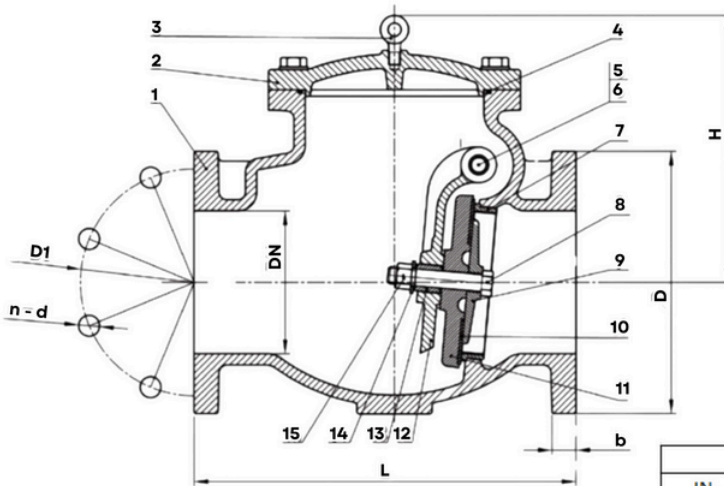


TECHNICAL DATA :

Manufacturing STD : API 609 Category A / IS: 13095 / BS EN 593
Testing & Inspection STD : EN 593 API 598 / API 6D
Face to Face : As Per ANSI B16.10
Shell Wall Thickness : ANSI B16.34
End Connections : Flanged As Per ANSI B16.5

APPLICATION :

- Vibration Absorption
- Compensation for Thermal Expansion and Contraction
- Alignment Correction
- Pressure Relief
- Corrosion Resistance
- Double Bellows Design
- High-Quality Construction



Item	Part	Material
1	Body	ASTM A536 Ductile Iron
2	Bonnet	ASTM A536 Ductile Iron
3	Eye Bolt	Carbon Steel Zinc Plated
4	O-Ring	EPDM
5	Hinge Pin	AISI 304
6	Hinge Bushing	Brass ASTM B16
7	Seat Ring	Bronze ASTM B62
8	Disc Seat Bolt	AISI 304
9	Retainer Washer	Bronze ASTM B62
10	Disc Sealing Ring	EPDM
11	Disc	ASTM A536 Ductile Iron
12	Clapper Arm	ASTM A536 Ductile Iron
13	Stud Bushing	Brass ASTM B16
14	O-Ring	NBR
15	Nut	AISI 304

SUITABLE FOR				
STEAM	WATER	OIL	AIR	GASES
•	•	•	•	•

Note: It varies on usage, please consult a Technical Engineer for appropriate materials.

HYDROSTATIC TEST PRESSURE			SERVICE RATING	
CLASS	BODY	SEAT	PRESSURE	TEMP
150	425 PSIG	300 PSIG	150 PSIG	500°F
300	1100 PSIG	800 PSIG	300 PSIG	800°F

AIR TEST - SEAT 80 PSIG ± 10 PSIG

SIZE		CLASS - 150						
IN.	M.M.	A	B	øC	øD	øM	N	PCD
1. 1/2"	40	165	14.2	73	127	16	4	98.5
2"	50	203	15.7	92	152	19	4	120.6
2. 1/2"	65	216	17.5	105	178	19	4	139.7
3"	80	241	19	127	190.5	19	4	152.4
4"	100	292	24	157	229	19	8	190.5
5"	125	330	24	186	254	22	8	215.9
6"	150	356	24	216	276	22	8	241.3
8"	200	495	28.5	270	343	22	8	298.4
10"	250	622	30	324	406	25	12	362
12"	300	699	32	381	483	25	12	431.8
14"	350	787	35	413	533	28	12	476.2
16"	400	864	36.5	470	597	28	16	539.8

SIZE		CLASS - 300						
IN.	M.M.	A	B	øC	øD	øM	N	PCD
1. 1/2"	40	241.3	20.5	73	156	22	4	114.3
2"	50	266.7	22	92	165	19	8	127
2. 1/2"	65	292	25	105	190.5	22	8	149.3
3"	80	317.5	28.5	127	209.5	22	8	168
4"	100	355.6	32	157	254	22	8	200
5"	125	400	35	186	279.4	22	8	235
6"	150	444.5	36.5	216	317.5	22	12	269.7
8"	200	533.4	41	270	381	25	12	330.2
10"	250	622.3	47.5	324	444.5	28	16	387.4
12"	300	711.2	51	381	521	32	16	450.8
14"	350	838	54	413	584	32	20	514.3
16"	400	863.6	57	470	648	35	20	571.5