NEWAY America
Tel: +1-281-969-5500
E-mail: Sales: Neway.NA@newayvalve.com
Aftersales: Aftersales.NVI@newayvalve.com

NEWAY VALVE (SUZHOU) CO., LTD.
No.666 Taishan Road, Suzhou New District, P.R. China
Post Code:215129
Tel:86-512-666-15637
E-mail: overseas.sales@neway.com.cn
http ∀//www.newayvalve.com

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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 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

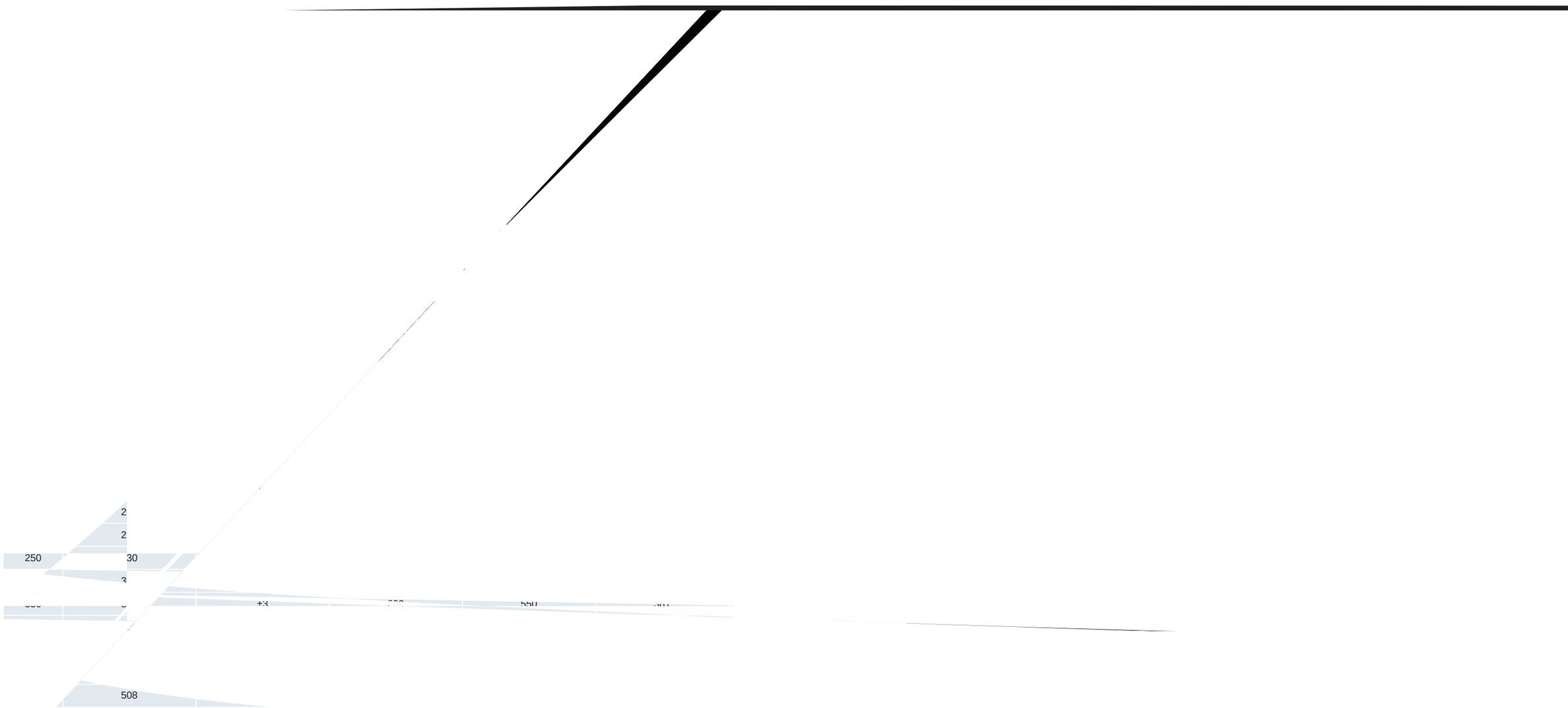
Neway recognizes the importance of valve quality for the safety and protection of personnel heath and property. It is our quality commitment to focus our resources to provide our customers with first class products at a competitive price,that are designed, manufactured, inspected and tested in accordance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

Material Foundries

Technical Innovation

Advanced Manufacturing





NEWAY reserves the right to change design, materials or specifications without notice and free of obligation to furnish or install

# 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<br>BS5152-1974<br>L<br>Short<br>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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## Disc Check Valve

e:

- pact design, small volume
- flow resistance, low noise

| ation | |
|---|---|
| ize | DN100-3000,4"-120" |
| e class | PN25/40,CL150 |
| standard | BS5153 |
| standard | EN1092-2 |
| face standard | BS5155,DIN3202-1-F4 |
| andard | API598,ISO5208,EN12266 |
| le medium | Water,Oil |

3. Convenient for maintenance
4. Quick close at the beginning and slow close
5. Prevent water harmer

| Material of main parts | |
|---|---|
| Part name | |
| Body | |
| Disc | |
| Shaft | |
| Seat | |
| Seali | |

| Outlin | | | | | | | |
|---|---|---|---|---|---|---|---|
| BS5155-1984 | | | | | | | DIN 3202-1-F4-1984 |
| Flange Type | | | | ype | | | |
| PN25 | PN40 | | | | | PN40 | |
| Short | Long | Short | | | Long | | |
| L | | | | | | | |
| 127 | 190 | 52 | - | | 64 | 56 | 190 |
| 140 | 200 | | - | | 70 | 64 | 200 |
| 140 | 210 | | - | | 76 | 70 | 210 |
| 152 | 230 | | - | | 89 | 71 | 230 |
| 165 | 250 | | - | | 114 | 76 | 250 |
| 178 | 270 | 78 | - | | 114 | 83 | 270 |
| 190 | | - | 92 | | 127 | 127 | 290 |
| 216 | | - | 102 | | 140 | 140 | 310 |
| 222 | | - | 114 | | 152 | 160 | 330 |
| 229 | | - | 127 | | 152 | 170 | 350 |
| 267 | 390 | - | 154 | | 178 | 200 | 390 |
| | 430 | - | - | | 229 | - | 430 |
| | 470 | - | - | | 241 | - | 470 |
| | 510 | - | - | | 241 | - | 510 |
| | 550 | - | - | | 300 | - | 550 |
| 470 | 630 | - | - | | 350 | - | 630 |
| 530 | 710 | - | - | | 390 | - | 710 |
| 600 | 790 | - | - | | 440 | - | 790 |
| 670 | 870 | - | - | | 490 | - | 870 |
| 760 | 950 | - | - | | 540 | - | 950 |

## 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:

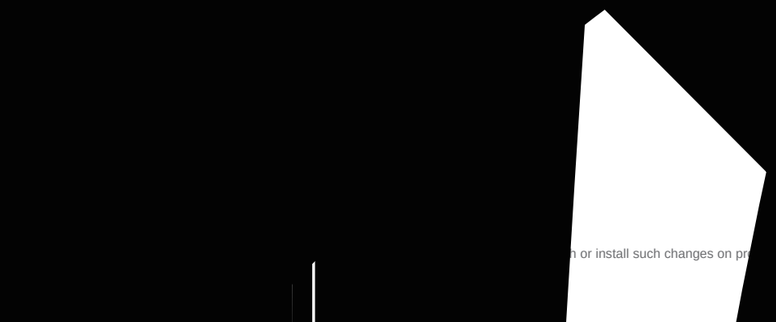
1. Release the air automatically; reduce resistance, saving energy
2. Simple structure, reliable performance
3. Bring negative pressure to prevent valve leak
4. Safe and reliable

| | | | |
|---|---|---|---|
| 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 | |

Flanged Y Strainer

Fla

Feature:



n or install such changes on pr

# 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.