/2"
8	200	495 ±3	340 (+5.5/-2.5)	24.5 ±3	1"
10	250	622 ±3	395 (+5.5/-2.5)	26 ±3	1"

Size (Inches)	Size (mm)	A	ØB	C	By Pass Size
12	300	698 ±3	445 (+5.5/-2.5)	27.5 ±3	1.1/2"

* Flanges as per IS 5312 Part 1