

 **Termofusión y
Riego Perú S.A.C.**

Iron Valves for Water System



Introduction

IVALVE TECH. (Tongling) co.,ltd. believes that only focus can we be professional in assisting our valuable customers. With over 15 years rich experience in valves designing, manufacturing, marketing & exporting, IVALVE knows well of valve quality and the high rank international requirements, which leads us to pursue continuously and stably progressing and improving.

Started from OEM service, with the stable developing, we have created our own trademark IVALVE and will be quite proud to be your loyal partner to assist you gain more and more profits & reputation with our high quality valves and best service. Now IVALVE sincerely desires to build up a global network with partners all around the world.

IVALVE currently focus on the iron Valves for the water industry such as municipal and irrigation infrastructural applications: Resilient Seated Gate Valves; Metal Seated Gate Valves; Y Strainers; Butterfly Valves: Double Eccentric type, Double flanged Concentric type, Wafer type, Lug type; Hydraulic Control Valves: Pressure Reducing Valve; Float Ball Control Valve; Air Release Valve; Check Valves: Swing Check Valves, Nozzle Check Valves, Ball Check Valves, Wafer Check Valve;- Foot Valves; Hydrant; Ductile iron pipe fittings.

Certificates:

ISO 9001

Gate Valve, Y-Strainer
Check Valve, Control Valve

Casting Foundry, Stainless steel
Brass, Epoxy powder, Rubber



Resilient Seated Gate Valve



Resilient Seated Gate Valve
Epoxy powder, Rubber

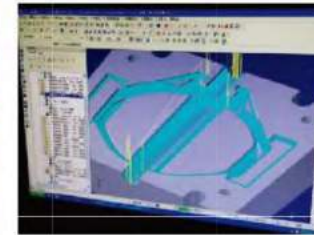


Epoxy powder, Rubber



Manufacturing Procedure:

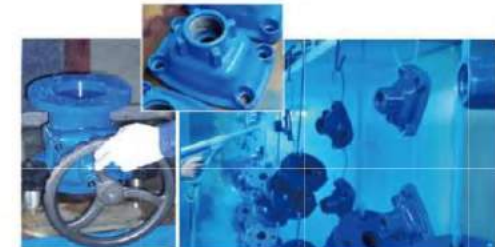
1. Designing & Moulds developing



2. Casting Foundry & Casting Treatment



3. Precision Machining
4. Blast shooting
5. Fusion bond epoxy coating
6. Hydraulic test
7. Torque test
8. Finished inspection
9. Packing
10. Delivery



ONLY qualified valves can be packed & leave IVALVE's factory.

new products development collaboration is also accepted



Products Directory



IV001 (Brass nut type)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN40 - 300
Face to face: DIN 3352 F4 / F5, BS 5163
Pressure: PN 10/16/25
Connection: Double Flanges
Coating: Epoxy coating
Operation: Handwheel, Square cap



IV002 (Gland type)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN40 - 300
Face to face: DIN 3352 F4 / F5, BS 5163
Pressure: PN 10 / 16 / 25
Connection: Double Flanges
Coating: Epoxy coating
Operation: Handwheel, Square cap



IV003 (AWWA C515)

Design: AWWA C515
Sealing type: Resilient Rubber Seated
Size Range: DN50 - 300
Face to face: ASME B16.10
Pressure: CL 150
Connection: Double Flanges
Coating: Epoxy coating
Operation: Handwheel, Square cap



IV004 (Gear box / Actuator)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN40 - 600
Face to face: DIN 3352 F4 / F5, BS 5163
Pressure: PN 10 / 16
Connection: Double Flanges
Coating: Epoxy coating
Operation: Gear box, Electric Actuator



IV005 (Rising Stem OS&Y)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN40 - 500
Face to face: DIN 3352 F4 / F5, BS 5163
Pressure: PN 10 / 16 / 25, CL150
Connection: Double Flanges
Coating: Epoxy coating
Operation: Handwheel, Gearbox



IV006 (with ISO Top Flange)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN50 - 300
Face to face: EN558-1
Pressure: PN 10 / 16
Connection: Tyton socket for DI pipe
Coating: Epoxy coating
Operation: Handwheel, Square cap



IV007 (Euro socket for PVC pipe)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN50 - 300
Face to face: EN558-1
Pressure: PN 10 / 16
Connection: Euro socket for PVC pipe
Coating: Epoxy coating
Operation: Handwheel, Square cap



IV008 (Tyton socket for DI pipe)

Design: EN1171, EN1074
Sealing type: Resilient Rubber Seated
Size Range: DN50 - 300
Face to face: EN558-1
Pressure: PN 10 / 16
Connection: Tyton socket for DI pipe
Coating: Epoxy coating
Operation: Handwheel, Square cap



IV009 (Smooth End Gate Valve)

Design: EN1171, AWWA C515
Sealing type: Resilient Rubber Seated
Size Range: DN50 - 300
Face to face: EN558-1
Pressure: PN 10 / 16
Connection: Smooth end / Spigot end
Coating: Epoxy coating
Operation: Handwheel, Triangle cap



IV010 (Mechanical Joint)

Design: EN1171, AWWA C515
Sealing type: Resilient Rubber Seated
Size Range: DN50 - 300
Pressure: PN 10 / 16
Connection: Mechanical Joint
Coating: Epoxy coating
Operation: Handwheel, Square cap



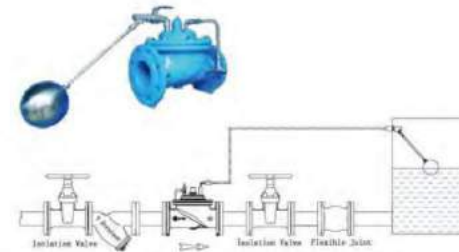
IV011 (Metal Seated)

Sealing type: Metal Seated - Brass/ Bronze
Size Range: DN50 - 300
Face to face: DIN 3352 F4 / BS 5163
Pressure: PN 10 / 16
Connection: Double Flanges
Coating: Epoxy coating

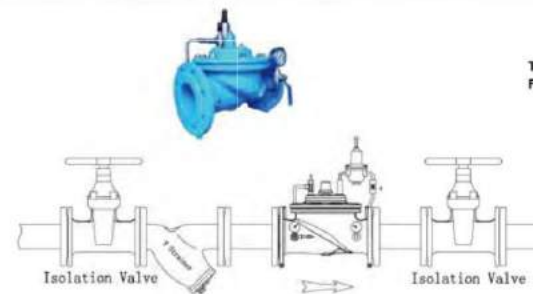


IV012 (Y Strainer)

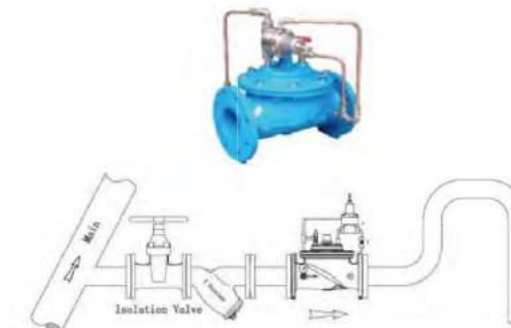
Size Range: DN40 - 300
Face to face: DIN 3202 F1, BS 2080
Pressure: PN 10 / 16
Connection: Double Flanges
Screen: Stainless steel 304
Coating: Epoxy coating



Type: IV013 Float Control Valve[®]
Function: Modulating valve that accurately controls the liquid level in tanks. This valve is designed to open fully when the liquid level reaches a preset low point, and close drip-tight when the level reaches a preset high point. The float pilot is remotely installed inside of reservoir.



Type: IV014 Pressure Reducing Valve
Function: Automatically reduces a higher inlet pressure to a steady lower downstream pressure, regardless of changing flow rate and/or varying inlet pressure. This valve is an accurate, pilot-operated regulator capable of holding downstream pressure to a re-determined limit. When downstream pressure exceeds the pressure setting of the control pilot, the main valve and pilot valve close drip-tight.



Type: IV015 Pressure Sustaining/Relief Valve
Function: Hydraulically operated, pilot-controlled, modulating valve designed to maintain constant upstream pressure within close limits. This valve can be used for pressure relief, pressure sustaining, back pressure functions in a by-pass system. In operation, the valve is actuate by line pressure through a pilot control system, opening fast to maintain steady line pressure but closing gradually to prevent surges. Operation is completely automatic and pressure settings may be easily changed by adjusting screw on top of the pilot.



Type: IV017 Direct Acting Pressure Reducing Valve
Function: Automatically reduce a higher inlet pressure to a steady lower downstream pressure, regardless of changing flow rate and/or varying inlet pressure. When downstream pressure exceeds the pressure setting, the valve close drip-tight.



IV018 (Double Eccentric BFV)

Design: Double eccentric, Double flanged
 Sealing type: Rubber Seated on body
 Size Range: DN100 - 1400
 Face to face: EN 558 Series 13/14
 Pressure: PN 10 / 16
 Connection: Double Flanged
 Coating: Epoxy coating
 Operation: Worm gear, Electri Acuator



IV019 (Concentric BFV)

Design: Concentric, Double flanged
 Sealing type: Rubber Seated
 Size Range: DN50 - 1200
 Face to face: ISO 5752
 Pressure: PN 10 / 16
 Connection: Double Flanged
 Coating: Epoxy coating
 Operation: Worm gear, Electri Acuator



IV020 (Water type BFV)

Sealing type: Rubber Seated
 Size Range: DN50 - 1200
 Face to face: ISO 5752
 Pressure: PN 10 / 16
 Connection: DIN2501 PN10/PN16/ANSI 150
 Coating: Epoxy coating
 Operation: Hand lever for DN50-150; Worm gear for DN50-1200



IV021 (Lug type BFV)

Sealing type: Rubber Seated
 Size Range: DN50 - 600
 Face to face: ISO 5752
 Pressure: PN 10 / 16
 Connection: DIN2501 PN10/PN16/ANSI 150
 Coating: Epoxy coating
 Operation: Hand lever for DN50-150; Worm gear for DN50-600



IV022 (U-type BFV)

Sealing type: Rubber Seated
 Size Range: DN150 - 1200
 Face to face: ISO 5752
 Pressure: PN 10 / 16
 Connection: DIN2501 PN10/PN16
 Coating: Epoxy coating
 Operation: Worm gear



IV023 (Water Check Valve)

Design: EN 1074 BSS163
 Sealing type: Rubber Seated
 Size Range: DN40 - 700
 Face to face: ISO5752-82
 Pressure: PN 10 / 16
 Connection: Double Flanges EN 1092-2
 Coating: Epoxy coating



IV024 (Rubber Flap Check Valve)

Sealing type: BS 5153, DIN3202-F6
 Size Range: Rubber Seated
 Face to face: DN50 - 300
 Pressure: DIN3202-F6, BS 5153
 Connection: PN 10 / 16
 Coating: Double Flanged
 Operation: Epoxy coating



IV025 (Swing Check Valve)

Design: DIN3202-F6
 Sealing type: Metal Seated - Brass
 Size Range: DN50 - 300
 Face to face: EN558-1:1996 10 series
 Pressure: PN 10 / 16
 Connection: Double Flanged
 Coating: Epoxy coating



IV026 (Screwed Ball Check Valve)

Sealing type: DIN3202-F6
 Size Range: Rubber Seated - Float Ball
 Face to face: DN25-65
 Pressure: DIN3202-F6
 Connection: PN 10 / 16
 Coating: Double Flanged
 Operation: Epoxy coating



IV027 (Flanged Check Valve)

Design: DIN3202-F6
 Sealing type: Rubber Seated - Float Ball
 Size Range: DN40 - 500
 Face to face: DIN3202-F6
 Pressure: PN 10 / 16
 Connection: Double Flanged
 Coating: Epoxy coating



IV028 (Nozzle Check Valve)

Sealing type: Rubber Seated
 Size Range: DN50 - 300
 Face to face: EN558-1 / ISO 5752 Series 4
 Pressure: PN 10 / 16
 Connection: Double Flanged
 Coating: Epoxy coating



IV029 (Butterfly Check Valve)

Design: EN 1074, BS163
 Size Range: DN100 - 3000
 Face to face: DIN3202-F4 / BS 5155
 Pressure: PN 10 / 16
 Connection: Double Flanged
 Coating: Epoxy coating



IV030 (Air Valve Double Orifice)

Size Range: DN40 - 150
 Pressure: PN 10 / 16
 Connection: Flanged
 Coating: Epoxy coating



IV031 (Air Valve Double Orifice)

Size Range: DN40 - 150
 Pressure: PN 10 / 16
 Connection: Flanged
 Coating: Epoxy coating



IV032 (Air Valve Single Orifice)

Size Range: DN50-300
 Pressure: PN 10 / 16
 Connection: Flanged
 Coating: Epoxy coating



IV033 (Air Valve Single Orifice)

Size Range: DN40 - 150
 Pressure: PN 10 / 16
 Connection: Screwed
 Coating: Epoxy coating



IV034 (Foot Valve)

Design: BS 5153
 Size Range: DN50 - 300
 Pressure: PN 10 / 16
 Connection: Flanged
 Coating: Epoxy coating



IV035 (Vertical Fire Hydrant), DN100
 IV036 (BS750 Fire Hydrant), DN80



IV037 (Globe Valve)



IV038 (Knife Gate Valve)



IV039 (Brass Valve)



IV040 (Water Meter)



IV041 (Universal Coupling)



IV042 (Coupling for Ductile iron pipe)



IV043 (Universal Flange Adaptor)



IV044 (Dismantling Joint)



IV045 (Rubber Joint) Single Sphere Flanged



IV046 (Rubber Joint) Union type Twin Sphere



IV047 (Quick Adaptor for DI pipe)



IV048 (Saddle & Repair Cla)

"IVALVE" RESILIENT SEATED GATE VALVE
Flanged type, DN40-300

- Design comply to EN1171 / EN1074 / BS5163
- Flanges are drilled to EN 1092-2 / BS4504
- Pressure Rate: PN10/16, (PN25 for DN40-300)
- Test: Body test 1.5 x PN, Seal test 1.1 x PN
- Medium: Neutral water, Drinking water, Sewage
- Rolled threads ensure smooth thread edges and low operating torques
- Sealing: Class A (zero leakage)
- 100% testing before delivery



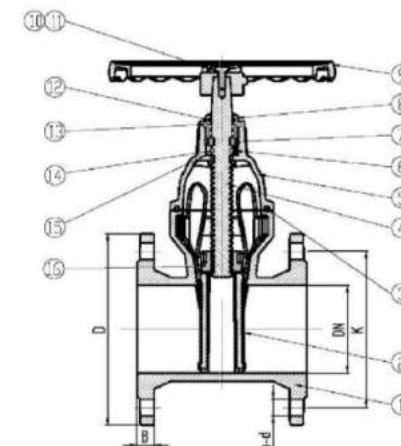
- Completely free and full bore self cleaning & low pressure loss.
- Both inside & outside coated with epoxy resin powder.
- O-ring bonnet gasket wraps each bolt to prevent corrosion.
- Bolts sealed with hot met
- Clockwise closing (CWC) as standard.
- With rubber dust cover
- 4 o-rings on stem (total 6 o-rings in bonnet).
- The upper 3 o-rings can be replaced online under pressure when valve fully opened.
- Thrust washer - Brass material, to get more reliable strength and long service life
- Body/bonnet connection
Bonnet gasket fits into a recess in valve bonnet preventing it from being blown out by pressure surges.
- Bonnet bolts are in Galvanized carbon steel SS304 upon request

• Liner Sealing face - get better sealing & lower closing torque.
• Position "A":
Most factories' design is the same lever to the sealing face. while when the valve closed, the increasing inlet pressure will push the disc shift and press to the valve body, which will cut the disc rubber of position "A" during long term use.
IVALVE aware this design defect; and innovate the current design to avoid such hurt, thus enlarge the disc service life.

- * Connection: Flanged to EN1092-2, BS4504, ASME B16.10, AS4087
- * Working pressure: PN10 / PN16 / PN25
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating



ITEM	PART NAME	MATERIAL
1	Body	GGG50
2	Disc	EPDM-DI
3	Bonnet Gasket	NBR
4	Stern	SS420
5	Bonnet	GGG50
6	Thrust Washer	Brass
7	Thrust Sleeve	Brass
8	Gland	GGG50
9	Hand wheel	GGG50
10	Bolts	SS304
11	Washers	SS304
12	Dust Cover	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	Stem Nut	Brass

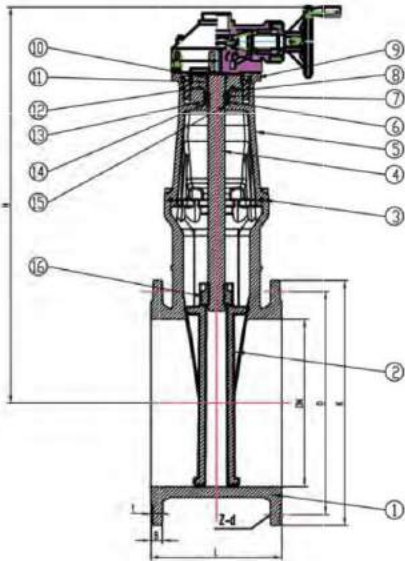


Size	Face to face dimension(mm)					No,of turns closing	Flange dimension(EN 1092-2) PN10/PN16/PN25			ASME B16.1/16.42 CL125/150			AS 4087 PN10/PN16		
	DIN F4	DIN F5	BS 5163	ASME B16.10	A S 2638		D	K	n-d	D	K	n-d	D	K	n-d
DN40/1.5"	140	240	178	-	-	9	150	110	4-Φ19	-	-	-	-	-	-
DN50/2"	150	250	178	178	-	9	165	125	4-Φ19	152	120.5	4-Φ19	-	-	-
DN65/2.5"	170	270	190	190	-	10	185	145	4-Φ19/4-Φ19/8-Φ19	178	139.5	4-Φ19	-	-	-
DN80/3"	180	280	203	203	203	12	200	160	8-Φ19	191	152.5	4-Φ19	185	146	4-Φ18
DN100/4"	190	300	229	229	229	12	220/220/235	180/180/190	8-Φ19/8-Φ19/8-Φ23	229	190.5	8-Φ19	215	178	4-Φ18
DN125/5"	200	325	254	254	-	14.5	250/250/270	210/210/220	8-Φ19/8-Φ19/8-Φ28	254	216	8-Φ22	-	-	-
DN150/6"	210	350	267	267	267	17	285/285/300	240/240/250	8-Φ23/8-Φ23/8-Φ28	279	241.5	8-Φ22	280	235	8-Φ18
DN200/8"	230	400	292	292	292	18.5	340/340/360	295/295/310	8-Φ23/12-Φ23/12-Φ28	343	298.5	8-Φ22	335	292	8-Φ18
DN250/10"	250	450	330	330	330	23	395/405/425	350/355/370	12-Φ23/12-Φ28/12-Φ31	406	362	12-Φ25	405	356	8-Φ22
DN300/12"	270	500	356	356	356	27	445/460/485	400/410/430	12-Φ23/12-Φ28/16-Φ31	483	432	12-Φ25	455	406	12-Φ22

"IVALVE" RESILIENT SEATED GATE VALVE
Flanged type, DN50-1000



- * Connection: Flanged to EN1092-2, BS4504, ASME B16.10, AS4087
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating



ITEM	PART NAME	MATERIAL
1	Body	GGG50
2	Disc	EPDM+DI
3	Bonnet Gasket	NBR
4	Stem	SS420
5	Bonnet	GGG50
6	Thrust Washer	Brass
7	Thrust Sleeve	Brass
8	Gland	GGG50
9	Hand wheel	GGG50
10	Bolts	SS304
11	Washers	SS304
12	Dust Cover	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	Stem Nut	Brass

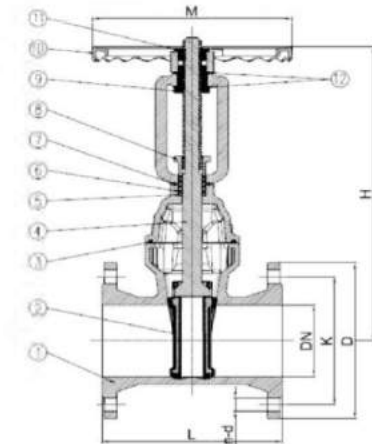
DN	OUTLINE mm						END FLANGE PN10/16-CL125/150 mm								
	BS 5163	DIN -F4	DIN -F5	ASME B16.10	AS 2638		EM1092-2			ASME B16.1/B16.42			AS 4087		
	L	D	K	n-d	D	K	n-d	D	K	n-d	D	K	n-d		
350	381	290	550	381	381	505/520	460/470	16-Φ23/16-Φ28	533	476	12-Φ28	525	470	12-Φ26	
400	406	310	600	406	406	565/580	515/525	16-Φ28/16-Φ31	597	540	16-Φ28	580	521	12-Φ26	
450	432	330	650	432	432	615/640	565/585	20-Φ28/20-Φ31	635	578	16-Φ32	640	584	12-Φ26	
500	457	350	700	457	457	670/715	620/650	20-Φ28/20-Φ34	699	635	20-Φ32	705	641	16-Φ26	
600	508	390	800	508	508	780/840	725/770	20-Φ31/20-Φ37	813	749	20-Φ35	825	756	16-Φ30	
700	610	430	900	-	610	895/910	840	24-Φ31/24-Φ37	-	-	-	910	845	20-Φ30	
800	660	470	1000	-	-	1015/1025	950	24-Φ34/20-Φ41	-	-	-	1060	984	20-Φ36	
1000	813	550	1200	-	-	1230/1255	1160/1170	28-Φ37/28-Φ44	-	-	-	1255	1175	24-Φ36	

"IVALVE" RESILIENT SEATED GATE VALVE
Rising Stem OS&Y, DN40-600



- * Connection: Flanged to EN1092-2, BS4504, ASME B16.10, AS4087
- * Working pressure: PN10 / PN16 / PN25
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	GGG50
2	Disc	EPDM+DI
3	Bonnet Gasket	NBR
4	Stem	SS420
5	O-Ring	NBR
6	Sealing Washer	POM
7	O-Ring	NBR
8	Gland	GGG50
9	Lower stem nut	Brass
10	Handwheel	GGG50
11	Upper stem nut	Brass
12	Dust Cover	NBR
13	Anti Friction Pad	Brass



Size	Face to face dimension(mm)					No. of turns closing	Flange dimension(EN 1092-2) PN10/PN16/PN25			ASME B16.1/16.42 CL125/150			AS 4087 PN10/PN16		
	DIN F4	DIN F5	BS 5163	ASME B16.10	AS 2638		D	K	n-d	D	K	n-d	D	K	n-d
DN40/1.5"	140	240	178	-	-	9	150	110	4-Φ19	-	-	-	-	-	-
DN50/2"	150	250	178	178	-	9	165	125	4-Φ19	152	120.5	4-Φ19	-	-	-
DN65/2.5"	170	270	190	190	-	10	185	145	4-Φ19/4-Φ19/8-Φ19	178	139.5	4-Φ19	-	-	-
DN80/3"	180	280	203	203	203	12	200	160	8-Φ19	191	152.5	4-Φ19	185	146	4-Φ18
DN100/4"	190	300	229	229	229	12	220/200/235	180/180/190	8-Φ19/8-Φ19/8-Φ23	229	190.5	8-Φ19	215	178	4-Φ18
DN125/5"	200	325	254	254	-	14.5	250/250/270	210/210/220	8-Φ19 / 8-Φ19 / 8-Φ28	254	216	8-Φ22	-	-	-
DN150/6"	210	350	267	267	267	17	285/285/300	240/240/250	8-Φ23/8-Φ23/8-Φ28	279	241.5	8-Φ22	280	235	8-Φ18
DN200/8"	230	400	292	292	292	18.5	340/340/360	295/295/310	8-Φ23/12-Φ23/12-Φ28	343	298.5	8-Φ22	335	292	8-Φ18
DN250/10"	250	450	330	330	330	23	395/405/425	350/355/370	12-Φ23/12-Φ28/12-Φ31	406	362	12-Φ25	405	356	8-Φ22
DN300/12"	270	500	356	356	356	27	445/460/485	400/410/430	12-Φ23/12-Φ28/16-Φ31	483	432	12-Φ25	455	406	12-Φ22
DN350/14"	290	550	381	381	381	-	505/520	460/470	16-Φ23/16-Φ31	533	476	12-Φ28	525	470	12-Φ26
DN400/16"	310	600	406	406	406	-	565/580	515/525	16-Φ28/16-Φ31	597	540	16-Φ28	580	521	12-Φ26
DN450/18"	330	650	432	432	432	-	615/640	565/585	20-Φ28/20-Φ31	635	578	12-Φ32	640	584	12-Φ26
DN500/20"	350	700	457	457	457	-	670/715	620/650	20-Φ28/20-Φ34	699	635	20-Φ32	705	641	16-Φ26
DN600/24"	390	800	508	508	508	-	780/840	725/700	20-Φ31/20-Φ37	813	749	20-Φ35	825	756	16-Φ30

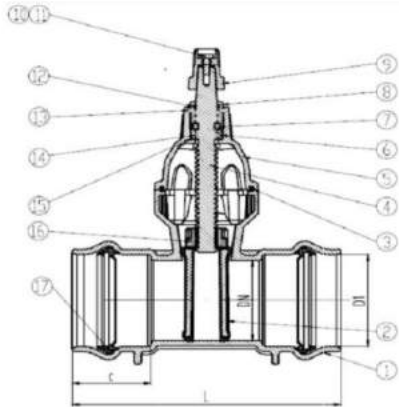
* DN500, DN600 gearbox operated as standard

"IVALVE" RESILIENT SEATED GATE VALVE
Socket end for PVC pipe



- * Connection: Euro socket for PVC pipes
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	GGG50
2	Disc	EPDM+DI
3	Bonnet Gasket	NBR
4	Stem	SS420
5	Bonnet	GGG50
6	Thrust Washer	Brass
7	Thrust Sleeve	Brass
8	Gland	GGG50
9	Hand wheel	GGG50
10	Bolts	SS304
11	Washers	SS304
12	Dust Cover	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	Stem Nut	Brass



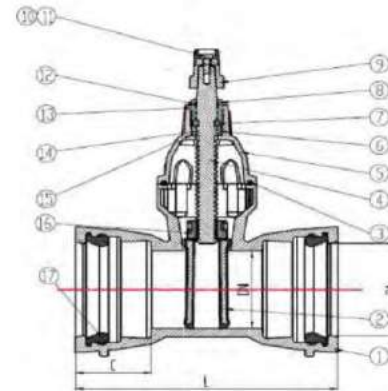
DN Valve Diameter	D1 (PVC Tube diameter)	L Face to face(mm)	C(mm)	No. of turns closing
DN50/2"	Φ60	250	77	9
DN50/2"	Φ63	250	77	9
DN65/2.5"	Φ75	270	80	10
DN80/3"	Φ85	280	84	12
DN80/3"	Φ90	280	84	12
DN100/4"	Φ110	300	88	12
DN125/5"	Φ125	325	91	14.5
DN150/6"	Φ160	350	94	17
DN200/8"	Φ200	400	100	18.5
DN200/8"	Φ225	400	100	18.5
DN250/10"	Φ250	450	125	23
DN300/12"	Φ315	500	140	27

"IVALVE" RESILIENT SEATED GATE VALVE
Socket end for DI pipes



- * Connection: Tyton socket for Ductile Iron pipes
- * Range: DN80-DN300
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	GGG50
2	Disc	EPDM+DI
3	Bonnet Gasket	NBR
4	Stem	SS420
5	Bonnet	GGG50
6	Thrust Washer	Brass
7	Thrust Sleeve	Brass
8	Gland	GGG50
9	Hand wheel	GGG50
10	Bolts	SS304
11	Washers	SS304
12	Dust Cover	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	Stem Nut	Brass



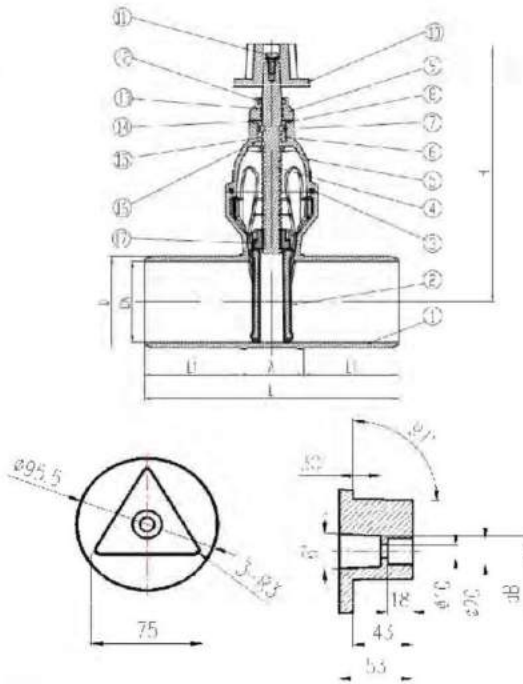
DN Valve Diameter	D1 (DI Tube diameter)	L Face to face(mm)	C(mm)	No. of turns closing
DN80/3"	Φ98	284	85	12
DN100/4"	Φ118	306	88	12
DN150/6"	Φ170	337	94	17
DN200/8"	Φ222	355	100	18.5
DN250/10"	Φ274	390	105	23
DN300/12"	Φ326	440	110	27

"IVALVE" RESILIENT SEATED GATE VALVE
Spigot end / Smooth end



- * Range: DN80-DN300
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Disc	EPDM+DI
3	Bonnet Gasket	NBR
4	Stem	SS420
5	Bonnet	Ductile iron
6	Thrust Washer	Brass
7	Holding Ring	Brass
8	Thrust Nut	Brass
9	Gland	Ductile iron
10	Cap	Ductile iron
11	Cap bolt	SS304
12	Dust Cover	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	O-Ring	NBR
17	Stem nut	Brass



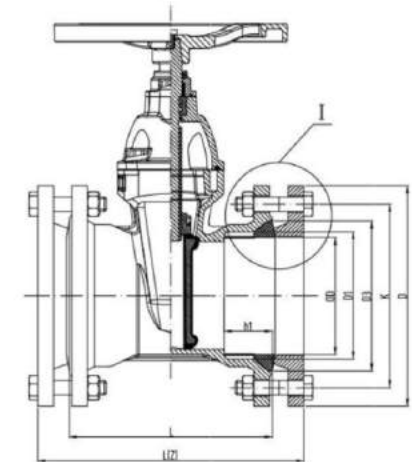
DN	L Face to face	L1	D	A	H	Cap Square	No. of turns closing
DN50/2"	232	80	Ø60	72	225	14x14	9
DN80/3"	292	105	Ø89	82	280	17x17	12
DN100/4"	328	120	Ø114	88	325	19x19	12
DN150/6"	400	140	Ø168	120	405	19x19	17
DN200/8"	461	160	Ø219	141	500	24x24	18.5
DN250/10"	490	170	Ø273	150	595	24x24	23
DN300/12"	550	190	Ø324	170	675	24x24	27

"IVALVE" RESILIENT SEATED GATE VALVE
Mechanical Type



- * Connection: Mechanical joint,
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Disc	EPDM+DI
3	Bonnet Gasket	NBR
4	Stem	SS420
5	Bonnet	Ductile iron
6	Thrust Washer	Brass
7	Holding Ring	Brass
8	Thrust Nut	Brass
9	Gland	Ductile iron
10	Cap	Ductile iron
11	Cap bolt	SS304
12	Dust Cover	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	O-Ring	NBR
17	Stem nut	Brass



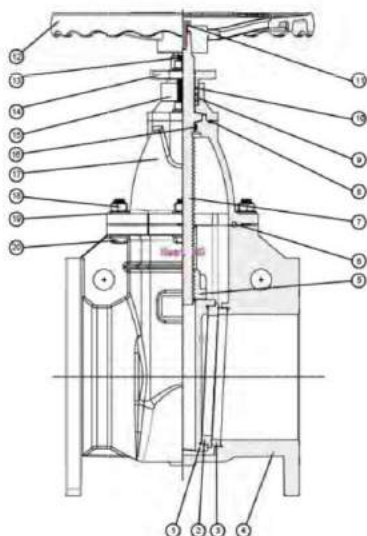
Size DN	PIPE OP PVC	DIMENSIONS						Num. of turns to close	Closing Torque (N.m)
		L	D 1	D 2	D 3	K	D		
DN50	63	178	69	70.6	87.4	125	165	9	30
DN75	90	203	96	97.6	115.8	160	200	12	35
DN100	110	229	116	121.2	140	180	230	12	40
DN150	160	267	166	171.2	194	240	285	17	70
DN200	225	292	231	236.2	258	295	340	18.5	120
DN250	280	330	286	291.2	314	360	405	23	150
DN300	315	356	321	326.2	349	410	460	27	180

"IVALVE" METAL SEATED GATE VALVE
Flanged end



- * Range: DN50-DN300
- * Working pressure: PN10 / PN16 / PN25
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Disc	Ductile iron
2	Disc sealing	Brass
3	Body sealing	Brass
4	Body	Ductile iron
5	Stem Nut	Brass
6	Bonnet Gasket	EPDM
7	Stem	SS420
8	O-Ring	EPDM
9	O-Ring	EPDM
10	Sealing Shim	PVC-U
11	Bolts	Carbon steel
12	Handwheel	Ductile iron
13	Stud	Carbon steel
14	Stuffing Gland	Ductile iron
15	Stuffing Box	Ductile iron
16	O-Ring	EPDM
17	Bonnet	Ductile iron
18	Bolt	Carbon steel
19	Gasket	Carbon steel
20	Nut	Carbon steel



Size	Face to face dimension(mm)			No. of turns closing	Flange dimension(EN 1092-2) PN10/PN16/PN25			ASME B16.1/16.42 CL.125/150		
	DN	DIN F4	BS 5163		ASME B16.10	D	K	n-d	D	K
DN50/2"	150	178	178	9	165	125	4-Φ19	152	120.5	4-Φ19
DN65/2.5"	170	190	190	10	185	145	4-Φ19/4-Φ19/8-Φ19	178	139.5	4-Φ19
DN80/3"	180	203	203	12	200	160	8-Φ19	191	152.5	4-Φ19
DN100/4"	190	229	229	12	220/220/235	180/180/190	8-Φ19/8-Φ19/8-Φ23	229	190.5	8-Φ19
DN125/5"	200	254	254	14.5	250/250/270	210/210/220	8-Φ19/8-Φ19/8-Φ28	254	216	8-Φ22
DN150/6"	210	267	267	17	285/285/300	240/240/250	8-Φ23/8-Φ23/8-Φ28	279	241.5	8-Φ22
DN200/8"	230	292	292	18.5	340/340/360	295/295/310	8-Φ23/12-Φ23/12-Φ28	343	298.5	8-Φ22
DN250/10"	250	330	330	23	395/405/425	350/355/370	12-Φ23/12-Φ28/12-Φ31	406	362	12-Φ25
DN300/12"	270	356	356	27	445/460/485	400/410/430	12-Φ23/12-Φ28/16-Φ31	483	432	12-Φ25

"IVALVE" STRAINER
Y type



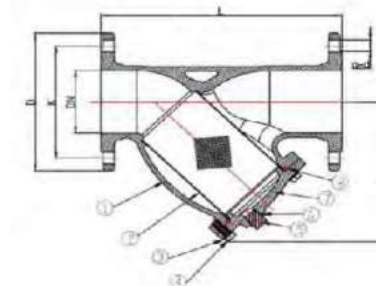
- * Connection: Flanged to EN1092-2, BS4504
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Screen	SS304
3	Bolt	SS304
4	Bolts	SS304
5	Plug	SS304
6	O-Ring	NBR
7	Bonnet	Ductile iron
8	O-Ring	NBR

Standard screen mesh dimension



- DN50-80 Mesh aperture:2mm
Mesh thickness:0.8mm
- DN100-150 Mesh aperture:3mm
Mesh thickness:1mm
- DN200-300 Mesh aperture:5mm
Mesh thickness:1.2mm

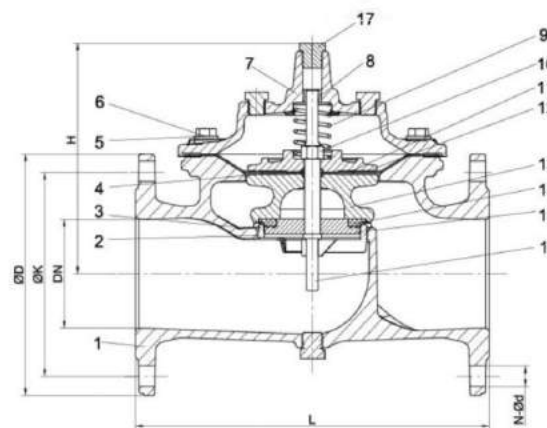


Size	Face to face dimension(mm)		Flange dimension(EN 1092-2,BS4504)PN10/PN16		
	DIN F 1	BS 2080	D	K	n-d
DN40 / 1.5"	200	-	150	110	4-Φ19
DN50 / 2"	230	220	165	125	4-Φ19
DN65 / 2.5"	290	270	185	145	4-Φ19
DN80 / 3"	310	290	200	160	8-Φ19
DN100 / 4"	350	350	220	180	8-Φ19
DN125 / 5"	400	390	250	210	8-Φ19
DN150 / 6"	480	440	285	240	8-Φ23
DN200 / 8"	600	540	340 / 340	295 / 295	8-Φ23 / 12-Φ23
DN250 / 10"	730	660	395 / 405	350 / 355	12-Φ23 / 12-Φ28
DN300 / 12"	850	720	445 / 460	400 / 410	12-Φ23 / 12-Φ28
DN350 / 14"	980	-	505 / 520	460 / 470	16-Φ23 / 16-Φ31
DN400 / 16"	1100	-	565 / 580	515 / 525	16-Φ28 / 16-Φ31
DN450 / 18"	1200	-	615 / 640	565 / 585	20-Φ28 / 20-Φ31
DN500 / 20"	1250	-	670 / 715	620 / 650	20-Φ28 / 20-Φ34

"IVALVE" HYDRAULIC CONTROL VALVE
Main body deisgn show



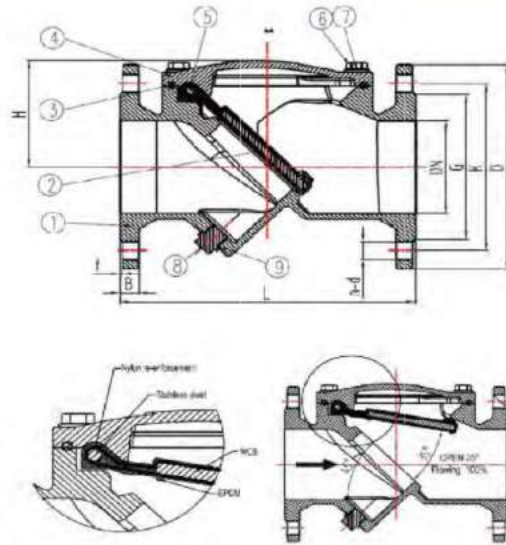
"IVALVE" HYDRAULIC CONTROL VALVE
Main Valve



ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Seat	SS304
3	O-Ring	NBR
4	O-Ring	NBR
5	Bolt	SS304
6	Washer	SS304
7	Bonnet	Ductile iron
8	Bush	Brass
9	Spring	SS304
10	Nut	SS304
11	Diaphragm	EPDM+Nylon Fabric
12	Fixing holder	Ductile iron
13	Disc holder	Ductile iron
14	Seat	EPDM
15	Sear Retainer	SS304
16	Stem	SS304
17	Plug	SS304

Size	Face to face dimension(mm)		Flange dimension(EN 1092-2,BS4504)PN10/PN16		
	DN	L	D	K	n-d
DN50/2"	230	165	125	4-φ19	
DN65/2.5"	290	185	145	4-φ19	
DN80/3"	310	200	160	8-φ19	
DN100/4"	350	220	180	8-φ19	
DN125/5"	400	250	210	8-φ19	
DN150/6"	480	285	240	8-φ23	
DN200/8"	600	340 / 340	295 / 295	8-φ23 / 12-φ23	
DN250/10"	730	395 / 405	350 / 355	12-φ23 / 12-φ28	
DN300/12"	850	445 / 460	400 / 410	12-φ23 / 12-φ28	

"IVALVE" NON-RETURN VALVE
Flexible Rubber Flap Check Valve

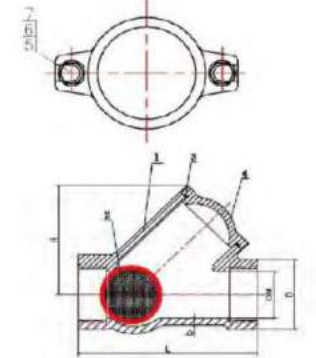


ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Disc	WCB+EPDM
3	Gasket	NBR
4	Bonnet	Ductile iron
5	Pin	SS420
6	Bolt	SS304
7	Washer	SS304
8	Plug	SS304
9	O-Ring	NBR

45° closing angle - minimize closure time
 35° max open – enough flow area
 Disc: WCB+EPDM
 The cover is removable and allow removal of the disc without removing the valve from the pipeline.

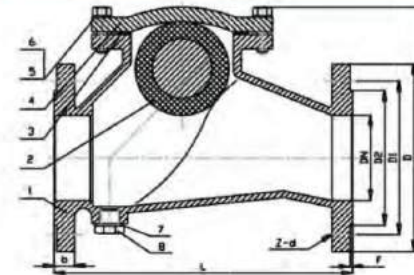
Size	Face to face dimension(mm)		Flange dimension(EN 1092-2,BS4504)PN10/PN16						
	DN	DIN-F6	BS 5153 BS EN12334	D	K	G	n-d	B	f
DN50/2"	200	203	165	125	99	4-Φ19	19	3	88
DN65/2.5"	240	216	185	145	118	4-Φ19	19	3	100
DN80/3"	260	241	200	160	132	8-Φ19	19	3	108
DN100/4"	300	292	220	180	156	8-Φ19	19	3	118
DN125/5"	350	330	250	210	184	8-Φ19	19	3	150
DN150/6"	400	356	285	240	211	8-Φ23	19	3	160
DN200/8"	500	495	340/340	295/295	266	8-Φ23/12-Φ23	20	3	250
DN250/10"	600	622	395/405	350/355	319	12-Φ23/12-Φ28	22	3	295
DN300/12"	700	698	445/460	400/410	370	12-Φ23/12-Φ28	24.5	4	330

"IVALVE" NON-RETURN VALVE
Ball Check Valve, Threaded and Flanged



ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Ball	NBR
3	O-Ring	NBR
4	Cover	Ductile iron
5	Gasket	SS304
6	Washer	SS304
7	Nut	SS304

Size	DIN3202	Flange dimension(EN 1092-2)		
	F6	PN10/PN16		
DN	L	D	H	b
DN25	135	50	75	6
DN32	135	50	75	6
DN40	145	60	93	6
DN50	175	72	106	7
DN65	200	90	131	7



ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Ball	NBR
3	Gasket	NBR
4	Body	Ductile iron
5	Bolt	SS304
6	Washer	SS304
7	Washer	Nylon
8	Plug	SS304

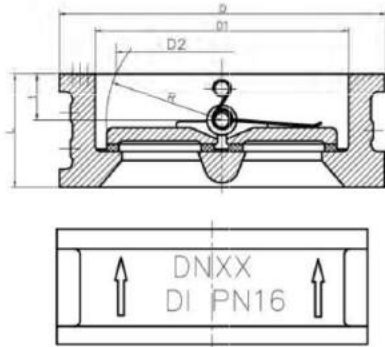
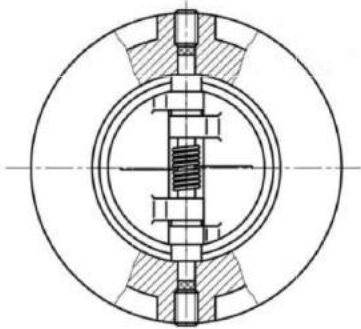
Size	DIN3202-F6	Flange dimension(EN 1092-2)PN10/PN16		
	L	D	K	n-d
DN40/1.5"	180	150	110	4-Φ19
DN50/2"	200	165	125	4-Φ19
DN65/2.5"	240	185	145	4-Φ19
DN80/3"	260	200	160	8-Φ19
DN100/4"	300	220	180	8-Φ19
DN125/5"	350	250	210	8-Φ19
DN150/6"	400	285	240	8-Φ23
DN200/8"	500	340	295/295	8-Φ23/12-Φ23
DN250/10"	600	405	350/355	12-Φ23/12-Φ28
DN300/12"	700	460	400/410	12-Φ23/12-Φ28
DN400/16"	900	580	515/525	16-Φ28/16-Φ31
DN500/20"	1100	715	620/650	20-Φ28/20-Φ34



**"IVALVE" NON-RETURN VALVE
Dual Plate Wafer Check Valve**



- * Range: DN40-DN700
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating



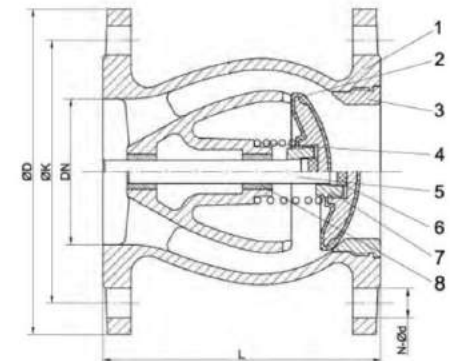
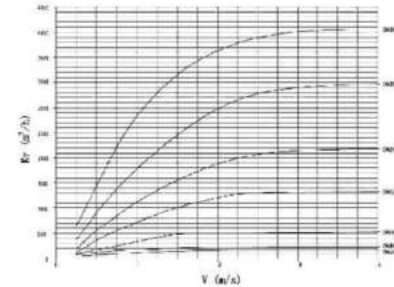
Size	Face to Face	Flange dimension(EN 1092-2)PN10/PN16					Unit weight
DN	L	D	D1	D2	R	t	kg
DN40/1.5"	43	107	65	43.3	28.8	19	1.5
DN50/2"	43	107	65	43.3	28.8	19	1.5
DN65/2.5"	46	127	80	60.2	36.1	20	2.4
DN80/3"	64	142	94	66.4	43.4	28	3.6
DN100/4"	64	162	117	90.8	52.8	27	5.7
DN125/5"	70	192	145	116.9	65.7	30	7.3
DN150/6"	76	218	170	144.6	78.6	31	9
DN200/8"	89	273	224	198.2	104.4	33	17
DN250/10"	114	328	265	233.7	127	50	26
DN300/12"	114	378	310	283.9	148.3	43	42
DN350/14"	127	438	360	332.9	172.4	45	55
DN400/16"	140	489	410	381	197.4	52	75
DN450/18"	152	539/555	450	419.9	217.8	58	101
DN500/20"	152	594	505	467.8	241	58	111
DN600/24"	178	690	624	572.6	295.4	73	172
DN700/28"	229	800	720	680	354	98	219

**"IVALVE" NON-RETURN VALVE
Nozzle Check Valve**



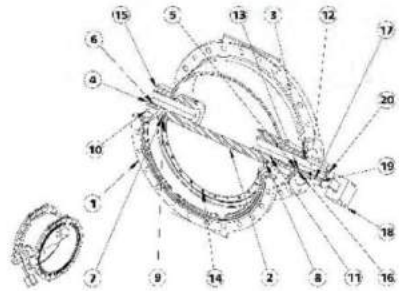
- * BS EN1074-3 / BS EN12334
- * Range: DN50-DN300
- * Working pressure: PN10 / PN16 / PN25
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Ball	NBR
3	O-Ring	NBR
4	Cover	Ductile iron
5	Gasket	SS304
6	Washer	SS304
7	Nut	SS304

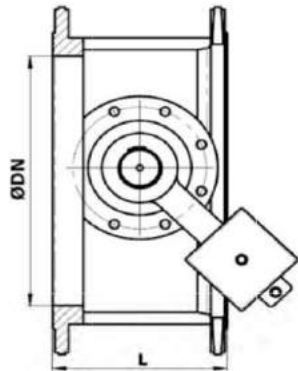


DN	50	65	80	100	125	150	200	250	300
Face to face(L)	150	150	180	190	210	210	230	250	270
Outer diameter of flange EN1092-2/ISO 7005-2	PN 10	165	185	200	220	250	285	340	400
	PN 16	165	185	200	220	250	285	340	400
	PN 25	165	185	200	235	270	300	360	425
Weight of PN16(kg.)approx	7	8	12	15	20	25	41	59	80
Shell test	37.5Bar								
Seat test	0.5 Bar & 27.5 Bar								

"IVALVE" NON-RETURN VALVE
Tilting Disc Check Valve

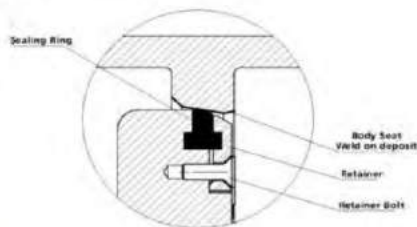


ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Disc	Ductile iron
3	Shaft	SS420
4	Hinge shaft	SS304
5/6	Bearing	Bronze
7	Body seat	Weld SS
8	Sealing ring	Rubber
9/19	Retainer	Stainless steel
10	Shaft cover	Cast iron
11/12	Key	Stainless steel
13	Sealing bush	Stainless steel
14/15/20	Bolts	Stainless steel
16	Circlip	Galvanized steel
17	Level	Ductile iron
18	Weight	Cast iron
21	O-Rings	Rubber



DN	L	Kg
DN350/14"	290	130
DN400/16"	310	175
DN450/18"	330	245
DN500/20"	350	320
DN600/24"	390	460
DN700/28"	430	670
DN800/32"	470	880
DN900/36"	510	1250
DN1000/40"	550	1650

Disc sealing ring and body seat

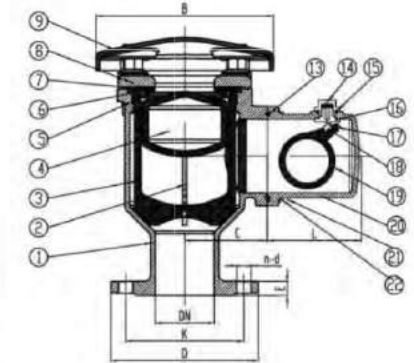


"IVALVE" AIR RELEASE VALVE
Double Orifice, Flanged connection

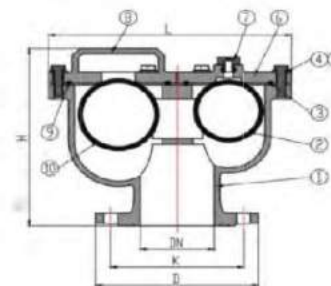


ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Float guide	ABS
3	Float	ABS
4	Drain plug	Stainless steel
5	Support	ABS
6	Seat ring	EPDM
7	Seat support	ABS
8	Cover	Ductile iron
9-10	Washer/Washer	SS304
11	Cowl	Ductile iron
12-15	Bolt/Nut	SS304
15	O-ring	EPDM
16	Side body	Ductile iron
17	Cap	Nylon
18	Gasket	EPDM
19	Bracket	Nylon
20	Screw	Stainless steel
21	Seat	EPDM
22	Hinge Pin	Stainless steel
23	Side float	ABS
24	Stud	Zinc-plated steel

DN	L	D	D1	H	K	W	n-d
DN50/2"	227	165	98	319	125	206	4-Ø19
DN65/2.5"	227	185	118	319	145	206	4-Ø19
DN80/3"	227	200	132	319	160	206	8-Ø19
DN100/4"	238	250	156	413	180	280	8-Ø19
DN150/6"	238	285	211	413	240	280	8-Ø23



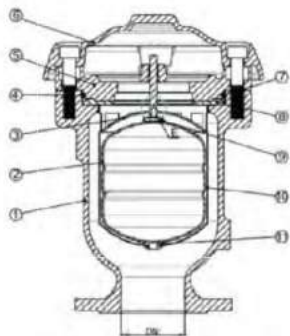
DN	L	D	H	K	n-d
DN50/2"	242	165	210	125	4-Ø19
DN65/2.5"	242	185	210	145	4-Ø19
DN80/3"	306	200	255	160	8-Ø19
DN100/4"	328	220	270	180	8-Ø19
DN150/6"	400	285	350	240	8-Ø23



ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Floating ball	EPDM+ SS
3	O-Ring	NBR
4	Bolts	Carbon steel
5	Washers	Carbon steel
6	Exhaust Nut	CuZn40
7	Exhaust Cover	Ductile iron
8	Bonnet	Ductile iron
9	O-Ring	NBR
10	Floating ball	EPDM+ SS

"IVALVE" AIR RELEASE VALVE
Single Orifice, Flanged & Screwed

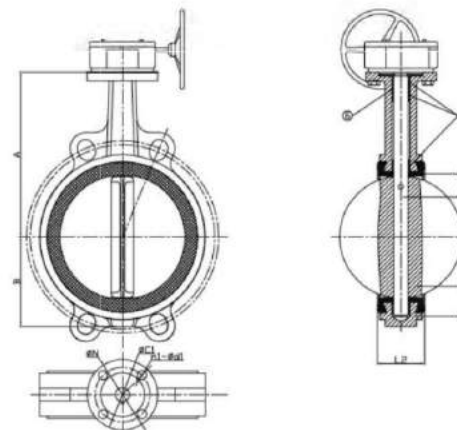
IV-BFV-01 Butterfly Valve
Wafer type



ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Float	SS304
3	Sealing Arc	SS304
4	Bolt	SS304
5	Bonnet	Ductile iron
6	Cover	Ductile iron
7	O-ring	NBR
8	Seat	EPDM
9	Nozzle seat	EPDM
10	Guide Barrel	SS304
11	Buffer	EPDM

DN	H	B	D	K	C	n-d
DN50/2"	315	99	165	125	19	4-Ø19
DN80/3"	396	132	200	160	19	8-Ø19
DN100/4"	425	156	220/220/235	180/180/190	19	8-Ø19/8-Ø19/8-Ø23
DN150/6"	534	211	285/285/300	240/240/250	19/19/20	8-Ø23/8-Ø23/8-Ø28
DN200/8"	635	266/266/274	340/340/360	295/295/310	20/20/22	8-Ø23/12-Ø23/12-Ø28
DN300/12"	806	370/370/389	445/460/485	400/410/430	24.5/24.5/27.5	12-Ø23/12-Ø28/16-Ø31

Item	Part Name	Material
1	Body	Cast iron
2	Disc	Ductile iron
3	Stem	SS410
4	Seal	EPDM
5	O-Ring	NBR

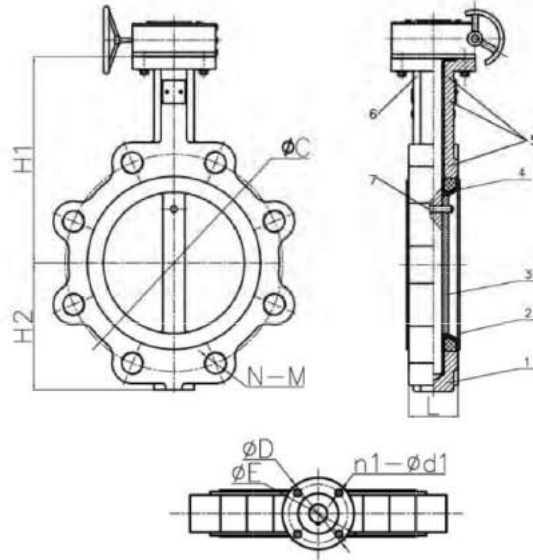


ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Float	ABS
3	Bolt	SS304
4	O-ring	NBR
5	Bonnet	Ductile iron
6	Gasket	SS304
7	Bolt	SS304
8	Adjusting Pin	SS304
9	Gasket	NBR
10	Vent cap	Nylon
11	Sealing ring	NBR
12	Yoke	Nylon
13	Pin	SS304

Size		A	B	C	D	L	H	D ₁	n-Ø	K	E	n ₁ -Ø ₁	Ø ₂	G	n ₂ -M	Weight (kg)
mm	mm															
50	2"	161	80	42	52.9	32	84.84	120	4-23	77	57.15	4-6.7	12.6	118	-	2.5
65	2.5"	175	89	44.7	64.5	32	96.2	136.2	4-26.5	77	57.15	4-6.7	12.6	137	-	3.2
80	3"	181	95	45.2	78.8	32	61.23	160	8-18	77	57.15	4-6.7	12.6	143	-	3.6
100	4"	200	114	52.1	104	32	70.80	185	4-24.5	92	69.85	4-10.3	15.77	156	-	4.9
125	5"	213	127	54.4	123.3	32	82.28	215	4-23	92	69.85	4-10.3	18.92	190	-	7
150	6"	226	139	55.8	155.6	32	91.08	238	4-25	92	69.85	4-10.3	18.92	212	-	7.9
200	8"	260	175	60.8	202.5	45	112.88/76.35	295	4-34/23	115	88.9	4-14.3	22.10	268	-	13.2
250	10"	292	203	65.6	250.5	45	92.40	357	4-29	115	88.9	4-14.3	28.45	325	-	19.2
300	12"	337	242	76.9	301.6	45	105.34	407	4-29	140	107.95	4-14.3	31.60	403	-	32.5
350	14"	368	267	76.5	333.3	45	91.11	467	4-30	140	107.95	4-14.3	31.60	436	-	41.3
400	16"	400	300	86.8	389.6	51.2/72	100.47/102.40	515/525	4-26/4-30	197	158.75	4-20.6	33.15	488	-	81
450	18"	422	328	105.6	440.5	51.2/72	103.98/105.5	565/585	4-26/4-30	197	158.75	4-20.6	38	630	-	79
500	20"	480	361	131.8	491.6	54.2/82	105.98/108.5	620/650	4-26/4-33	197	158.75	4-20.6	41.15	693	-	128
600	24"	562	459	152	592.5	70.2/82	113.45/120.6	725/770	4-26/4-33	276	215.9	4-22.2	50.65	816	-	188
700	28"	624	520	183	695	66/82	109.65	840	4-26/4-33	300	254	8-18	55/63.35	895	4-M33	284
800	32"	672	591	188	794.7	66/82	124	950	4-26/4-33	300	254	8-18	55/63.35	1015	-	388
900	36"	720	656	203	864.7	118	114.57	1050	24-33	300	254	8-18	75	1115	4-M30	713
1000	40"	800	721	216	965	142	129.89	1160	24-36	300	254	8-18	85	1230	4-M33	864

**IV-BFV-02 Butterfly Valve
Lug type**

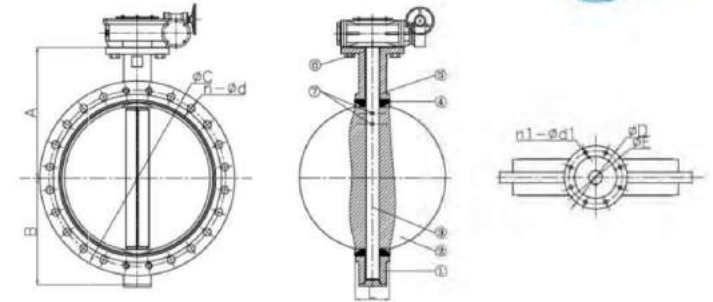
**IV-BFV-03 Butterfly Valve
Flanged Centric type**



Item	Part Name	Material
1	Body	Ductile iron
2	Disc	Ductile iron
3	Stem	SS420/SS304
4	Seat	NBR
5	O-Ring	NBR

Size	A	B	C	D	L	H	D ₁	n-M	K	E	n ₁ -Ø ₁	Ø ₂	G	Weight (kg)
	mm	mm												
50	2"	161	80	42	52.9	32	84.84	120	4-M16	77	57.15	4-6.7	12.6	138
65	2.5"	175	89	44.7	64.5	32	96.2	136.2	4-M16	77	57.15	4-6.7	12.6	137
80	3"	181	95	45.2	78.8	32	61.23	160	8-M16	77	57.15	4-6.7	12.6	178
100	4"	200	114	52.1	104	32	70.80	185	8-M16	92	69.85	4-10.3	15.77	200
125	5"	213	127	54.4	123.3	32	82.28	215	8-M16	92	69.85	4-10.3	18.92	238
150	6"	226	139	55.8	155.6	32	91.08	238	8-M20	92	69.85	4-10.3	18.92	266
200	8"	260	175	60.8	202.5	45	112.89/76.35	295	8-M20/12-M20	115	88.9	4-14.3	22.10	329
250	10"	292	203	65.6	250.5	45	92.40	357	12-M20/12-M20	115	88.9	4-14.3	28.45	393
300	12"	337	242	76.9	301.6	45	105.34	407	12-M20/12-M24	140	107.95	4-14.3	31.60	462
350	14"	368	267	76.5	333.3	45	91.11	467	16-M20/16-M24	140	107.95	4-14.3	31.60	515
400	16"	400	300	86.8	389.6	51.2/72	100.47/102.42	515/525	16-M24/16-M27	197	158.75	4-20.6	33.15	579
450	18"	422	328	105.6	440.5	51.2/72	88.39/91.51	565/585	20-M24/20-M27	197	158.75	4-20.6	38	627
500	20"	480	361	131.8	491.6	64.2/82	96.99/101.68	620/650	20-M24/20-M30	197	158.75	4-20.6	41.15	696
600	24"	562	459	152	592.5	70.2/82	113.45/120.46	725/770	20-M27/20-M33	276	215.9	4-22.2	50.65	821

Item	Part Name	Material
1	Body	Ductile iron
2	Bushing	F4
3	Seat	EPDM
4	Stem	SS416
5	Disc	Ductile iron
6	PIN	SS416
7	O-Ring	EPDM
8	Bolt	201
9	Worm-gear	Ductile iron

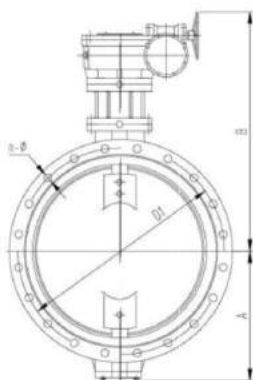
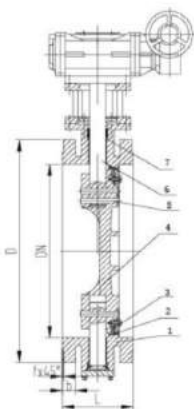


Size	A	B	C	D	K	d	f	n x d ₀	L	L ₁	Weight (kg)
DN50	83	120	19	165	125	99	3	4xØ19	108	111	7.6
DN65	93	130	19	185	145	118	3	4xØ19	112	115	9.7
DN80	100	145	19	200	160	132	3	8xØ19	114	117	10.6
DN100	114	155	19	220	180	156	3	8xØ19	127	130	13.8
DN125	125	170	19	250	210	184	3	8xØ19	140	143	18.2
DN150	143	190	19	285	240	211	3	8xØ23	140	143	21.7
DN200	170	205	20	340	295	266	3	12xØ23	152	155	34.6
DN250	198	235	22	405	355	319	3	12xØ28	165	168	51.1
DN300	223	280	24.5	460	410	370	4	12xØ28	178	182	66.8
DN350	312	310	26.5	520	470	429	4	16xØ28	190	194	107
DN400	330	400	28	580	525	480	4	16xØ31	216	221	139
DN450	363	422	30	640	585	548	4	20xØ31	222	227	190
DN500	390	480	31.5	815	650	609	5	20xØ34	229	234	232
DN600	495	562	36	840	770	720	5	20xØ37	267	272	350
DN700	581	624	39.5	910	840	794	5	24xØ37	292	299	442
DN800	655	672	43	1025	950	901	5	24xØ40	318	325	590
DN900	713	720	46.5	1125	1050	1101	5	28xØ40	330	337	746
DN1000	802	800	50	1255	1170	1112	5	28xØ43	410	417	976
DN1200	951	941	57	1485	1390	1328	5	32xØ49	470	478	1540

**Butterfly valve
Double flanged eccentric**



Item	Part Name	Material
1	Body	GGG40
2	Body Sealing	SS304
3	Disc Sealing	EPDM
4	Disc	GGG40
5	PIN	SS304
6	Stem	AISI 431
7	Bushing	PTFE



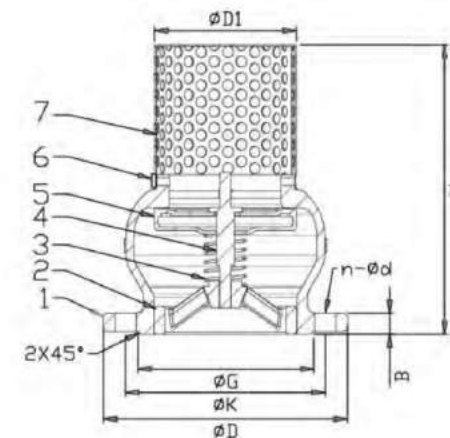
Size	L		A	B	f x 45°	EN1092-2 PN10/16			b
	Series 13	Series 14				D	D1	n-ø	
DN200	152	230	182	489	3	340	295	8xø23/12xø23	20
DN250	165	250	219	565	3	395/405	350/355	12xø23/12xø28	22
DN300	178	270	244	690	4	445/460	400/410	12xø23/12xø28	24.5
DN350	190	290	283	715	4	505/520	460/470	16xø23/16xø28	24.5
DN400	216	310	312	763	4	562/580	515/525	16xø28/16xø31	24.5
DN450	222	330	344	786	4	615/640	565/585	20xø28/20xø31	25.5
DN500	229	350	381	882	4	670/715	620/650	20xø28/20xø34	26.5
DN600	267	390	451	987	5	780/840	725/770	20xø31/20xø37	30
DN700	292	430	526	1048	5	895/910	840	24xø31/24xø37	32.5
DN800	318	470	581	1097	5	1015/1025	950	24xø34/24xø40	35.5
DN900	330	510	643	1197	5	1115/1125	1050	28xø34/28xø40	37.5
DN1000	410	550	722	1273	5	1230/1255	1160/1170	28xø37/28xø43	40
DN1200	470	630	840	1484	5	1455/1485	1380/1390	32xø41/28xø49	45

**"VALVE" FOOT VALVE
Flanged connection, Lift type**



- * Connection: Flanged end, EN1092-2
- * Working pressure: PN10 / PN16
- * Temperature range: 0°C ~ 80°C
- * Fusion bonded epoxy coating

ITEM	PART NAME	MATERIAL
1	Body	Ductile iron
2	Seat	Ductile iron
3	Spring	SS304
4	Stem	SS420
5	Disc	DI+EPDM
6	Bolt	SS304
7	Screen	SS304



Size	Flange dimension(EN 1092-2)PN10/PN16						
	DN	D	D1	K	G	n-d	B H
DN50/2"	165	75	125	102	4-ø19	19	260
DN65/2.5"	185	90	145	122	4-ø19	19	270
DN80/3"	200	105	160	138	8-ø19	19	300
DN100/4"	220	125	180	158	8-ø19	19	310
DN125/5"	250	153	210	188	8-ø19	19	345
DN150/6"	285	177	240	212	8-ø23	19	390
DN200/8"	340/340	226	295/295	268	8-ø23/12-ø23	20	460
DN250/10"	395/405	277	350/355	320	12-ø23/12-ø28	22	480
DN300/12"	445/460	329	400/410	378	12-ø23/12-ø28	24.5	510