Product Summary

Complete Solutions for Water Valve Industry

NEWAY VALVE (SUZHOU) CO., LTD.

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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 sucessfully 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 heath 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.

Gate Valve

- Rising stem
-
-
-

Gate Valve

Globe Valve

Globe Valve

Feature:

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

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

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Check Valve

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
Body
Bonnet
Disc

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

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Check Valve

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 harmer

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
Body
Disc
Shaft
Seat
Sealing material

DN	Outline mm						
	BS5155-1984						DIN 3202-1-F4-1984
	Flange Type		Wafer Type				
	PN25	PN40	PN25			PN40	
	Short	Long	Short	Medium	Long		
	L						
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

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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

Optimized disc shape to reduce head losses

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
Body
Disc
Stem
Seat
Sealing material

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Hard Sealing Double Offset Butterfly Valve

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
Body
Disc
Stem
Seat
Sealing material

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Release the air automatically

Simple structure, reliable performance

Safe and reliable

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

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

oot Valve

2. Easy installation, cleaning and maintenance
3. Long service life

a maintain
asing, flow control, slow closing,
own and remote-control ball through
ories

A	
V	
P	
D	
P	
P	
T	927
A	Water

Material of main parts	
Part name	
Body	
Stem	
Disc	

DN	Outline mm																	
	GB/T-10674-2022																	
	L																	
	Optional																	
50	205																	
65	216																	
80	260																	
100	320																	
125	362																	
150	415																	
200																		
250																		
300																		
350																		

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End Flange

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[1]/405[1]	335/350/355	12-Ø19/12-Ø23/12-Ø28
300	440/445[1]/460[1]	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	-	-	-

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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

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Neway Factory

NEWAY Head Office — Founded in 2014
Total area: 2,295sqm
Office area: 6,885sqm

NEWAY Manufacturing Base — Founded in 2006, Expanded in 2013
Main products: Ball Valve, Butterfly Valve, Gate Valve, Globe Valve, Check Valve, Control Valve
Building area: 230,000 sqm
Work shop: 140,061 sqm

NEWAY Foundry (Suzhou) — Founded in 2008, Expanded in 2015
Main products: Sand Casting
Building area: 112,500 sqm
Work shop: 98,000 sqm

NEWAY Foundry (Dafeng) — Founded in 2008
Main products: Lost wax investment casting
Building area: 40,000 sqm
Work shop: 20,000 sqm

Neway Precision Forging(Liyang).,LTD — Founded in 2017
Main products: Hammer forging, annular forging
Office area: 3,000 sqm
Work shop: 30,000 sqm

Neway Butterfly Valve Plant — Founded in 2020
Main products: Butterfly Valve
Building area: 30,000 sqm
Work shop: 19,000 sqm (first floor)
7,000 sqm (second floor)

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 of 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.