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VALVES
since 1966

AN ISO 9001, 14001 & 45001
CERTIFIED COMPANY

1082 Cast Iron Dual Plate Wafer Type Check Valve, PN 16

Salient Features



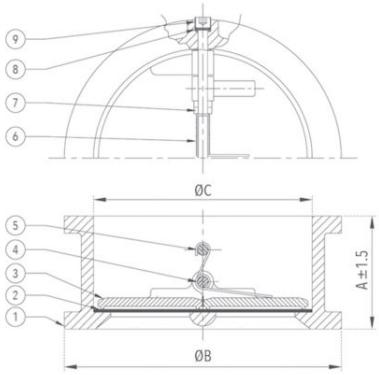
- Design standard API 594.
- Wafer Type Design, to take lesser space than the conventional Check Valve.
- Being light in weight, is more rigid than the standard Swing Type Check Valve, which needs expensive foundation and special supports.
- Being cylindrical body, stresses are uniformly distributed.
- Much longer seat life because of Bronze / S.S to Rubber contact.
- Less wear and tear of seat surfaces.
- End connections are designed to suit flanges drilled to ANSI B Class-125 / ASME B Class-150.
- Water hammering effect is minimized in this design, since the closing of valve does not depend upon any back pressure or flow.
- Each plate being half of the size of the swing check valve disc, provides straight flow path offering minimal resistance because of the spring's assistance as closing of the valve initiates as soon as flow velocity dips below the designated minimum velocity.

Test Pressure (Hydrostatic) :
Shell : 24.50 kg/cm²g (350 psig)
Seat : 16 kg/cm²g (230 psig)
Maximum Working Temperature : 80°C

Suitable For
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Body	Cast Iron	IS 210 Gr. FG 200	1
2	Body Lining	Nitrile Rubber	IS 5192 – 1	1
3	Flap / Disc	Stainless Steel / Bronze	ASTM A 351 Gr. CF8/CF8M / IS 318 Gr. LTB2	2
4	Hinge Pin	Stainless Steel	ASTM A 276 Type 304	1
5	Stop Pin	Stainless Steel	ASTM A 276 Type 304	1
6	Spring	Stainless Steel	Type 304	–
7	Packing Washer	Stainless Steel/PTFE	ASTM A 276 Type 304 / – – –	–
8	Packing Washer	Nitrile Rubber / PTFE	IS : 5192-1 / – – –	–
9	Retainer Plug	Carbon Steel	– – –	2/4



Sizes / Dimensions

Size (Inches)	Size (mm)	A	ØB	ØC
1 1/2	40	50	92	56
2	50	54	101	60
2 1/2	65	60	120	73
3	80	67	133	89
4	100	67	171	114
5	125	83	193	141
6	150	95	218	168
8	200	127	276	219
10	250	140	336	273.5
12	300	181	406	324
14*	350*	184	451	357

*Flap / Disc for Size 350 is of Bronze.

ZOLOTO INDUSTRIES
Zoloto House, 11th Milestone, Lambra, Nakodar Road,
Jalandhar – 144026. Punjab. INDIA
https://www.zolotovalves.com
Phones : +91 181 4676666 (100 Lines)
Facsimile: +91 181 2792500 & 2251600
Email : sales@zolotovalves.com, mktg@zolotovalves.com

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1082A Ductile Iron Dual Plate Wafer Type Check Valve, PN 16

Salient Features

- Design Reference Standard API 594.
- Wafer Type Design, to take lesser space than the conventional Check Valve.
- Being light in weight, is more rigid than the standard Swing Type Check Valve, which needs expensive foundation and special supports.
- Being cylindrical body, stresses are uniformly distributed.
- Much longer seat life because of S.S to Rubber contact.
- Less wear and tear of seat surfaces.
- End connections are designed to suit flanges drilled to ANSI B Class-125 / ASME B Class-150.
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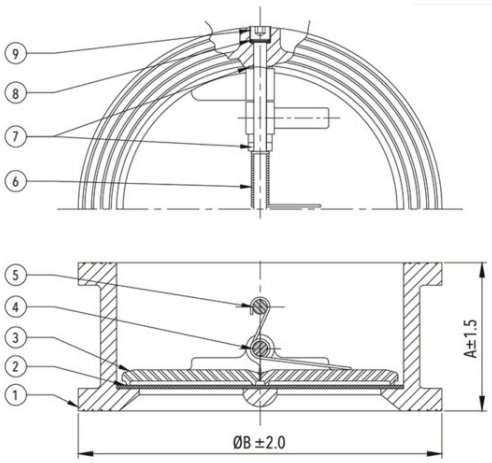


Test Pressure (Hydrostatic) :
Shell : 24 bar
Seat : 17.6 bar
Maximum Working Temperature : -18°C to 80°C

Suitable For
Water

Materials

P.No.	Name of Part	Material of Construction	Specification	Qty.
1	Body	Ductile Iron	IS 1865 Gr. 400 / 15	1
2	Body Lining	Nitrile Rubber	IS 5192 – 1	1
3	Flap / Disc	Stainless Steel	ASTM A 351 Gr. CF8	2
4	Hinge Pin	Stainless Steel	ASTM A 276 Type 304	1
5	Stop Pin	Stainless Steel	ASTM A 276 Type 304	1
6	Spring	Stainless Steel	Type 304	–
7	Packing Washer	PTFE	– – –	–
8	Packing Washer	Nitrile Rubber	IS : 5192-1	–
9	Retainer Plug	Carbon Steel	– – –	4



Sizes / Dimensions

Size (Inches)	Size (mm)	A±1.5	ØB±2
1 1/2	40	50	92
2	50	54	101
2 1/2	65	60	120
3	80	67	132
4	100	67	170
5	125	83	192
6	150	95	218
8	200	127	275
10	250	140	335
12	300	181	405
14	350	184	447
16	400	191	510

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Size (Inches)	Size (mm)	A±1.5	ØB±2
18	450	203	544
20	500	213	601
24	600	222	713

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