

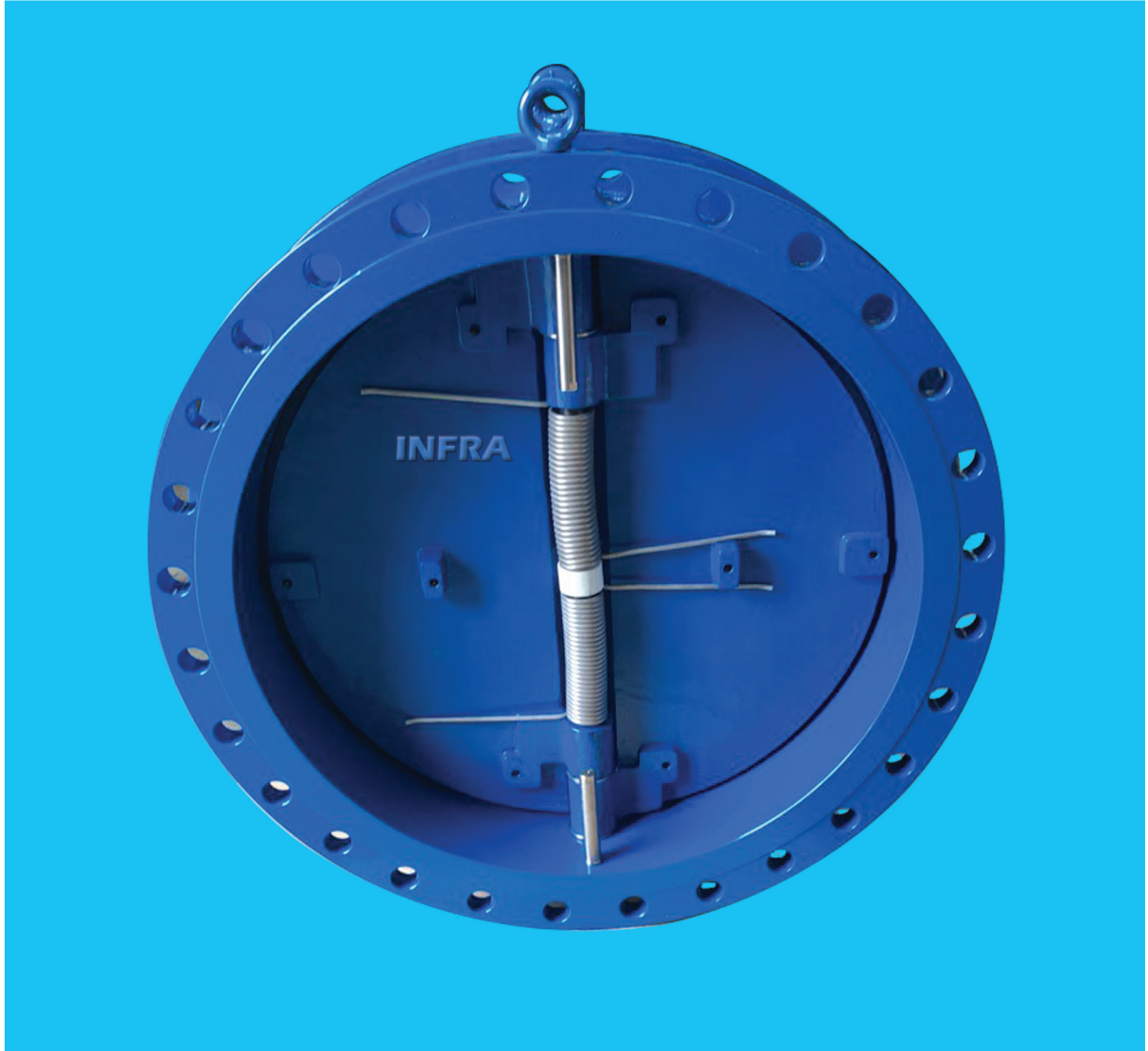
INFRA

Dual Plate Check Valve

PN 10 , PN 16 & PN 25 Rating

Class 150 & Class 300

DN 50 - 2000 mm.



Innovative Flow Control Solution



Shree Krishna Industries

Manufacturers of all types of valves & fittings

An ISO 9001/2015 Company

H.O. & Works :

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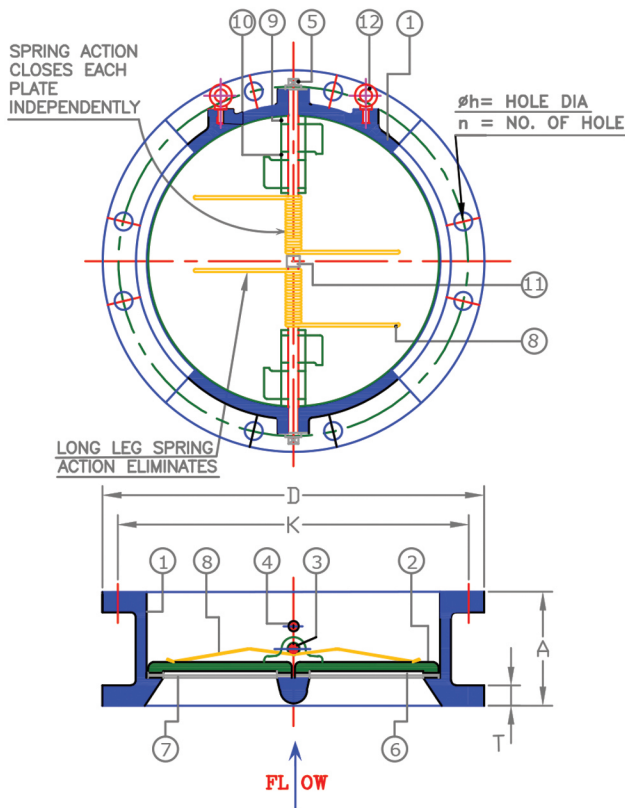
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Valve Dimensions And Materials Specifications



Technical Requirements

- Designed & manufactured according to standard of API 594
- Face to face dimensions are according to API 594 also available as per BS 5155 & ISO 5752 (Long Pattern)
- The flange of the check valve is according to PN 10bar flange of BS 4504-1989 & BS EN 1092-2 also available as per ANSI B16.5 / IS 1538 Part 6 / ISO 7005
- Testing & Inspection is according to standard of API 598

Design Features

- Flexibility in installation i.e., the valve can be installed in any position vertical or horizontal
- Positive closer is ensured by double spring action
- No water hammer since closing of the valve disc does not depend on back pressure and back flow
- Both metal to metal and resilient sealing is available
- Non slam characteristic is achieved due to spring assisted closing at zero flow before back flow begins and also as the disc plates starts closing the flow as such acts as a cushion and thus slamming is negligible.
- All cast components are fully protected from corrosion by electro-statically applying epoxy powder or liquid epoxy paint with a minimum DFT 250microns.
- Body, disk in ductile iron / cast steel giving excellent strength performance .
- Wafer end valves are also available on request.
- Drip tight resilient seat

N.B. : When installed in the horizontal position, the door hinge shaft must be in the vertical position for proper operation.

MATERIALS SPECIFICATION

MATL.	Body (1) Disc/Plate (2)	Hinge Pin (3) Stop Pin (4)	Plug/Retainer (5)	Disc Seat/Seal(6)	Body Seat (7)	Spring (8)	Body, Disc & Spring Bearing (9, 10 & 11)	Lifting Hook (12)
DUCTILE IRON	Ductile Iron to DIN 1693 Gr. GGG-40 & Gr. GGG-50 or IS 1865 Gr. 400/15 & Gr. 500/7	Stainless steel to BS 970 (Part-I) Gr. 410S21/304S15/ 431S29/316S31 or 13% Cr. Steel	Stainless steel to AISI-410 / 304 & 13% Cr. Steel or Gvld. Steel	Stainless steel to BS 970 Gr.304S15, AISI-304/AISI-316 13% Cr. Steel or EPDM/Nitrile/Viton-A Buna-N Rubber	Stainless steel to BS 970 Gr.304S15 or AISI-304/316 13% Cr. Steel	SS 304/ SS 316 or Inconel X-750	Gun Metal/ S.S. / Teflon	Steel
CAST CARBON STEEL	Cast Carbon Steel to ASTM A216 Gr. WCB or BS 1504-161-480	Stainless steel to BS 970 (Part-I) Gr. 431S29/304S15 or 13% Cr. Steel/ AISI-410/304/316	Stainless steel to AISI-410 / 304 & 13% Cr. Steel or Gvld. Steel	Stainless steel to BS 970 Gr.304S15, AISI-304/AISI-316	Stainless steel to BS 970 Gr.304S15 or AISI-304/316 13% Cr. Steel	SS 304/ SS 316 or Sprng steel BS EN43	S.S. / Teflon	Forged Carbon Steel

NOMINAL PRESSURE		PN 10	PN 16	PN 25	CL-150	CL-300
TESTING PRESSURE	BODY	15 Kg/Sq.Cm	24 Kg/Sq.Cm	37.5 Kg/Sq.Cm	30 Kg/Sq.Cm	78 Kg/Sq.Cm
	SEAT	10 Kg/Sq.Cm	16 Kg/Sq.Cm	25 Kg/Sq.Cm	22 Kg/Sq.Cm	56 Kg/Sq.Cm
WORKING PRESSURE		10 Kg/Sq.Cm	16 Kg/Sq.Cm	25 Kg/Sq.Cm	22 Kg/Sq.Cm	56 Kg/Sq.Cm
SUITABLE TEMPERATURE (C)		-10°C to 90°C			-10°C to 90°C	-10°C to 90°C

(*) Face to face dimensions are as per manufacturer's standard

ALL DIMENSIONS ARE IN MM

Rating	Nominal dia	50	80	100	125	150	200	250	300	350	400	450	500	600	700	750	800	900	1000	1100	1200
PN 10/ANSI 125	Face to face (A)	54	67	67	83	95	127	140	181	184	191	203	213	222	305*	305	356*	368	406*	432*	524
PN 16/ANSI 150		60	73	73	86	98	127	146	181	184	191	203	219	222	305*	305	356*	368	406*	432*	524
PN 25/ANSI 300		60	73	73	86	98	127	146	181	222	232	264	292	318	-	368	-	483	-	568*	629
Flange Dia	(D)	165	200	220	250	285	340	395	445	505	565	615	670	780	895	960	1015	1115	1230	1340	1455
Flange P.C.D.	(K)	125	160	180	210	240	295	350	400	460	515	565	620	725	840	900	950	1050	1160	1270	1380
Flange Thk	(t)	19	21	22	22.5	23	24	26	27.5	29	30	32	33	36	38.5	40	42	44	47	48.5	53
hole dia	(h)	19	19	19	19	23	23	23	23	23	28	28	31	31	31	34	34	34	37	37	40
No. hole	(n)	4	4	8	8	8	8	12	12	16	16	20	20	20	24	24	24	28	28	32	32
Weight (±Kg)		7	11	13	18	25	43	60	105	120	170	190	220	295	520	580	690	810	1400	1600	2100

NOTES : Higher sizes / dimensions on request

WE RESERVE THE RIGHT TO MAKE CHANGES DUE TO TECHNICAL UPGRADATION