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# Product Summary

*Complete Solutions for Water Valve Industry*



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## About Neway

### Complete Solutions for Industrial Valves

As a global leader of valve manufacturing, Neway (SSE:603699) is dedicated to the production, research, and development of industrial valves. Neway is committed to providing complete valve solutions to all industries through advanced engineering and innovation.

Neway's product line includes Ball, Butterfly, Gate, Globe, Check, Nuclear, Control, Subsea, Safety valves. Our high quality standards and innovative ability are recognized by many global end users and EPCs. Neway valves are utilized in a wide variety of industries and working conditions such as Refining, Chemical, Coal Chemical, Offshore(including subsea), Air Separation, LNG, Nuclear Power, Power Generation, Pipeline Transmission, Renewable & Green Energy and Water applications.

### Facilities & Service

Neway has developed a sophisticated multi-plant management system operating two valve assembly plant, one API6A valve plant, three foundries, and three R&D center. Our largest assembly plant was expanded in 2013, and it now covers 230,000 square meters.

Advanced software (ANSYS, FE-Safe, CF-Design, Siemens PLM and NX) is applied here at Neway for the Research & Development of products. We use SAP to control the traceability and status of all products during the manufacturing process. In order to ensure the safety, eco-friendliness, and reliability of our products, we use the most advanced fire-safe, cryogenic, high pressure, and fugitive emission test equipment.

As part of Neway's global strategy, to provide better service to our customers, we have established our overseas subsidiaries in USA, Netherlands, Italy, Singapore, Dubai along and Nigeria with over 80 agents and distributors worldwide.

### High Quality, High Value

Neway is dedicated to the pursuit of "Zero Defect". We maintain a quality management system that encompasses our entire operation from order entry, to final inspection. Through Neway's continuous efforts, our products have successfully achieved industrial certificates including ISO 9001, API 6A, API 6D, CE/PED, ASME N & NPT, TA-Luft, ABS, CU-TR, and Fire-Safe approvals.

## Quality Commitment

Neway recognizes the importance of valve quality for the safety and protection of personnel health and property. It is our quality commitment to focus our resources to provide our customers with first class products at a competitive price, that are designed, manufactured, inspected and tested in accordance with our customer's specifications and that comply with all international standards.

With respect to the facts that the current industrial standards do not always take into consideration the likelihood and consequences of possible deterioration in service, related to specific service fluids or the external environment in which they operate. Our customers are requested to keep an open line of communication with our engineering department to identify and implement standards, that will provide valves with the possibility of deterioration in service, so as to ensure safety over the valves expected lifetime.



## Material Foundries

Valve casting quality is of prime importance for product life, personnel and environmental safety, particularly in high temperature and high pressure service as valve serves as one of pressure-containing equipment in process-controlled pipeline. Thus, castings are always certified firstly by the customers requiring strictly before a valve manufacturer is prequalified and approved as a qualified supplier.

Compared with most of other competitors, we own four foundries: Each is equipped with all kinds of quality inspection facilities, such as spectrum instrument, non-destructive test machinery, and mechanical property test device. Against such backdrop, Neway can monitor the whole process of manufacture to ensure product quality, delivery and competitive price and enable Neway to remain a credible supplier for every customer.

## Technical Innovation

With cutting-edge computer technology utilized, NEWAY Technical Center focuses on providing outstanding quality products and developing new lines. There is a highly educated and well-trained engineering team, supported by a comprehensive internal computer network which links the entire operations of design, manufacturing and administration.

NEWAY design philosophy is to develop a safe and cost-efficient valve. We introduced the latest Ansys, Fe-safe, CF-design and NX software for all our new product design research which include the advanced finite element analysis, fluid and fatigue analysis to virtually verify the new design prior to production, which has resulted in dramatically shortening development duration and assure a safe and cost-efficient final product.

NEWAY technical personnel are always ready to offer on line or on site technical training and support for all of its distributors, agents and end users.



## Advanced Manufacturing

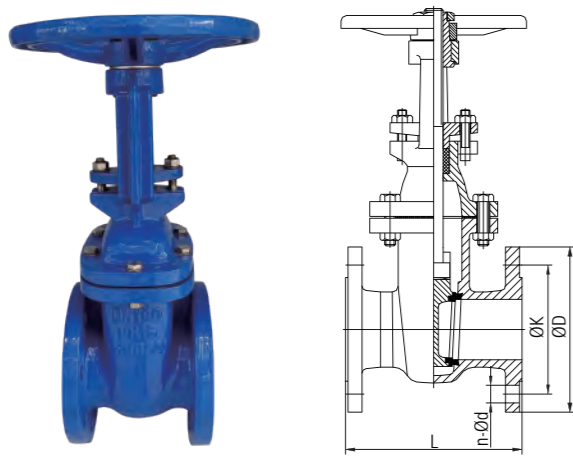
The latest computer technology has been extensively applied in NEWAY manufacturing, which includes a large number of numeric control machines (machining center, CNC horizontal and vertical lathe and CNC drilling machine, Automatic assembly line) and ERP management system. Additionally, the data through all factories have been connected and shared. These facilitate resource integration, boost productivity, evidently enhancing machining quality and tightening process control.



## Quality Control

NEWAY developed comprehensive and advanced inspection and test facilities to control the quality from rough castings or forgings to final products, which enable us to perform radiographic test, liquid penetrant test, magnetic-particle test, spectrum analysis, Material Positive Identification (MPI), impact test, tensile test, hardness test, fire safe test, cryogenic test, vacuum test, low fugitive emission test, high pressure gas test, ultrasonic testing and hydrostatic test.

OS&Y Metal Seated Gate Valve



Feature:

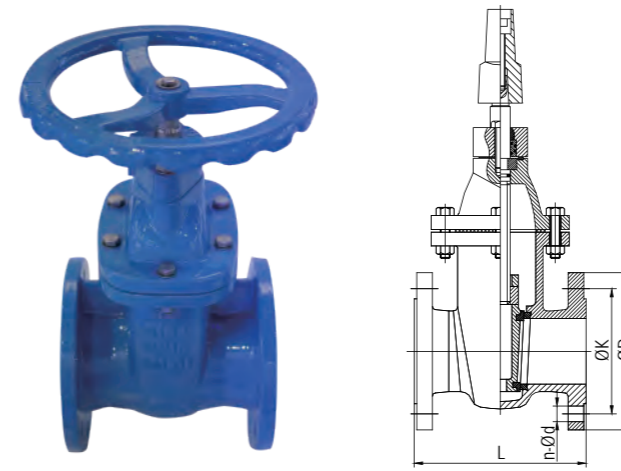
- ① Rising stem
- ② Zero leakage throughout its lifetime
- ③ Low operation torque throughout the valve lifetime
- ④ Full range available in multiple connections
- ⑤ Blowout retention design
- ⑥ Flat bottomed seat avoid debris accumulation
- ⑦ High quality epoxy coating applied to Ductile Iron material to prevent corrosion

Application	
Valve size	DN40-1200,1-1/2"-48"
Pressure class	PN10/16,CL125/150
Design standard	EN1171,EN1074-2,AWWA C500,DIN3352
Flange standard	EN1092-2,ASME B16.1/16.42
Face to face standard	BS5163,DIN 3202-1-F4/F5,ASME B16.10
Tests standard	API598,ISO5208,EN12266
Applicable medium	Water, Oil, Steam
Operation	Hand wheel/Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze

DN	Outline mm				
	BS5163-1986 PN10/16		DIN 3202-1-F4-1984	DIN 3202-1-F5-1984	ASME B16.10-2022 CL125/150
	L				
40	-	-	140	240	-
50	178	±2	150	250	178
65	190	±2	170	270	190
80	203	±2	180	280	203
100	229	±2	190	300	229
125	254	±3	200	325	254
150	267	±3	210	350	267
200	292	±3	230	400	292
250	330	±3	250	450	330
300	356	±3	270	500	356
350	381	±3	290	550	381
400	406	±3	310	600	406
450	432	±3	330	650	432
500	457	±3	350	700	457
600	508	±4	390	800	508

NRS Metal Seated Gate Valve



Feature:

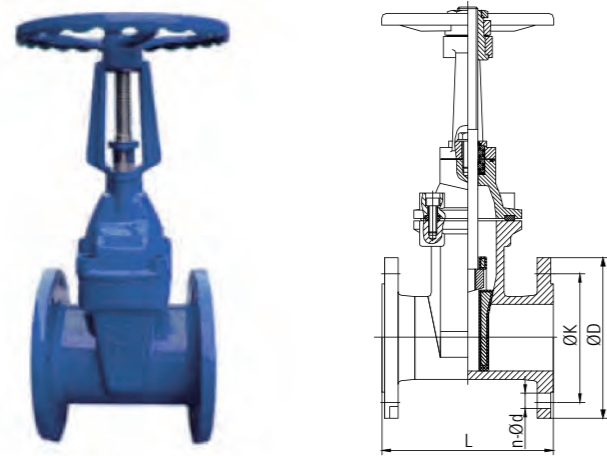
- ① Non-raising stem
- ② Zero leakage
- ③ Low operation torque
- ④ Blowout retention design
- ⑤ High quality epoxy coating applied to Ductile Iron material to prevent corrosion

Application	
Valve size	DN40-1200,1-1/2"-48"
Pressure class	PN10/16,CL125/150
Design standard	EN1171,EN1074-2,AWWA C500,DIN3352
Flange standard	EN1092-2,ASME B16.1/16.42
Face to face standard	BS5163,DIN 3202-1-F4/F5,ASME B16.10
Tests standard	API598,ISO5208,EN12266
Applicable medium	Water, Oil, Steam
Operation	Hand wheel/Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze

DN	Outline mm				
	BS5163-1986 PN10/16		DIN 3202-1-F4-1984	DIN 3202-1-F5-1984	ASME B16.10-2022 CL125/150
	L				
40	-	-	140	240	-
50	178	±2	150	250	178
65	190	±2	170	270	190
80	203	±2	180	280	203
100	229	±2	190	300	229
125	254	±3	200	325	254
150	267	±3	210	350	267
200	292	±3	230	400	292
250	330	±3	250	450	330
300	356	±3	270	500	356
350	381	±3	290	550	381
400	406	±3	310	600	406
450	432	±3	330	650	432
500	457	±3	350	700	457
600	508	±4	390	800	508

OS&Y Resilient Gate Valve



Feature:

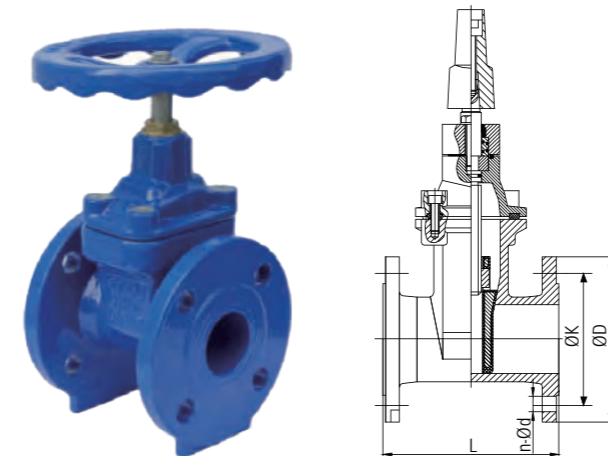
- 1 Rising stem
- 2 Zero leakage
- 3 Low operation torque
- 4 Blowout retention design
- 5 High quality epoxy coating applied to Ductile Iron material to prevent corrosion

Application	
Valve size	DN40-1200,1-1/2"-48"
Pressure class	PN10/16,CL125/150
Design standard	EN1171,EN1074-2,AWWA C515/C509
Flange standard	EN1092-2,ASME B16.1/16.42
Face to face standard	BS5163,DIN 3202-1-F4/F5,ASME B16.10
Tests standard	API598, ISO5208,EN12266
Applicable medium	Water, Oil, Steam
Operation	Hand wheel/Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze

DN	Outline mm				
	BS5163-1986 PN10/16		DIN 3202-1-F4-1984	DIN 3202-1-F5-1984	ASME B16.10-2022 CL125/150
	L				
40	-	-	140	240	-
50	178	±2	150	250	178
65	190	±2	170	270	190
80	203	±2	180	280	203
100	229	±2	190	300	229
125	254	±3	200	325	254
150	267	±3	210	350	267
200	292	±3	230	400	292
250	330	±3	250	450	330
300	356	±3	270	500	356
350	381	±3	290	550	381
400	406	±3	310	600	406
450	432	±3	330	650	432
500	457	±3	350	700	457
600	508	±4	390	800	508

NRS Resilient Gate Valve



Feature:

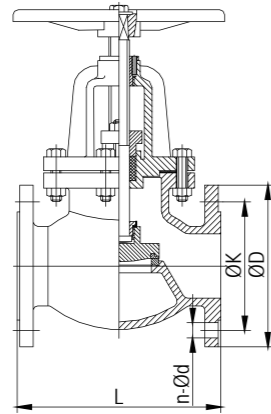
- 1 Zero leakage
- 2 Low operation torque
- 3 Full range available in multiple connections.
- 4 Blowout retention design
- 5 Flat bottomed seat avoid debris accumulation
- 6 High quality epoxy coating applied to Ductile Iron material to prevent corrosion

Application	
Valve size	DN40-1200,1-1/2"-48"
Pressure class	PN10/16,CL125/150
Design standard	EN1171,EN1074-2,AWWA C515/C509
Flange standard	EN1092-2,ASME B16.1/16.42
Face to face standard	BS5163,DIN 3202-1-F4/F5,ASME B16.10
Tests standard	API598, ISO5208,EN12266
Applicable medium	Water, Oil, Steam
Operation	Hand wheel/Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze

DN	Outline mm				
	BS5163-1986 PN10/16		DIN 3202-1-F4-1984	DIN 3202-1-F5-1984	ASME B16.10-2022 CL125/150
	L				
40	-	-	140	240	-
50	178	±2	150	250	178
65	190	±2	170	270	190
80	203	±2	180	280	203
100	229	±2	190	300	229
125	254	±3	200	325	254
150	267	±3	210	350	267
200	292	±3	230	400	292
250	330	±3	250	450	330
300	356	±3	270	500	356
350	381	±3	290	550	381
400	406	±3	310	600	406
450	432	±3	330	650	432
500	457	±3	350	700	457
600	508	±4	390	800	508

Globe Valve



Feature:

- 1 Short opening and closing time
- 2 Small friction between sealing surface
- 3 High sealing performance, long service life

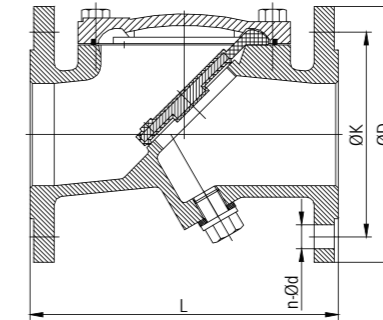
Application	
Valve size	DN15-300, 1/2"-12"
Pressure class	PN16
Design standard	BS5152, EN13789, MSS SP-85, DIN 3356
Flange standard	EN1092-2
Face to face standard	BS5152
Tests standard	BS6755, API 598, ISO5208, EN12266
Applicable medium	Water, Oil
Operation	Hand wheel/Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel
Disc	Stainless steel, Duplex steel
Stem	Stainless steel, Duplex steel, Bronze
Seat	Stainless steel, Duplex steel, Bronze

DN	Outline mm	
	BS5152-1974	
	L	Short
	PN16	
15	108	1
20	117	1
25	127	1
32	140	1
40	165	
50	203	
65	216	
80	241	
100	292	
125	330	
150	356	
200	495	
250	622	
300	698	

1, manufacturer standard

Rubber Disc Swing Check Valve



Feature:

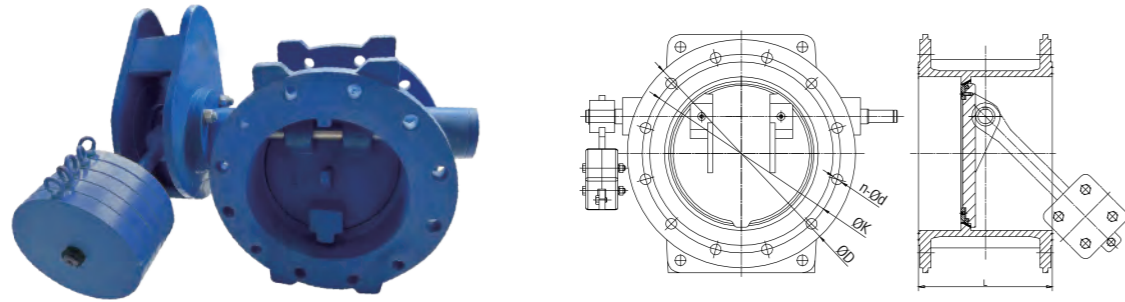
- 1 Rubber Disc, high sealing performance
- 2 Prevent counter flow, high speed switch
- 3 Reduce the impact of water hammer, low noise
- 4 Easy installation and maintenance
- 5 Used in horizontal position and vertical position where liquid flow from bottom to up

Application	
Valve size	DN40-700, 1-1/2"-28"
Pressure class	PN10/16, CL125/150
Design standard	BS5153, MSS SP-71
Flange standard	EN1092-2, ASME B16.1/16.42
Face to face standard	BS5153, DIN3202-1-F6, ASME B16.10
Tests standard	API598, ISO5208, EN12266
Applicable medium	Water, Oil, Steam

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze

DN	Outline mm				
	BS5163-1986 PN10/16		EN 12334-2001 (EN558-2022-CL125/150)	DIN 3202-1-F6-1984	ASME B16.10-2022 CL125/150
	L				
40	165	±1	-	180	-/165
50	203	±2	-	200	203
65	216	±2	-	240	216
80	241	±2	-	260	241
100	292	±2	-	300	292
125	330	±2	-	350	330
150	356	±2	-	400	356
200	495	±3	-	500	495
250	622	±4	-	600	622
300	698	±4	-	700	698
350	787	±4	-	800	787
400	914	±5	-	900	-/864
450	965	±5	-	1000	1016/978
500	1067	±6	-	1100	1016/978
600	1219	±6	-	1300	1210/1295

Tilting Disc Check Valve



Feature:

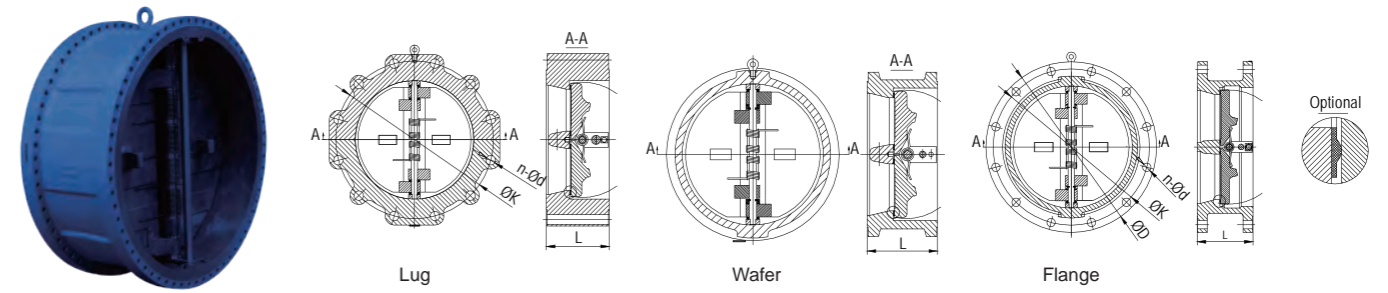
- 1 Compact design, small volume
- 2 Low flow resistance, low noise
- 3 Convenient for maintenance
- 4 Quick close at the beginning and slow close at the end
- 5 Prevent water hammer

Application	
Valve size	DN100-3000,4"-120"
Pressure class	PN25/40,CL150
Design standard	BS5153
Flange standard	EN1092-2
Face to face standard	BS5155,DIN3202-1-F4
Tests standard	API598,ISO5208,EN12266
Applicable medium	Water,Oil

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Shaft	Stainless steel, Duplex steel, Bronze
Seat	Stainless steel, Duplex steel, Bronze
Sealing material	NBR, EPDM, VITON

DN	Outline mm						
	BS5155-1984						DIN 3202-1-F4-1984
	Flange Type		Wafer Type				
	PN25	PN40	PN25		PN40		
Short	Long	Short	Medium	Long			
100	127	190	52	-	64	56	190
125	140	200	56	-	70	64	200
150	140	210	-	-	76	70	210
200	152	230	60	-	89	71	230
250	165	250	68	-	114	76	250
300	178	270	78	-	114	83	270
350	190	290	-	92	127	127	290
400	216	310	-	102	140	140	310
450	222	330	-	114	152	160	330
500	229	350	-	127	152	170	350
600	267	390	-	154	178	200	390
700	292	430	-	-	229	-	430
800	318	470	-	-	241	-	470
900	330	510	-	-	241	-	510
1000	410	550	-	-	300	-	550
1200	470	630	-	-	350	-	630
1400	530	710	-	-	390	-	710
1600	600	790	-	-	440	-	790
1800	670	870	-	-	490	-	870
2000	760	950	-	-	540	-	950

Dual plate check valve



Feature:

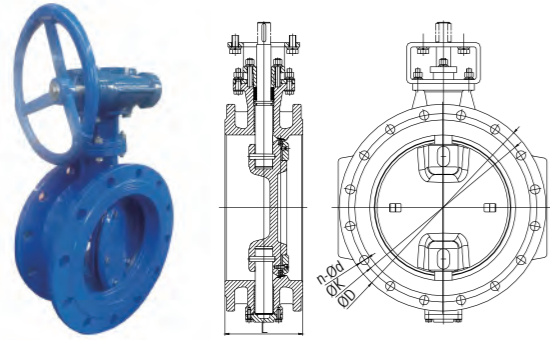
- 1 Compact design, small volume
- 2 No external leakage point
- 3 Return by spring, quick close
- 4 Low flow resistance

Application	
Valve size	DN50-1500,2"-60"
Pressure class	CL150/300/600
Design standard	API594
Flange standard	ASME B16.5,ASME 16.47
Face to face standard	API594
Tests standard	API598,ISO5208,EN12266
Applicable medium	Water, Refinery, Oil & Gas production, Ship building, Petrochemical, Paper industry

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze
Seat material	STL.21/NBR, EPDM, VITON

DN	Outline mm					
	API594-2022					
	Flange Type			LUG/Wafer Type		
	CL150	CL300	CL600	CL150	CL300	CL600
50	114	114	121	60	60	60
80	121	121	143	73	73	73
100	121	121	165	73	73	79
150	130	130	194	98	98	136
200	127	152	219	127	127	165
250	146	178	244	146	146	213
300	181	181	229	181	181	229
350	184	222	273	184	222	273
400	191	232	305	191	232	305
450	203	264	362	203	264	362
500	219	292	368	219	292	368
600	222	318	438	222	318	438

Soft Sealing Double Offset Butterfly Valve



Feature:

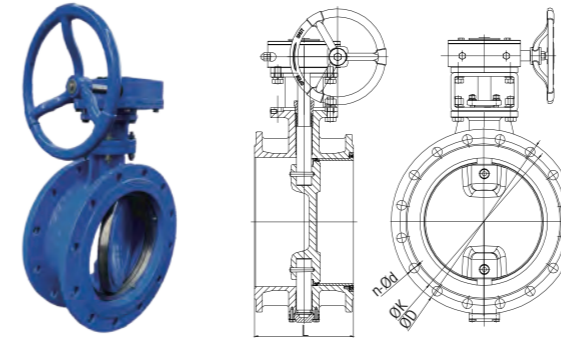
- ① Double eccentric design can ensure minimal stress on the sealing
- ② Body and disc rubber lining/ epoxy coating can be cost saving for corrosion condition
- ③ Sealing material is resistant to aging and corrosion, with a long service life
- ④ Optimized disc shape to reduce head losses
- ⑤ Reliable sealing performance and can achieve bi-directional sealing zero leakage

Application	
Valve size	DN50-4000,2"-160"
Pressure class	PN10/16/25/40,CL125/150
Design standard	GB/T12238,EN593,API609,AWWA C504
Flange standard	EN1092-2,ASME B16.5,ASME 16.47,GB/T17241.6,GB/T9113
Face to face standard	GB/T12221,EN558,API609,AWWA C504,AWWA C516
Tests standard	GB/T 13927, JB/T 9092, EN12266, API609, API6D
Applicable medium	Air, Water, Sea water, Sewage, Gas, Oil
Operation	Gear box/Electric/Pneumatic/Hydraulic/Lever

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze
Seat	Stainless steel, Duplex steel, Bronze
Sealing material	NBR,EPDM,VITON

DN	Outline mm													
	GB/T-12221-2005						EN558-2022						API 609-2021	
	Flange Type		Wafer Type				Flange Type		Wafer Type				Flange Type	Wafer Type
40	106	140	33	-	33	-	106	140	33	-	-	-	-	-
50	108	150	43	-	43	-	108	150	43	-	43	-	-	-
65	112	170	46	-	46	-	112	170	46	-	46	-	-	48
80	114	180	46	49	64	49	114	180	46	49	64	114	203	48
100	127	190	52	56	64	56	127	190	52	56	64	127	229	54
125	140	200	56	64	70	64	140	200	56	64	70	-	-	-
150	140	210	56	70	76	70	140	210	56	70	76	140	267	57
200	152	230	60	71	89	71	152	230	60	71	89	152	292	64
250	165	250	68	76	114	76	165	250	68	76	114	165	330	71
300	178	270	78	83	114	83	178	270	78	83	114	178	356	81
350	190	290	78	92	127	127	190	290	78	92	127	190	381	92
400	216	310	102	102	140	140	216	310	102	102	140	216	406	102
450	222	330	114	114	152	160	222	330	114	114	152	222	432	114
500	229	350	127	127	152	170	229	350	127	127	152	229	457	127
600	267	390	154	154	178	200	267	390	154	154	178	267	508	154
700	292	430	165	-	229	-	292	430	165	-	229	292	610	-
800	318	470	190	-	241	-	318	470	190	-	241	318	660	-
900	330	510	203	200	241	-	330	510	203	-	241	330	711	-
1000	410	550	216	-	300	-	410	550	216	-	300	410	-	-
1200	470	630	254	276	360	-	470	630	254	-	350	470	-	-
1400	530	710	279	-	390	-	530	710	279	-	390	-	-	-
1600	600	790	318	-	440	-	600	790	318	-	440	-	-	-
1800	670	870	356	-	490	-	670	870	356	-	490	-	-	-
2000	760	950	406	-	540	-	760	950	406	-	540	-	-	-

Hard Sealing Double Offset Butterfly Valve



Feature:

- ① Double eccentric design can ensure minimal stress on the sealing
- ② Body and disc rubber lining/ epoxy coating can be costing saving for corrosion condition
- ③ Optimized disc shape to reduce head losses
- ④ Reliable sealing performance and can achieve bi-directional sealing zero leakage
- ⑤ Replaceable and reliable metal sealing ring

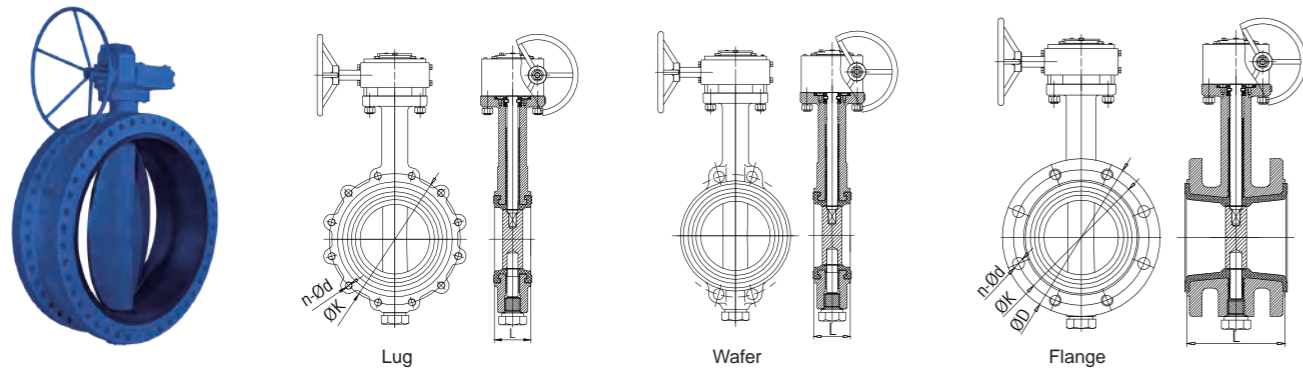
Application	
Valve size	DN50-4000,2"-160"
Pressure class	PN10/16/25/40,CL125/150
Design standard	GB/T8527,EN593,API609
Flange standard	EN1092-2,ASME B16.5,ASME 16.47,GB/T17241.6,GB/T9113
Face to face standard	GB/T12221,EN558,API609
Tests standard	GB/T 13927, JB/T 9092, EN12266, API609, API6D
Applicable medium	Air, Water, Sea water, Sewage, Gas, Oil
Operation	Gear box/Electric/Pneumatic/Hydraulic/Lever

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze
Seat	Stainless steel, Duplex steel, Bronze
Sealing material	Stainless steel

DN	Outline mm													
	GB/T-12221-2005						EN558-2022						API 609-2021	
	Flange Type		Wafer Type				Flange Type		Wafer Type				Flange Type	Wafer Type
40	106	140	33	-	33	-	106	140	33	-	-	-	-	-
50	108	150	43	-	43	-	108	150	43	-	43	-	-	-
65	112	170	46	-	46	-	112	170	46	-	46	-	-	48
80	114	180	46	49	64	49	114	180	46	49	64	114	203	48
100	127	190	52	56	64	56	127	190	52	56	64	127	229	54
125	140	200	56	64	70	64	140	200	56	64	70	-	-	-
150	140	210	56	70	76	70	140	210	56	70	76	140	267	57
200	152	230	60	71	89	71	152	230	60	71	89	152	292	64
250	165	250	68	76	114	76	165	250	68	76	114	165	330	71
300	178	270	78	83	114	83	178	270	78	83	114	178	356	81
350	190	290	78	92	127	127	190	290	78	92	127	190	381	92
400	216	310	102	102	140	140	216	310	102	102	140	216	406	102
450	222	330	114	114	152	160	222	330	114	114	152	222	432	114
500	229	350	127	127	152	170	229	350	127	127	152	229	457	127
600	267	390	154	154	178	200	267	390	154	154	178	267	508	154
700	292	430	165	-	229	-	292	430	165	-	229	292	610	-
800	318	470	190	-	241	-	318	470	190	-	241	318	660	-
900	330	510	203	200	241	-	330	510	203	-	241	330	711	-
1000	410	550	216	-	300	-	410	550	216	-	300	410	-	-
1200	470	630	254	276	360	-	470	630	254	-	350	470	-	-
1400	530	710	279	-	390	-	530	710	279	-	390	-	-	-
1600	600	790	318	-	440	-	600	790	318	-	440	-	-	-
1800	670	870	356	-	490	-	670	870	356	-	490	-	-	-
2000	760	950	406	-	540	-	760	950	406	-	540	-	-	-



## Concentric Butterfly Valve



### Feature:

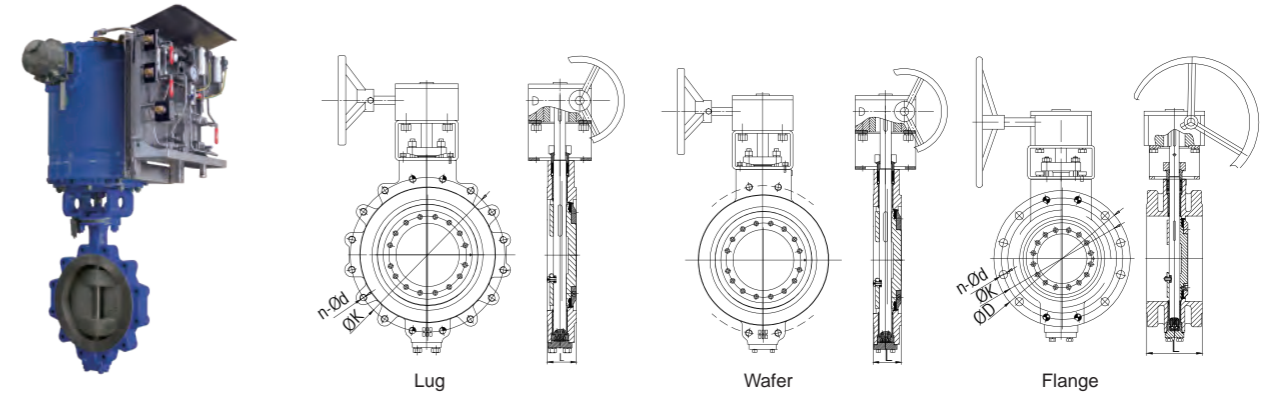
- 1 Double anti-blowout design provide a safe and secure operation
- 2 Reduce torque by self-lubricating bearing
- 3 With double-stem and no pin to resist to leak
- 4 Maintenance free valve design, low operation torque
- 5 Adaptation to the medium ensure by a wide range of lines, as well as numerous coating or material

Application	
Valve size	DN50-1800, 2"-72"
Pressure class	PN6/PN10/16, CL125/150
Design standard	API609, GB12238, EN593
Flange standard	ASME B16.5, ASME 16.47, EN1092-2, GB/T9113, GB/T2506, GB/T2501
Face to face standard	API609, ISO5752, EN558
Tests standard	API598, GB/T13927, EN12266
Applicable medium	Water, Refinery, Power plant, Ship building, Petrochemical, Paper industry
Operation	Lever/Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze
Seat material	NBR, EPDM, VITON

DN	Outline mm				
	EN558-2022			ISO 5752-2021	API 609-2021
	Flange Type CL125/150	Wafer Type CL125/150		Flange Type	LUG/Wafer Type
	Series 13	Series 20	Series 25	Series 13	
50	108	43	-	108	43
65	112	46	-	112	46
80	114	46	-	114	46
100	127	52	-	127	52
125	140	56	-	140	56
150	140	56	-	140	56
200	152	60	-	152	60
250	165	68	-	165	68
300	178	78	-	178	78
350	190	78	-	190	78
400	216	102	-	216	102
450	222	114	-	222	114
500	229	127	-	229	127
600	267	154	-	267	154
700	292	165	-	292	-
800	318	190	-	318	-
900	330	-	200	330	200
1000	410	216	-	410	-
1200	470	-	276	470	276
1400	530	279	-	530	-

## Triple offset Butterfly Valve



### Feature:

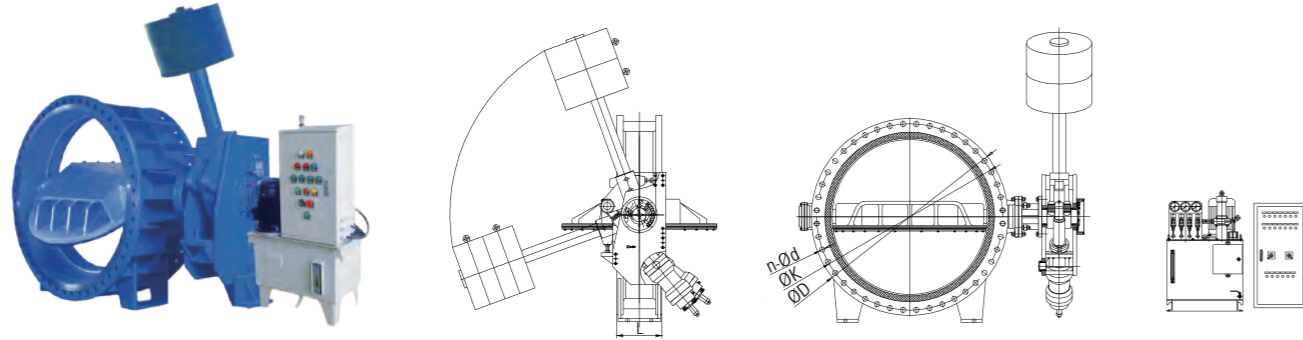
- 1 Combine triple offset with laminated seal ring to assure sealing and reduce operating torque
- 2 Laminated seal rings are designed to meet zero leakage
- 3 Quick open, high pressure resistance, corrosion resistance, long life service
- 4 Double anti-blowout design to provide a safe and secure operation
- 5 Fire safe and fugitive emission design

Application	
Valve size	DN80-3000, 3"-120"
Pressure class	PN16-100, CL150-600
Design standard	API609, ASME 16.34
Flange standard	ASME B16.5, ASME 16.47
Face to face standard	API609, ISO5752
Tests standard	API598
Applicable medium	Water, Refinery, Power plant, Ship building, Petrochemical, Steel mill
Operation	Gear box/Electric/Pneumatic/Hydraulic

Material of main parts	
Part name	Material
Body	Carbon steel, Stainless steel, Duplex steel, Alloy, Titanium
Disc	Carbon steel, Stainless steel, Duplex steel, Alloy, Titanium
Stem	Stainless steel, Duplex steel, Alloy, Titanium
Seat	STL.21
Sealing material	Stainless steel, Duplex steel, Alloy/GRAPHITE

DN	Outline mm										
	API 609-2021						ISO 5752-2021	API 609-2021	ISO 5752-2021	API 609-2021	API 609-2021
	Flange Type						LUG/Wafer Type				
	Short	Long	Short	Long	Short	Long	Series 20	Series 16	Series 16	Series 16	Series 16
	CL150		CL300		CL600		CL150	CL300	CL300	CL600	
80	114	203	114	282	180	356	-	48	-	48	54
100	127	229	127	305	190	432	-	54	-	54	64
150	140	267	140	403	210	559	-	57	-	59	78
200	152	292	152	418	230	660	-	64	-	73	102
250	165	330	165	457	250	787	-	71	-	83	117
300	178	356	178	502	270	838	-	81	-	92	140
350	190	381	190	562	290	889	-	92	-	117	155
400	216	406	216	638	310	991	-	102	-	133	178
450	222	432	222	714	330	1092	-	114	-	149	200
500	229	457	229	791	350	1194	-	127	-	159	216
600	267	508	267	1143	390	1397	-	154	-	181	232
700	292	-	-	-	-	-	165	-	-	-	-
750	318	-	318	-	-	-	190	-	229	-	-
800	318	-	318	-	-	-	190	-	241	-	-
900	330	-	330	-	-	-	203	-	241	-	-
1000	410	-	410	-	-	-	216	-	300	-	-
1200	470	-	-	-	-	-	254	-	-	-	-

## Hydraulically Controlled Slow Closing Check Butterfly Valve



### Feature:

- 1 Complete control functions, high degree of intelligence, local or remote control
- 2 Strong adjustability and excellent control

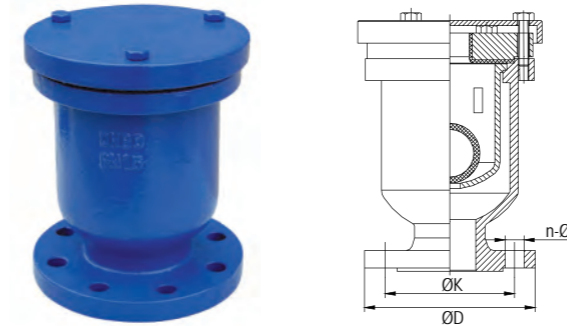
- 3 High-quality sealing performance and low flow resistance coefficient
- 4 Effectively eliminating water hammer

Application	
Valve size	DN300-3000,12"-120"
Pressure class	PN10/16/25/40,CL125/150
Design standard	GB/T14478,GB/T12238,GB/T8527,EN593,API609
Flange standard	EN1092-2,ASME B16.5,ASME 16.47,GB/T17241.6,GB/T9113
Face to face standard	GB/T12221,EN558,API609,AWWA C504,AWWA C516
Tests standard	GB/T 13927, JB/T 9092, EN12266, API609, API6D
Applicable medium	Water, Sea water, Silt water, Oil
Operation	Heavy hammer/Accumulator

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze
Seat	Stainless steel, Duplex steel, Bronze
Sealing material	NBR, EPDM, VITON, Stainless steel, Multi-layer sealing ring

DN	Outline mm													
	GB/T-12221-2005						EN558-2022						API 609-2021	
	Flange Type		Wafer Type				Flange Type		Wafer Type				Flange Type	Wafer Type
40	106	140	33	-	33	-	106	140	33	-	-	-	-	-
50	108	150	43	-	43	-	108	150	43	-	43	-	-	-
65	112	170	46	-	46	-	112	170	46	-	46	-	-	48
80	114	180	46	49	64	49	114	180	46	49	64	114	203	48
100	127	190	52	56	64	56	127	190	52	56	64	127	229	54
125	140	200	56	64	70	64	140	200	56	64	70	-	-	-
150	140	210	56	70	76	70	140	210	56	70	76	140	267	57
200	152	230	60	71	89	71	152	230	60	71	89	152	292	64
250	165	250	68	76	114	76	165	250	68	76	114	165	330	71
300	178	270	78	83	114	83	178	270	78	83	114	178	356	81
350	190	290	78	92	127	127	190	290	78	92	127	190	381	92
400	216	310	102	102	140	140	216	310	102	102	140	216	406	102
450	222	330	114	114	152	160	222	330	114	114	152	222	432	114
500	229	350	127	127	152	170	229	350	127	127	152	229	457	127
600	267	390	154	154	178	200	267	390	154	154	178	267	508	154
700	292	430	165	-	229	-	292	430	165	-	229	292	610	-
800	318	470	190	-	241	-	318	470	190	-	241	318	660	-
900	330	510	203	200	241	-	330	510	203	-	241	330	711	-
1000	410	550	216	-	300	-	410	550	216	-	300	410	-	-
1200	470	630	254	276	360	-	470	630	254	-	350	470	-	-
1400	530	710	279	-	390	-	530	710	279	-	390	-	-	-
1600	600	790	318	-	440	-	600	790	318	-	440	-	-	-
1800	670	870	356	-	490	-	670	870	356	-	490	-	-	-
2000	760	950	406	-	540	-	760	950	406	-	540	-	-	-

## Single Ball Air Release Valve



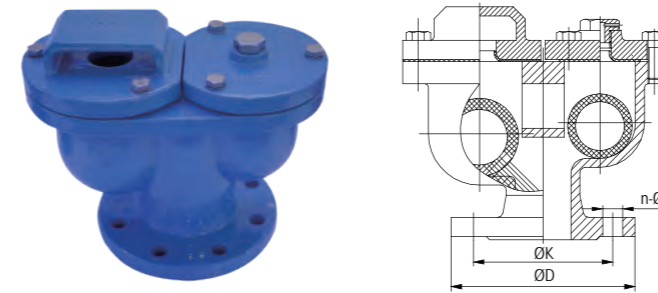
### Feature:

- 1 Release the air automatically
- 2 Simple structure, reliable performance
- 3 Safe and reliable

Application	
Valve size	DN50-200,2"-8"
Pressure class	PN10/16
Design standard	AWWA C512,EN1074-4
Flange standard	EN1092-2, ASME B16.5
Tests standard	API598,ISO5208,EN12266
Applicable medium	Water

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel
Cover	Ductile iron, Carbon steel, Stainless steel, Duplex steel
Ball	Stainless steel, Duplex steel
Sealing material	NBR, EPDM, VITON

## Double Ball Air Release Valve



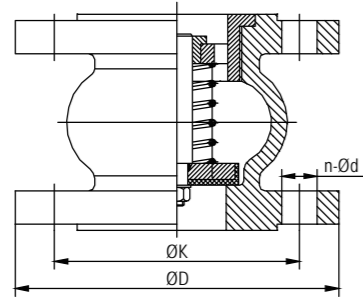
### Feature:

- 1 Release the air automatically; reduce resistance, saving energy
- 2 Simple structure, reliable performance
- 3 Bring negative pressure to prevent valve leak
- 4 Safe and reliable

Application	
Valve size	DN50-200, 2"-8"
Pressure class	PN10/16, CL125/150
Design standard	AWWA C512,EN1074-4
Flange standard	EN1092-2, ASME B16.1/16.42
Face to face standard	Manufacturer standard
Tests standard	API598,ISO5208,EN12266
Applicable medium	Water

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Stem	Stainless steel, Duplex steel, Bronze
Ball	Carbon steel, Stainless steel, Duplex steel, Bronze
Sealing material	NBR, EPDM, VITON

## Foot Valve



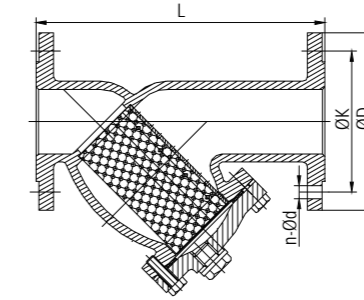
### Feature:

- 1 Prevent counter flow
- 2 Easy installation and maintenance
- 3 Simple and compact construction, good sealing performance
- 4 Save energy, reduce the impact of water hammer

Application	
Valve size	DN50-300, 2"-12"
Pressure class	PN10/16, CL125/150
Design standard	BS5153
Flange standard	EN1092-2, ASME B16.1/16.42
Face to face standard	Manufacturer standard
Tests standard	ISO5208, EN12266
Applicable medium	Water

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Bonnet	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Disc	Stainless steel, Duplex steel, Bronze
Sealing material	NBR, EPDM, VITON

## Flanged Y Strainer



### Feature:

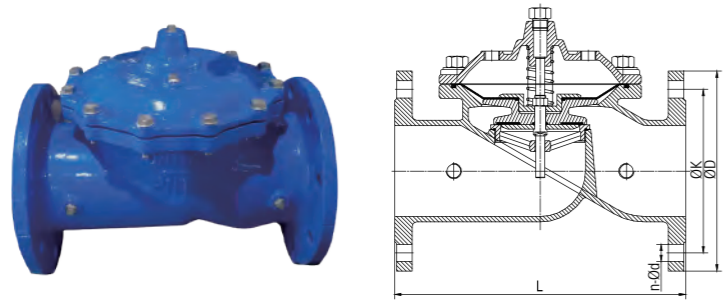
- 1 Simple construction, low pressure drop
- 2 Easy installation, cleaning and maintenance
- 3 Long service life
- 4 High filtration efficiency

Application	
Valve size	DN40-500, 1-1/2"-20"
Pressure class	PN10/16, CL125/150
Design standard	ASME B16.34, HG/T 21637
Flange standard	EN1092-2, ASME B16.1/16.42
Face to face standard	DIN3202-1-F1
Tests standard	EN12266
Applicable medium	Water, Oil

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze
Cover	Ductile iron, Carbon steel, Stainless steel, Duplex steel, Bronze

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500
Outline mm DIN 3202-1-F1-1984	180	200	240	260	300	350	400	500	600	700	800	900	1000	1100

## Hydraulic Control Valve



### Feature:

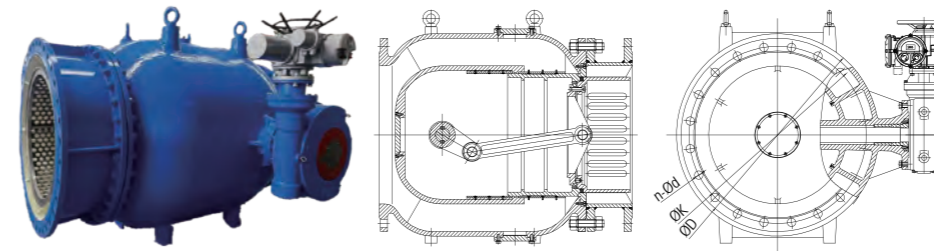
- ① Simple and compact construction
- ② Small flow resistance
- ③ Easy to operate, install and maintain
- ④ Achieve pressure releasing, flow control, slow closing, emergency shut down and remote-control ball through other accessories

Application	
Valve size	DN50~DN400
Pressure class	PN16
Design standard	JB/T 10674
Flange standard	GB/T 17241.6
Face to face standard	JB/T 10674
Tests standard	GB/T 13927
Applicable medium	Water

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel
Stem	Stainless steel
Disc	Stainless steel

DN	Outline mm	
	JB/T-10674-2022	
	Optional	Recommend
50	205	234
65	216	240
80	260	280
100	320	360
125	362	430
150	415	455
200	500	585
250	605	790
300	725	900
350	787	900
400	797	962

## Piston Type Flow Regulator



### Feature:

- ① Long life cycle
- ② Low vibration and noise
- ③ Stable and precise regulation capability
- ④ High pressure reduction ratio
- ⑤ High cavitation resistance

Application	
Valve size	DN300-2000,12"-80"
Pressure class	PN10/16/25, CL150
Design standard	JB/T10675
Flange standard	EN1092,GB/T17241.6,GB/T9113
Face to face standard	Manufacturer standard
Tests standard	GB/T13927
Applicable medium	Water, Sewage, Raw Water
Operation	Gear box/Electric, etc

Material of main parts	
Part name	Material
Body	Ductile iron, Carbon steel, Stainless steel, Duplex steel
Stem	Stainless steel, Duplex steel
Piston	Stainless steel, Duplex steel
Squirrel cage	Stainless steel, Duplex steel
Crank	Stainless steel, Duplex steel

DN	EN1092-2-2023 PN6/10/16		
	D	K	n-d
40	130/150/150	100/110/110	4-Ø14/4-Ø19/4-Ø19
50	140/165/165	110/125/125	4-Ø14/4-Ø19/4-Ø19
65	160/185/185	130/145/145	4-Ø14/4-Ø19/4-Ø19
80	190/200/200	150/160/160	4-Ø19/8-Ø19/8-Ø19
100	210/220/220	170/180/180	4-Ø19/8-Ø19/8-Ø19
125	240/250/250	200/210/210	8-Ø19/8-Ø19/8-Ø19
150	265/285/285	225/240/240	8-Ø19/8-Ø23/8-Ø23
200	320/340/340	280/295/295	8-Ø19/8-Ø23/12-Ø23
250	375/395/405 <sup>1</sup>	335/350/355	12-Ø19/12-Ø23/12-Ø28
300	440/445/460 <sup>1</sup>	395/400/410	12-Ø23/12-Ø23/12-Ø28
350	490/505/520	445/460/470	12-Ø23/16-Ø23/16-Ø28
400	540/565/580	495/515/525	16-Ø23/16-Ø28/16-Ø31
450	595/615/640	550/565/585	16-Ø23/20-Ø28/20-Ø31
500	645/670/715	600/620/650	20-Ø23/20-Ø28/20-Ø34
600	755/780/840	705/725/770	20-Ø28/20-Ø31/20-Ø37
700	860/895/910	810/840/840	24-Ø28/24-Ø31/24-Ø37
800	975/1015/1025	920/950/950	24-Ø31/24-Ø34/24-Ø41
900	1075/1115/1125	1020/1050/1050	24-Ø31/28-Ø34/28-Ø41
1000	1175/1230/1255	1120/1160/1170	28-Ø31/28-Ø37/28-Ø44
1200	1405/1455/1485	1340/1380/1390	32-Ø34/32-Ø41/32-Ø50
1400	1630/1675/1685	1560/1590/1590	36-Ø37/36-Ø44/36-Ø50

1, For ductile iron pipes and fittings, the outside diameters for the following flanges shall be: DN 250: D = 400 mm; DN 300: D = 455 mm.

DN	ASME16.1-2020 CL125		
	D	K	n-d
40	125	98	4-Ø16
50	150	121	4-Ø19
65	180	140	4-Ø19
80	190	152	4-Ø19
100	230	191	8-Ø19
125	255	216	8-Ø22
150	280	241	8-Ø22
200	345	299	8-Ø22
250	405	362	12-Ø25
300	485	432	12-Ø25
350	535	476	12-Ø29
400	595	540	16-Ø29
450	635	578	16-Ø32
500	700	635	20-Ø32
600	815	749	20-Ø35
700	-	-	-
800	-	-	-
900	1170	1086	32-Ø41
1000	-	-	-
1200	1510	1422	44-Ø41
1400	-	-	-

DN	ASMEB16.42-2021 CL150		
	D	K	n-d
40	125	98.4	4-Ø16
50	150	120.7	4-Ø19
65	180	139.7	4-Ø19
80	190	152.4	4-Ø19
100	230	190.5	8-Ø19
125	255	215.9	8-Ø22
150	280	241.3	8-Ø22
200	345	298.5	8-Ø22
250	405	362	12-Ø25
300	485	431.8	12-Ø25
350	535	476.3	12-Ø29
400	595	539.8	16-Ø29
450	635	577.9	16-Ø32
500	700	635	20-Ø32
600	815	749.3	20-Ø35
700	-	-	-
800	-	-	-
900	-	-	-
1000	-	-	-
1200	-	-	-
1400	-	-	-

DN	ASME16.5/16.47-2020		
	D	K	n-d
40	127/155/155	98.6/114.3/114.3	4-Ø16/4-Ø22/4-Ø22
50	152/165/165	120.6/127/127	4-Ø19/8-Ø19/8-Ø19
65	178/190/190	139.7/149.4/149.4	4-Ø19/8-Ø22/8-Ø22
80	190/210/210	152.4/168.1/168.1	4-Ø19/8-Ø22/8-Ø22
100	229/254/273	190.5/200.2/215.9	8-Ø19/8-Ø22/8-Ø25
125	254/279/330	215.9/235/266.7	8-Ø22/8-Ø22/8-Ø29
150	279/318/356	241.3/269.7/292.1	8-Ø22/12-Ø22/12-Ø29
200	343/381/419	298.4/330.2/349.2	8-Ø22/12-Ø25/12-Ø32
250	406/444/508	362/387.4/431.8	12-Ø25/16-Ø29/16-Ø35
300	483/521/559	431.8/450.8/489.0	12-Ø25/16-Ø32/20-Ø35
350	533/584/603	476.2/514.4/527.0	12-Ø29/20-Ø32/20-Ø38
400	597/648/686	539.8/571.5//603.2	16-Ø29/20-Ø35/20-Ø41
450	635/711/743	577.8/628.6/654	16-Ø32/24-Ø35/20-Ø44
500	698/775/813	635/685.8/723.9	20-Ø32/24-Ø35/24-Ø44
600	813/914/940	749.3/812.8/838.2	20-Ø35/24-Ø41/24-Ø51
700	927/1035/1073	863.6/939.8/965.2	28-Ø35/28-Ø44/28-Ø54
800	1060/1149/1194	977.9/1054.1/1079.5	28-Ø41/28-Ø51/28-Ø60
900	1168/1270/1314	1085.8/1168.4/1193.8	32-Ø41/32-Ø54/28-Ø67
1000	1289/1238/1321	1200.2/1155.7/1212.8	36-Ø41/32-Ø44/32-Ø60
1200	1511/1467/1594	1422.4/1371.6/1460.5	44-Ø41/32-Ø51/32-Ø73
1400	1746/1708/1854	1651/1600.2/1695.4	48-Ø48/28-Ø60/32-Ø86

DN	GB/T17241.6-2008/GB/T9113-2010 PN6/10/16		
	D	K	n-d
40	140/150/150	100/110/110	4-Ø14/4-Ø19/4-Ø19
50	140/165/165	110/125/125	4-Ø14/4-Ø19/4-Ø19
65	160/185/185	130/145/145	4-Ø14/4-Ø19/4-Ø19
80	190/200/200	150/160/160	4-Ø19/8-Ø19/8-Ø19
100	210/220/220	170/180/180	4-Ø19/8-Ø19/8-Ø19
125	240/250/250	200/210/210	8-Ø19/8-Ø19/8-Ø19
150	265/285/285	225/240/240	8-Ø19/8-Ø23/8-Ø23
200	320/340/340	280/295/295	8-Ø19/8-Ø23/12-Ø23
250	375/395/405	335/350/355	12-Ø19/12-Ø23/12-Ø28
300	440/445/460	395/400/410	12-Ø23/12-Ø23/12-Ø28
350	490/505/520	445/460/470	12-Ø23/16-Ø23/16-Ø28
400	540/565/580	495/515/525	16-Ø23/16-Ø28/16-Ø31
450	595/615/640	550/565/585	16-Ø23/20-Ø28/20-Ø31
500	645/670/715	600/620/650	20-Ø23/20-Ø28/20-Ø34
600	755/780/840	705/725/770	20-Ø26/20-Ø31/20-Ø37
700	860/895/910	810/840/840	24-Ø26/24-Ø31/24-Ø37
800	975/1015/1025	920/950/950	24-Ø31/24-Ø34/24-Ø40
900	1075/1115/1125	1020/1050/1050	24-Ø31/28-Ø34/28-Ø40
1000	1175/1230/1255	1120/1160/1170	28-Ø31/28-Ø37/28-Ø43
1200	1405/1455/1485	1340/1380/1390	32-Ø34/32-Ø40/32-Ø49
1400	1630/1675/1685	1560/1590/1590	36-Ø37/36-Ø43/36-Ø49

# Neway Factory



## NEWAY Head Office

Total area: 2,295sqm  
Office area: 6,885sqm

Founded in 2014



## NEWAY Manufacturing Base

Main products: Ball Valve, Butterfly Valve, Gate Valve,  
Globe Valve, Check Valve, Control Valve

Building area: 230,000 sqm  
Work shop: 140,061 sqm

Founded in 2006

Expanded in 2013



## NEWAY Foundry (Suzhou)

Main products: Sand Casting  
Building area: 112,500 sqm  
Work shop: 98,000 sqm

Founded in 2008

Expanded in 2015



## NEWAY Foundry (Dafeng)

Main products: Lost wax investment casting  
Building area: 40,000 sqm  
Work shop: 20,000 sqm

Founded in 2008



## Neway Precision Forging(Liyang),LTD

Main products: Hammer forging, annular forging  
Office area: 3,000 sqm  
Work shop: 30,000 sqm

Founded in 2017



## Neway Butterfly Valve Plant

Main products: Butterfly Valve  
Building area: 30,000 sqm  
Work shop: 19,000 sqm (first floor)  
7,000 sqm (second floor)

Founded in 2020

# Product Warranty

Seller will replace without charge or refund the purchase price of products provided by Seller which prove to be defective in material or workmanship, provided in each case that the product is properly installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the Seller within 18 months from the date of shipment or 12 months after installation, whichever occurs first. Seller shall in no event bear any labor, equipment, engineering or other costs incurred in connection with repair or replacement. The warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer's exclusive remedy and seller's exclusive liability.