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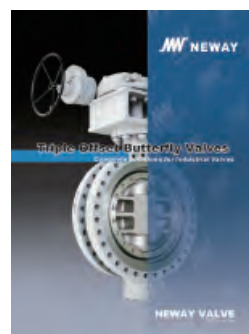
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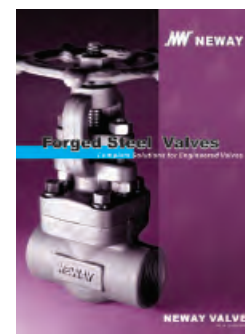
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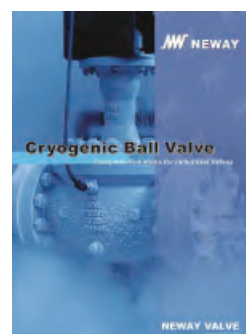
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Cat.no.:E-CPV



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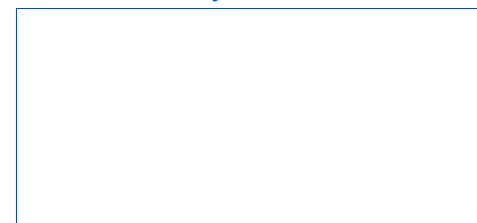


Cat.no.:E-PV

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MW NEWAY

Product Summary

Complete Solutions for Industrial Valves

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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, and Renewable & Green Energy applications.

Facilities & Service

Neway has developed a sophisticated multi-plant management system operating one valve assembly plant, one API6A valve plant, three foundries, and one 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 continuous improvement. We maintain a quality management system that encompasses our entire operation from order entry to final inspection. Through continuous efforts, Neway's products have successfully obtained industry certifications, including ASME UV & NB, NBBI, KGS, CE, CCS, and BV 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 processcontrolled 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 creditable 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.

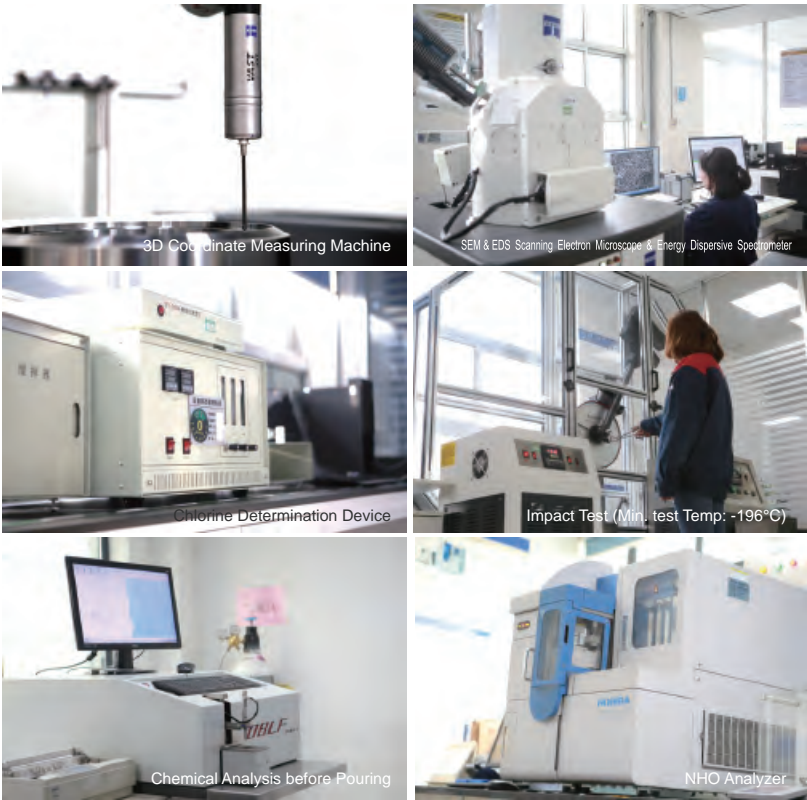
NEWAY design philosophy is to develop a safe and cost-efficient valve. We introduced the latest Ansys, Fe-safe, CF-design and NX software for all our new product design research which include the advanced finite element analysis, fluid and fatigue analysis to virtually verify the new design prior to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

Gate, Globe, Check Valve

Typical Reference List

1. *ADNOC* — *CRUDE FLEXIBILITY PROJECT*
2. *EXXONMOBIL* — *CHEMICALS AND REFINING LNTTEGRATED SINGAPORE PROJECT*
3. *EXXONMOBIL* — *BAYTOWN CHEMICAL EXPANSION PROJECT*
4. *HENGLI PETROCHEMICAL* — *1.5 MILLION TONS/YEAR ETHYLENE PROJECT*
5. *KNPC* — *AL-ZOUR REFINERY & LNG IMPORT PROJECT*
6. *KNPC* — *REPLACEMENT OF UNIFLUX HEATERS AT MAA REFINERY PROJECT*
7. *KOC* — *GC-29, GC-31, GC-32 PROJECT*
8. *MIDOR* — *MIDOR REFINERY EXPANSION*
9. *SAMSUNG E&A* — *CARBON BLACK AND DELAYED COKER PROJECT*
10. *OMAN LNG* — *OMAN LNG POWER PLANT PROJECT*
11. *PDO* — *MARMUL POLYMER PHASE 3 PROJECT*
12. *PETRONAS* — *PENGERANG DEEPWATER TERMINAL 2 PROJECT*
13. *QATAR GAS* — *NORTH FIELD EAST PROJECT ONSHORE LNG FACILITIES PROJECT*
14. *SABIC* — *SABIC TEESSIDE IMPROVEMENT PROJECT*
15. *SAUDI ARAMCO* — *JAZAN REFINERT AND TERMINAL PROJECT*
16. *SHELL* — *SHELL WHALE PROJECT*
17. *SONATRACH* — *TINRHERT FIELD DEVELOPMENT PROJECT*
18. *THAI OIL* — *THAI OIL CLEAN FUEL PROJECT*
19. *UPM BIOCHEMICALS GMBH* — *UPM-EOS PROJECT*
20. *VENTURE GLOBAL LNG* — *LNG BLOCK CALCASIEUS*
21. *CHIYODA&JV* — *NFE*
22. *MODEC* — *FPSO ANITA GARIBALDI MV33*
23. *WANHUA CHEMICAL* — *POSM PROJECT*
24. *WANHUA CHEMICAL* — *MDI PROJECT*

Conventional Gate & Globe & Check Valve



Neway can supply widely range for gate/ globe/ check designed by API/EN/GOST/GB standard. And we already supplied the maximum size 88 inch for gate valve and 36 inch for globe valve. For check valve we fully comply API 594 standard with more strictly structure to achieve reliable performance without external hinge design. We also passed API 591 validation testing and ISO 15848 FE certification, mostly passed DVT validation.

Design Features

- Stem and handwheel extension
- Gear box extension available
- Linear, Equal percent, Quickly open disc available
- Lower cracking pressure for check valve
- Anti-rotating disc for check valve
- Manual operation check valve optional Lower operation force
- Flexible/parallel wedge optional for gate valve

Product Range

Type: Gate, Globe, Check
Size: 2"~88" (DN50~DN2200)
Pressure Rating:
Class 150~4500 (PN10~PN760)
Body Materials: CS, SS, AS etc.
Trim Material: Per API 600
End Connection: RF, BW, RTJ
Operation: Hand Wheel, Gear Box,Elec-
tric and Pneumatic Actuator

Applications

Petroleum and Chemical industry, Oil & gas pipeline transportation

Pressure Seal Valve



Pressure seal bonnet valve (PSB) designed as per ASME B16.34, API & MSS SP-144 Standar, passed calculation and validation by ANSYS. The maximum design pressure is class 4500 for BDO (1,4-Butanediol) facility served for high temp gaseous hydrogen and acetylene mixed sulfuretted hydrogen.

Design Features

- Hard alloy for seating surface
- Body/bonnet graphite ring and metal ring sealing optional
- Optional by-pass valve design
- Guide design for full stroke
- Through conduit design, piggable
- Low operation torque
- DBB function (Double Block and Bleed)
- No Gland structure
- Drain hole (Lower position, drain more thoroughly)
- Multilayer sealing for body-bonnet
- Expanding wedge optional
- Fire safe design

Product Range

Size: 2"~40" (DN50~DN1000)
Pressure Rating:
Class 600~4500 (PN100~PN760)
Body Materials: CS, AS
End Connection: RF, BW, RTJ
Operation: Manual, Pneumatic, Electric, Hydraulic

Applications

Power plant, Oil refining, High pressure steam service

API 6D Through Conduit Gate Valve



Neway slab gate valves are in compliance with API6D, they are widely used for oil & gas transportation.The Slab Gate Valve is through conduit and piggable type. Slab Gate Valve has been designed to minimize pressure drop and prevent foreign materials such as slurries into the valve cavity.

Design Features

- Through conduit design, piggable
- Low operation torque
- DBB function (Double Block and Bleed)
- No Gland structure
- Drain hole (Lower position, drain more thoroughly)
- Multilayer sealing for body-bonnet
- Expanding wedge optional
- Fire safe design

Product Range

Size: 2~48" (DN50~DN1200)
Pressure Rating:
Class 150~2500 (PN16~PN420)
Body Material: CS, SS etc.
End Connection: RF, BW, RTJ
Operation: Manual, Pneumatic,Electric, Hydraulic

Applications

Pipeline transportation & Crude oil tank

API 6D Expanding Gate Valve



Neway expanding gate valves are widely applied where high performance is required like in high temperature and high pressure pipelines. Neway's expanding gate valves are in compliance with API6D and provide a superior bi-directional torque based mechanical seal. During operation the gate assembly travels freely between the seal surfaces which will reduce the wear risk and prolong the valve service life.

Design Features

- Suit for both high and low pressure, high temperature service
- Through conduit design, piggable
- Expanded design makes good seal on both open and closed position while protecting the seal faces during mid travel
- Fire safe design

Product Range

Size: NPS 2"~24" (DN50~DN600)

Pressure Rating:

Class 300~2500 (PN40~PN420)

Body Material: CS, SS, AS etc.

End Connection: RF, BW, RTJ

Operation: Manual, Pneumatic, Electric, Hydraulic

Applications

Power station

Parallel Slide Gate Valve



Neway parallel slide gate valves are designed with positional seal, using the line pressure as a sealing force. The compressed spring between the two closure members provides an initial seal during low pressure conditions. The increasing line pressure will push the closure members with higher forces against each other which creates the primary seal. The higher the medium pressure, the better the sealing performance. Therefore this valve type is widely used in high pressure and high temperature services.

Design Features

- Free of thermal binding
- Low operation torque
- Precise travel control
- Interchangeable gate, easy for maintenance

Product Range

Size: NPS 1/2"~36"(DN15~DN900)

Pressure Rating:

Class 300~4500(PN25~PN760)

Body Material: CS, AS etc.

End Connection: RF, BW, RTJ

Operation: Manual, Pneumatic, Electric, Hydraulic

Applications

Power industry, Oil refining, High pressure steam service

API 6D Full Opening Swing Check Valve



Neway full opening swing check valve is in compliance with API 6D, widely used in crude oil and natural gas pipeline. Full opening design makes the valve piggable and easy to be maintained. For large-sized valve, buffer damper can be accessible to delay disc closing time for seating surface protection. Neway provides metal-seated type and softseated type when a tighter seal is required.

Design Features

- Pigging available
- Soft-seated available

Product Range

Size: 2"~64" (DN50~DN1600)

Pressure Rating:

Class 150~4500 (PN16~PN760)

Body Material: CS, SS etc.

End Connection: RF, BW, RTJ

Applications

Petroleum and Chemical industry, Oil & gas pipeline transportation

API 6D Axial Flow Check Valve



Axial flow check valve is a high performance valve, which is in compliance with API6D and ASME B16.34. It is widely applied in high flow performance requested pipelines, not only to prevent medium flowback, but also to improve the pipeline flow performance. Meanwhile, this valve type has some more advantages like limiting water hammer damage, low noise, quick response, etc. NEWAY can supply professional technical solutions for this valve type in industry service.

Design Features

- Retainless design
- Venturi flow path design with CFD simulation analysis
- Low flow resistance
- Low cracking pressure
- Limited water hammer, low noise
- No installation direction restriction

Product Range

Size: 2"~60" (DN50~DN1500)

Pressure Rating:

Class 150~4500 (PN16~PN760)

Body Material: CCS, SS, AS

End Connection: RF, BW, RTJ

Applications

Oil & gas pipeline transportation

API 594 Dual-plate Check Valve



Retainerless dual plate check valves are widely used in flow control industry due to the better flow performance, the smaller installation space, the lighter weight and the easier installation and maintenance. NEWAY dual plate check valve is in compliance with API 594, and supply full production range design for client.

Design Features

- Retainerless design
- Spring return
- Compact structure, small weight, low cost
- Soft seat design optional

Product Range

Size: 2"~76" (DN50~DN1900)

Pressure Rating:

Class 150~4500 (PN16~PN760)

Body Material: CS, SS etc.

End connection: RF, LUG, RTJ, W, WJ

Applications

Petroleum and Chemical industry

Tilting Disc Check Valve



Tilting disc check valve features quickclosing, low cracking pressure, no water hammer and can be installed in vertical pipe. A wide spectrum of application covers pipelines containing high temperature steam, oil refining, petrochemical, oil field production, hydrogenation, etc.

Design Features

- Non slam structure, longer service life
- Quick action response
- Conical shape surface for automatic centring
- Suitable for horizontal and vertical pipeline

Product Range

Size: 2"~48" (DN50~DN1200)

Pressure Rating:

Class 150~4500 (PN16~PN760)

Body Material: CS, SS etc.

End Connection: RF, BW, RTJ

Applications

Oil refining, Petroleum and Chemical industry, Steam service

Strainer



Y-type strainer is one of Neway standard products. We are able to provide complete set of size, pressure, material and inventory of parts for customers. They are all designed according to ASME B16.34.

Design Features

- Integral casted body with bolted bonnet
- Y Type Strainer
- Filtrated net guided
- Drain plug or drain valve optional

Product Range

Size: 1/2"~24"

Pressure Rating:
Class 150~1500

End Connection: RF,BW,RTJ,SW

Operating Temperature: -29~425°C

Body Materials: CS, SS, AS etc.

Applications

Petroleum and Chemical industry, Oil & gas pipeline transportation

API 603 Stainless Steel Gate Valve



NEWAY API603/ASME B16.34 series stainless steel valves include gate, globe and check valve, which inherit the characteristics of the conventional gate, globe, check valves. However, valve wall thickness is in accordance with ASME B16.34 and thinner than API 600, therefore, valve weight is much lower and brings a more competitive price.

Design Features

- Investment casting
- PTFE Gasket and Packing
- Integral seat
- Lighter-weight, corrosion-resistant

Product Range

Size: 1/2"~24" (DN15~DN600)

Pressure Rating:

Class 150~600 (PN16~PN100)

Body Material: SS

End Connection: RF, BW

Applications

Fine chemicals, Food and Beverage

API 602 Forged Steel Valve



Neway forged valves, including gate, globe and check valves, comply with API 602, such as those with standard bolted bonnet, special welded bonnet valves. Besides, weld-overlay hard alloy on the seating surface is the standard design.

Design Features

- Solid wedge design
- Full bore and standard bore
- Cone or needle disc globe valves
- Lifting or swing check valves

Product Range

Type: Gate, Globe and Check Valves

Size: 1/2"~2" (DN15~DN50)

Pressure Rating: Class 150~2500

Body Material: CS, SS etc.

End Connection: RF, SW, NPT, BW

Applications

Petroleum and Chemical industry

Bellow Sealed Gate & Globe Valve



Bellows valves are specialized sealing devices that utilize a flexible bellows structure to ensure leakage-free operation under high-pressure and high-temperature conditions. Designed for critical applications, these valves typically meet rigorous industry standards such as ANSI/ASME B16.34, ensuring quality and safety. The bellows isolate the valve stem from the media, making them ideal for handling corrosive, toxic, or high-purity fluids. Common applications include chemical processing, pharmaceuticals, and nuclear power, where reliable sealing is essential. Their durable design reduces maintenance needs and enhances system longevity, making bellows valves a preferred choice in demanding environments.

Design Features

- Multi-layers bellow
- MSS SP-117 minimum cycles design
- Bellows Protection Type
- Guided disc
- Separate Stem with online maintenance
- Bellow assembly welding Laser remelting

Product Range

Size: 1/2"~30" (DN15~DN750)

Pressure Rating:

Class 150~1500 (PN16~PN260)

Body Material: CS, SS, AS etc.

End Connection: RF, BW, RTJ

Operation: Manual, Pneumatic, Electric, Hydraulic

Applications

Petroleum and Chemical industry

Forged Steel Valve for High-temperature Service (up to 816°C)



For the valves serving high temperature application, material mechanical properties are substantially weakened, thus serious safety challenge ensues. Meanwhile, it is inconvenient to operate valves in high temperature. By far, the troubles are settled by Neway through finite element analysis and validation of actual use.

Design Features

- Finite element analysis for ensuring safety
- Heat dissipation and handwheel heightening to make sure temperature at handwheel is suitable for manual operation
- With long service life, Satellite hard alloy used in sealing face is resistant to wear, abrasion, high temperature and corrosion

Product Range

Type: Gate and Globe Valves

Size: 1/2"~2" (DN15~DN50)

Pressure Rating:

Class 150~1500 (PN16~PN260)

Body Material: High Temperature Alloy F11/F22, Austenitic Dteel F304H/F316H, etc.

End Connection: RF, SW, BW, RTJ

Forged Steel Bonnetless Valve



Neway forged steel thermal power valve is designed and manufactured in conformity with JB/3595, DL/T531, E101(Chugoku Electric Power) and ASME B16.34 (American standard), which is applicable for high temperature and high pressure conditions, with extensive application in pipes for petroleum, chemical, thermal power plants to isolate and connect the medium.

Design Features

- T/Y pattern design are optional and without bonnet.
- It is on-line maintenance, in-line maintenance available and repair costcompetitive.
- Lifting stem, mounted with position indicator which is convenient for valve on-off observation.

Product Range

Size: 1/2"~2-1/2" (DN15~DN65)

Pressure Rating:

Class 1500~4500 (PN250~PN760)

Body Material: A105 / F11/ F22/ F36/F91/ F92 / F304 / F304L/ F304H /F316/F316L/ F316H / F321/ F347

End Connection: BW, SW, Thread

Operation: Manual, Gearbox, Pneumatic, Hydraulic and Electric Actuator

Structure: Bonnetless & Precision Forging

Ball Valve

Typical Reference List

1. **ADNOC** —
CRUDE FLEXIBILITY PROJECT
2. **ADNOC** —
MANDOUS PROJECT
3. **EXXONMOBIL** —
LIZA PROSPERITY FPSO
4. **EXXONMOBIL** —
LIZA UNITY FPSO EPCI
5. **KNPC** —
AL-ZOUR REFINERY & LNG IMPORT PROJECT
6. **KOC** —
GC-29, GC-31, GC-32 PROJECT
7. **NLNG** —
BONNY ISLAND TRAIN 7 PROJECT
8. **OMAN LNG** —
OMAN LNG POWER PLANT
9. **PETROBRAS** —
MERO 2 PROJECT
MARLIM 2 PROJECT
MV23, MV24, MV26, MV27, MV29,
MV30, MV31, MV32, MV33 PROJECT
RAPID PROJECT
FLNG 1 PROJECT
10. **MODEC** —
FPSO EQUINOR BACALHAU
FPSO ANITA GARIBALDI MV33
11. **TECNIMONT** —
BOROUGE 4
12. **HOSHINE SILICON INDUSTRY** —
100,000 TONS OF SILOXANE
200,000 TONS OF POLYSILICON

Floating Ball Valve



Neway floating ball valve is designed according to ISO 17292, API 608 and API 6D, which serves at working temperature: -196~650°C. API 607 or API 6FA fire-safe certificates have been acquired for all the valves subject to fire safe test witnessed by LR.

Design Features

- Full bore or reduced bore
- Fire safe certification
- Anti-blowout stem
- Anti-static device
- Bi-directional soft seal
- On-off position indicator
- Locking device
- Optional fugitive emission design

Product Range

Size: 1/2"~10" (DN15~DN250)

Pressure Rating:

Class 150~2500 (PN16~PN420)

Body Material: CS, SS, Nickel Alloy

Trim Material: CS, SS, Nickel Alloy

End Connection: FLG,NPT,SW,BW

Operation: Handle, Gearbox, Pneumatic / Electric Actuator

Applications

These high performance floating ball valves meet all requirements for petroleum, petrochemical, coal chemical, and industrial applications and when required, can meet NACE specifications. The valves can handle a vast variety of fluids, almost any corrosive service in chemical, oil, petrochemical, gas processing and other industries.

Trunnion Mounted Ball Valve



Neway trunnion mounted ball valves can be used in working temperature range -196°C~650°C particularly for pipeline flow of large size and high pressure. The series is structured in double block and bleed. The lubricant injection system ensures it is equipped with prevents leakage from stem and seat for emergency. The series is subjected to fire safe test certified by Lloyd's Register per API 607 and API 6FA.

Design Features

- Full bore or reduced bore
- Fire safe certification
- Anti-blowout stem
- Anti-static device
- Optional injection system for stem and seat
- Cavity pressure self-relief
- Standard ISO 5211 top flange design
- Valve on-off position indicator
- Lock device
- Optional fugitive emission design
- Optional double piston seat
- Optional stem extension design for underground application

Product Range

Size: 2"~60" (DN50~DN1500)

Pressure Rating:

Class 150~2500 (PN16~PN420)

Body Material: CS, SS, Nickel Alloy

Trim Material: CS, SS, Nickel Alloy

End Connection: FLG, BW

Operation: Handle, Gearbox, Pneumatic, Electric, Pneumatic-hydraulic Actuator, Electric-hydraulic Actuator

Applications

These high performance trunnion mounted ball valves meet all requirements for petroleum, pipeline and piping, and industrial applications and, when required, can meet NACE specifications. The valves can handle a vast variety of fluids, almost any corrosive service in chemical, oil, petrochemical, gas processing and other industries.

Fully-Welded Ball Valve



Neway fully-welded trunnion mounted ball valves are designed to API6D. Valves can be used in working temperature range -46°C~200°C, particularly for pipeline flow of large size and high pressure. The series is structured in double block and bleed and lubricant injection system. It is equipped with prevents leakage from stem and seat for emergency. The fully-welded ball valves have less leakage path with functionally reliable delta ring. The series is subjected to fire safe test certified by Lloyd's Register per API 607 and API 6FA.

Design Features

- Fire safe design
- Anti-blowout stem
- Anti-static device
- Double block and bleed
- Emergent injection
- Stop design inside
- Cavity pressure self-relief
- Optional double piston
- Optional fugitive emission
- Optional underground design

Product Range

Size: 2"~60" (DN50~DN1500)

Pressure Rating:

Class 150~1500 (PN16~PN250)

Body Material: CS

End Connection: BW, FLG

Operation: Manual, Pneumatic, Electric, Electrohydraulic, Pneumatic & Hydraulic, etc.

Applications

Long distance pipeline, petroleum, natural gas, chemicals, metallurgy etc.

DBB Compact Manifold Ball Valve



Neway supplies DBB compact manifold ball valves which are equipped with two balls in one body. The series can be designed in three-piece, long or customized pattern to satisfy the different installation requirements. DBB compact manifold ball valve design reduces the weight and space compared with installing two conventional valves when it achieves safer application. These valves are usually applied in marine and offshore industry.

Design Features

- Long or customized pattern to fulfill requests
- Fire safe design
- Anti-blowout stem
- Anti-static device
- Light weight
- Fugitive emission
- Compact Type as per ASME B16.10

Product Range

Size: 2"~24" (DN50~DN600)

Pressure Rating:

ASME CLASS 150~2500 (PN16~PN420)

Body Material: CS, SS etc.

End Connection: FLG etc.

Operation: Manual, Pneumatic, Electric, Hydraulic etc.

Applications

Marine Important Pipeline

Eccentric C-Ball Valve



The eccentric C-type ball valve has a reliable structure, bidirectional sealing, and is suitable for various types of particle media and high/cryogenic temperature conditions. It already has used in fine chemical equipment like HDI, MMA, MDI, LNG terminal stations, air separation, and other industries, effectively preventing blockages and leaks.

Design Features

- Double Eccentric design
- Reliable torque seal
- No closed cavity
- Lower torque
- No spring insert
- Online maintenance for Top entry
- Bi-directional

Product Range

Size: 2"~24" (DN50~DN600)

Pressure Rating:

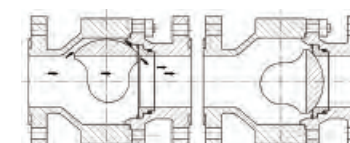
150~1500LB

Body Material: S.S/DS.S/C.S etc.

Structure: Top Entry / Side Entry

Applications

Fine chemical, Oil refining, LNG, Air separation etc.



Butterfly Valve

Typical Reference List

- 1. ARKEMA — ARKEMA SYMPHONY PROJECT
- 2. BOREALIS AG — NEW EUROPEAN PDH KALLO PROJECT
- 3. EQUINOR — FPSO EQUINOR BACALHAU PROJECT
- 4. EXXONMOBIL — LIZA UNITY FPSO EPCI
- 5. EXXONMOBIL — LIZA PROSPERITY FPSO
- 6. KNPC — AL-ZOUR REFINERY & LNG IMPORT PROJECT
- 7. KNPC — EXPANSION AND REVAMPING OF AHMADI DEPOT
- 8. LNG CANADA DEVELOPMENT — LNG CANADA PROJECT
- 9. MIDOR — MIDOR REFINERY EXPANSION PROJECT
- 10. PETROBRAS — P79/P82/P83 BUZIOS FPSO PROJECT
- 11. PETROBRAS — MERO 2 PROJECT
- 12. PETRONAS — KASAWARI GAS DEVELOPMENT PROJECT-WELLHEAD PLATFORM PROJECT
- 13. QGC — QCLNG PROJECT
- 14. QP — EPIC FOR DUKHAN PRODUCTION FACILITIES UPGRADE PROJECT
- 15. SAUDI ARAMCO & SHELL — SASREF MMG PROJECT
- 16. SHELL — ROTTERDAM-HMU PROJECT
- 17. THAI OIL — THAI OIL CLEAN FUEL PROJECT
- 18. AIR PRODUCTS — NEOM GREEN HYDROGEN ELEMENTS
- 19. WORLEY EUROPE — EACOP PROJECT
- 20. UPM BIOCHEMICALS GMBH — UPM-EOS PROJECT
- 21. WANHUA CHEMICAL GROUP — NINGBO MDI PROJECT
- 22. SHENGHONG PETROCHEMICAL — REFINING-CHEMICAL INTEGRATION

Resilient Seated Concentric Butterfly Valve



The API 609(Category A) concentric butterfly valve features a central disc positioned between the inlet and outlet, allowing for efficient flow control. Designed in accordance with API 609 standards, this valve offers lightweight construction and quick operation. It is commonly used in water treatment, and industrial applications, providing reliable shut-off and control of fluid flow in various systems, ensuring optimal performance and durability.

Design Features

- ISO5211 Top flange
- Self-lubricating bearings, low torque,
- low frictionBi-directional sealing, 0 leakage
- 24" & lower size Wafer and Lug type is replaceable seat. For more than 24" and double flange type the seat is bonded on the body
- The valve stem is triple sealed design to prevent outside leakage
- Stem Anti-blow out design
- Stem and disc are connected by the pin less connection design to reduce the internal leakage point, and the maintenance is convenient

Product Range

Size: 2"~72" (DN50~DN1800)
Pressure Rating: 85~232Psi (PN6~PN16)
Body Material: Ductile Iron, CS, SS
End Connection: Wafer, Lug, RF
Operation: Lever, Gear, Pneumatic, Electric, Hydraulic

Applications

Water Treatment
Shipbuilding Industry
Petrochemical
Vacuum Sealing Industry
Corrosive Medium and Low pressure service

Double Offset Butterfly Valve



The API 609 double offset butterfly valve is designed for smooth operation and tight sealing. Its two-offset design minimizes seat wear and reduces torque requirements, ensuring reliable performance. Compliant with API 609 standards, it is ideal for applications in water treatment, oil and gas. This valve provides efficient flow control and reliable shut-off in various industrial processes.

Design Features

- ISO5211 Top flange
- Self-lubricating bearings, low torque, low friction
- Replacable self pressure seal seat design
- Bi-directional sealing, 0 leakage
- Stem Anti-blow out design
- Low friction and long life design
- Dead end service for both direction
- Low emission packing is optional
- Fire safe design is optional

Product Range

Size: 2"~120" (DN50~DN3000)
Pressure Rating: ASME CLASS 150~600
Body Material: CS, SS, AS
End Connection: Wafer, Lug, RF
Operation: Lever, Gear, Pneumatic, Electric, Hydraulic

Applications

Water Treatment
Shipbuilding Industry
Petrochemical
Vacuum Sealing Industry
Air Products & Chemicals
Refinery
Coal chemical industry
LNG

Triple Offset Butterfly Valve



The API 609 high-performance triple offset butterfly valve is designed for superior sealing and longevity. Its unique triple offset geometry reduces friction and enhances seat integrity, achieving bubble-tight closure. Compliant with API 609 standards, it is widely used in oil and gas, chemical processing, and water treatment applications, making it an excellent choice for reliable flow control and shut-off in demanding environments.

Design Features

- ISO 5211 Top flange
- Self-lubricating bearings, low torque, low friction
- Replacable parts
- Bi-directional 0 leakage
- Double stem anti-blow out design
- Low friction and long life design
- Fire safe design
- Low emission packing is optional
- High temperature & Cryogenic service is available

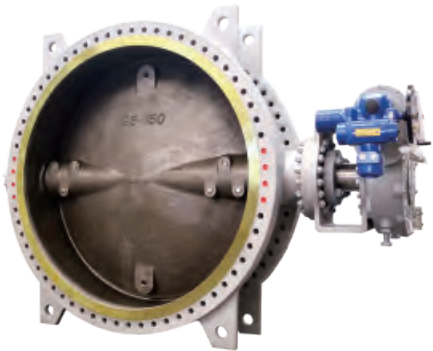
Product Range

Size: 2"~120" (DN50~DN3000)
Pressure Rating: ASME CLASS 150~2500
Body Material: CS, SS, AS etc.
End Connection: Wafer, Lug, RF, BW
Operation: Gear, Pneumatic, Electric, Hydraulic

Applications

Shipbuilding Industry
Petrochemical
Air Products & Chemicals
High & Low temperature service
Severe conditions

High Temp Butterfly Valve



High Temp Butterfly Valve designed for PDH facility pyrolysis gas with maximum 704°C service condition, we supplied double stem for top and bottom side to avoid any thermal expansion of material which will lead to jammed. Above application just typically and ABS facility also have similar high temp condition we already involved.

Design Features

- Integral metallic sealing ring
- Bevel spring loaded packing
- Multilayer stem sealing
- Top/bottom bonnet extend
- HF bearing/stem

Product Range

Size: Up to 96"
Pressure Rating: Class 150/300
Design standard: API609/ASME B16.34/Shell 77-212
FTF: Manufacturer standard

Applications

Hydrocarbons(Fine Chemical)
PDH

Valve for Cryogenic Service

Typical Reference List

1. **ADNOC LNG** —
LONGEVITY PROJECT- ISOLATION VALVES
SUPPLY FOR TRAIN 3 PROJECT
2. **ADVANCED POLYOLEFINS INDUSTRY** —
APOC PDH/UTOS PROJECT
3. **EXXONMOBIL** —
BAYTOWN CHEMICAL EXPANSION PROJECT
4. **LNG CANADA DEVELOPMENT** —
LNG CANADA PROJECT
5. **NLNG** —
BONNY ISLAND TRAIN 7
6. **OLTIN YO'L GTL** —
UZBEKISTAN GAS TO LIQUID PROJECT
7. **PETRONAS** —
FILLING FACILITY OF LNG ISO TANK PROJECT
8. **QGC** —
QCLNG PROJECT
9. **SABIC** —
SABIC TEESSIDE IMPROVEMENT PROJECT
10. **SHELL** —
SAKHLIN PROJECT
11. **SINOPEC** —
TIANJIN LNG PROJECT
12. **SINOPEC** —
SEI SHANGDONG LNG PROJECT
13. **VENTURE GLOBAL LNG** —
LNG BLOCK CALCASIEUS
14. **VENTURE GLOBAL LNG** —
PLAQUEMINES LNG FACILITY

Cryogenic Gate & Globe & Check Valve



Neway cryogenic gate / globe valves (Min design temperature: -196°C) offer low operating torques, consistent and excellent sealing performance and a long service life. They're widely used in LNG, LPG and other low temperature industries.

Design Features

- Extended bonnet design
- Backseat sealing construction moves upward design
- Cavity relief (Gate)
- Drip plate design
- Hard faced sealing surface

Product Range

Gate Valve

Size: 1/2"~ 56"(DN15~DN1400)

Pressure Rating:

ASME CLASS 150~2500 (PN20~PN420)

Body Material:

SS

End Connection:

SW, BW, RF

Operation: Manual, Pneumatic,Electric, Hydraulic

Globe Valve

Size: 1/2"-24" (DN15-DN600)

Pressure Rating:

ASME CLASS 150-2500 (PN20-PN420)

Body Material:

SS

End Connection:

SW, BW, RF

Operation: Manual, Pneumatic,Electric, Hydraulic

Applications

LNG, LPG, LEG, Air separation etc.

Cryogenic Check Valve (Axial Flow Check Valve)



Axial flow check valves are designed to allow fluid to flow in single direction while preventing backflow, ensuring system reliability. Constructed with a streamlined profile, they minimize pressure drop and turbulence, enhancing efficiency. These valves typically conform to industry standards such as API 6D and ASME B16.34, ensuring quality and performance. Common applications include water and wastewater management, oil and gas pipelines, providing critical protection in a variety of fluid handling scenarios.

Design Features

- Venturi streamline design, low flow resistance with no impact
- Dual sealing (Lipseal + Graphite) between body and seat
- One-piece body, without external leaking points
- Ensure minimum flow resistance and best dynamic characteristics by fluid analysis software calculation
- Specialized machining & grinding process to achieve good sealing performance
- Light load opening(less than 2KPa), low operating noise.
- Quick response to flow. Short stroke and close quickly. Prevent the medium from flowing back and protect the key equipment

Product Range

Size: 2"~42" (DN50~DN1050)

Pressure Rating:

ASME CLASS150~1500 (PN20~PN260)

Body Material:

SS

End Connection:

BW, RF

Temperature Range: -196°C~150°C

Structure: Axial Flow Check Valve

Applications

LNG, LPG, LEG, Air separation etc.

Cryogenic Floating Ball Valve (Top/Side Entry)



Neway cryogenic floating ball valves works down to -196°C, with application covering LNG, LPG, air separation,etc. It enjoys state-of-art technology, lipseal, to keep the excellent sealing in ultra-low temperature. On-line maintenance available for the top entry.

Design Features

- Spring-preloaded seat structure is designed to effectively avoid conflict between sealing and torque
- Hole drilling on yoke or stem, to keep connection between stem extension and cavity to achieve pressure relief of cavity
- Hole drilling on the ball's upstream side, to achieve pressure relief of cavity
- Fire-safe & anti-static design
- High quality PCTFE, which has excellent stability in low temperature, or other high-strength seat, is chosen as seat material
- On-line maintenance can be achieved in top-entry series

Product Range

(Top Entry)Size: 3/8"~3" (DN10~DN80)

Pressure Rating:

ASME CLASS150~1500 (PN20~PN260)

(Side Entry)Size: 3/8"~8" (DN10~DN200)

Pressure Rating:

ASME CLASS150~1500 (PN20~PN260)

Body Material:

SS

End Connection:

BW, RF, SW, NPT

Temperature Range: -196°C~150°C

Operation: Manual / Pneumatic /Hydraulic

Structure: Top Entry / Side Entry

Applications

LNG, LPG, LEG, Air separation etc.

Cryogenic Trunnion Mounted Ball Valve (Top/Side Entry)



Neway's top and side-entry cryogenic trunnion-mounted ball valves are extensively utilized in various cryogenic applications, including LNG, LPG, and air separation services. Lip seal design combined with innovative valve structures, ensures exceptional sealing performance, even under working conditions -196°C.

Design Features

- To ensure the sealing performance,the imported lipseal is used for primary sealing
- To ensure sealing capability, the design of unique patent was adopted
- To fulfill FE requirements,double-sealing configuration is applied for high pressure-class products
- Multiple seat structures are available to satisfy different service conditions
- A plenty of pressure relief structures are available for service conditions to ensure cavity relief
- On-line maintenance could be achieved for top-entry construction

Product Range

(Top Entry)Size: 1/2"~24" (DN15~DN600)

(Side Entry)Size: 1/2"~40" (DN15~DN1000)

Pressure Rating:

ASME CLASS 150~1500 (PN20~PN260)

Body Material:

SS

End Connection:

BW, RF

Temperature Range: -196°C~150°C

Operation: Manual / Pneumatic / Hydraulic

Structure: Top Entry / Side Entry

Applications

LNG, LPG, LEG, Air separation etc.

Cryogenic Triple Offset Butterfly Valve (Top/Side Entry)



Neway cryogenic offset butterfly valves are designed for minus 196°C. These valves are widely used in LNG, LPG, air separation lines and other low temperature industries. All parts are replaceable and in-line maintenance is available.

Design Features

- ISO 5211 Top flange
- Self-lubricating bearings, low torque, low friction
- Replacable parts
- Bi-directional sealing
- Double stem anti-blow out design
- Low friction and long life design
- Fire safe design
- Stuffing box extended design and fugitive emission packing

Product Range

Size: 8"~56" (DN200~DN1400)

Pressure Rating:

ASME CLASS150~600 (PN16~PN100)

Body Materials:

SS

End connection:

RF, BW

Operation: Manual, Pneumatic,Electric, Hydraulic

Applications

LNG, LPG, LEG, Air separation etc.

Subsea Valve

Typical Reference List

1. CNOOC — COMPACT TYPE GATE VALVE ASSY
2. COOEC — COMPACT MANIFOLD VALVE PROJECT
3. COSL — NH6&NH8 BOP
4. NOED — 4-1123-NOED-CO-227
5. SEAWAY7 & SWEL — SEAGREEN WIND FARM JACKET FABRICATION PROJECT
6. SINOPEC — SUBSEA VALVE REPAIRING PROJECT
7. COOEC — LEDONG 22-1 PROJECT
8. COOEC — JINZHOU 25-1 PROJECT
9. SK SEVERNAYA GAVAN, LLC — SUBSEA BALL VALVE AND HOTSTAB

Subsea Ball Valve



Neway Subsea ball valve including Floating and Trunnion Mounted ball valve, which qualifies up to the maximum water depth of 3000m and serves at working temperature:-46~150°C. Neway has strict requirements on the quality, performance and reliability of the subsea valves and the valve service life is generally over 20 years without maintenance.

Design Features

- Metal-to-metal seal
- Long-life soft sealing element
- Excellent bi-direction sealing performance
- Multiple sealing guarantee and
- Multi-channel sealing leak detection
- ISO 13628-8 ROV interface
- Electrical continuity
- Anti-blowout and blow-in stem
- PR2F, Endurance Cycling and Hyperbaric testing certification

Product Range

Standard: API 6DSS, API 6A, API 17D, or upon request
Size: 1/2"-48"
Class Rating:
ASME CLASS 150~2500
Design Depth: up to 3000m
Valve Type: Side Entry, Top Entry
Actuator: Gearbox, Hydraulic etc.
(ROV interface are all available)

Applications

Subsea Manifold
PLEM
PLET
Subsea Transport Pipeline
Other Subsea Production System

Subsea Gate Valve



Neway Subsea gate valve including ROV type and hydraulic type, which qualifies up to the maximum water depth of 3000m and serves at working temperature:-46~150°C. Neway has strict requirements on the quality, performance and reliability of the subsea valves and the valve service life is generally over 20 years without maintenance.

Design Features

- Multiple seal guarantee
- Excellent bi-direction sealing performance
- Rising stem or rotary stem is alternative
- Stem back seat seal design
- Optional self-supporting extension device
- ISO 13628-8 ROV interface
- Highlight and visible position indicator
- PR2F, Endurance Cycling and Hyperbaric testing certification

Product Range

Design Standard: API 17D, API 6A, or upon request
Size: 2"-9"
Class Rating: up to 15000psi
Design Depth: up to 3000m
Valve Type: Slab gate
Actuator: Linear driving device, Hydraulic etc.
(ROV interface are all available)

Applications

Subsea Manifold
PLEM
PLET
Subsea Transport Pipeline
Other Subsea Production System

Subsea Valve Blocks



Neway Subsea valve blocks including double or multi-block form, which actuator and qualification is the same as the single valve. Neway has strict requirements on the quality, performance and reliability of the subsea valves and the valve service life is generally over 20 years without maintenance.

Design Features

- Integral body structure, double or multi-block form
- A variety of flow channels and function control design
- Compact structure and light weight
- Modular and integrated design concepts
- Shared pressure compensator
- ISO 13628-8 ROV interface
- Highlight and visible position indicator
- PR2F, Endurance Cycling and Hyperbaric testing certification

Product Range

Design Standard: API 17D, API 6A, or upon request
Size: the same as single valve
Class Rating: the same as single valve
Design Depth: up to 3000m
Valve Type: gate valve or ball valve
Actuator: Gearbox, Linear driving device, Hydraulic etc.
(ROV interface are all available)

Applications

Compact Subsea Manifold
PLEM
PLET
Subsea Transport Pipeline
Other Subsea Production System

Subsea Control Pod



Neway Subsea control pod including circles and squares type, which directs hydraulic operating pressure through hydraulic pilot control signals to the various BOP stack and LMRP functions. Neway has strict requirements on the quality, performance and reliability of the subsea valves and the valve service life is generally over 20 years without maintenance.

Design Features

- Multi-channel crossing
- Includes control valve and pressure regulator
- Precision CNC machining center of more than five axes
- Complex processing and assembly technology
- Duplex stainless steel of main body material
- Reasonable arrangement of standard pipe fittings and pipelines
- Modular and integrated design concepts
- Full functional and airtight testing

Product Range

Size: Main pipe 1", control pipe 1/4"
Class Rating: 3000psi
Design Depth: up to 1500m
Type: 42Line, 64Line
Operate: Hydraulic control

Applications

Semi-submersible drilling platform
Subsea BOP control system
Drilling operation

Nuclear Valve

Countries across the world have put the first priority on developing nuclear power for the reason that it has been recognized as one of the cleanest energy at present. Neway Valve has the civil nuclear safety equipment design / manufacturing license issued by China NNSA, the ASME N & NPT certificate issued by ASME authentication center and a complete quality assurance system to guarantee a high-quality solution of nuclear valves. So far, Neway has offered nuclear valves in various global nuclear projects and experimental reactors. With the professional nuclear valve R&D team and advanced laboratory equipment, Neway Valve will be dedicated in realizing localization of nuclear power equipment in the long-run.

Typical Reference List

1. CGN — HUALONG NO. 1 SAN'AO PROJECT
2. CHASHMA — PAKISTAN C3C4 RECONSTRUCTION PROJECT
3. CNNC — TIANWAN SHELLFISH TRAP PROJECT
4. ITER — ITER NUCLEAR FUSION BASE COOLING WATER SYSTEM PROJECT
5. NNB — HPC PROJECT

Nuclear Power Gate Valve



Design Features

- Body to bonnet connection can select bolted bonnet and pressure seal bonnet.
- Optional seal welding for screwed bonnet connection, sealing is more reliable and can realize the disassembling maintenance.
- Fully guided disc, hardfaced, wear-resistant for longer usage life.
- Stem with the form of packing seal, strict requirement to medium leakage, optional choose bellow and packing double sealing form, including metal bellow products are imported from Germany.
- To parallel slide gate valve, mechanical limit opening and closing position, precisely control the opening and closing position of wedge. To the risk of abnormal pressure bonnet, according to actual working condition and the function requirements of valve, matching various kind of by-pass pipe.
- To the condition of high temperature and pressure condition valve, stem can choose disc spring elastic compensation institution.
- Optional cobalt free hard facing.
- Mechanical position indicator, mechanical locking devices, the middle of packing is leaking device, the bonnet is designed with purging and testing pole.
- Optional packing dynamic preload device, prolong maintenance cycle, use multilayer disc spring group to dynamic preload.

Product Range

Safety Class: 1, 2, 3, non-nuclear grade
Normal Diameter: ≤600mm
Operating Temperature: -196~370°C
Design Pressure: ≤25MPa
Seismic Category: I
Type of Connection: Welding, Flange
Operation: Manual, Pneumatic, Electric
Material of The Main Body: Carbon steel, Alloy steel, Stainless steel
Structural Type: Split(C-Type), Parallel (V/W-Type)

Nuclear Power Globe Valve



Design Features

- Body to bonnet connection can select bolted bonnet, optional screwed bonnet with seal welding or pressure seal bonnet.
- Optional seal welding for screwed bonnet connection, sealing is more reliable and can realize the disassembling maintenance.
- Fully guided disc, hard-faced, wear-resistant for longer usage life.
- Connection disc and stem by disc cover, with non-rotating disc, restrict the disc to rotate, while allowing tiny movement to seal in the face.
- Stem with the form of packing seal, strict requirement to medium leakage, optional choose bellow and packing double sealing form, including metal bellow products are imported from Germany.
- Optional cobalt free hard facing.
- Mechanical position indicator, mechanical locking devices, the middle of packing is leaking device.
- Optional packing dynamic preload device, prolong maintenance cycle, use multilayer disc spring group to dynamic preload.
- Y-Type Globe valve:
 - Y type flow, low flow resistance, high flow performance.
 - Valve opening is small, compact structure, small size, light weight.
 - The space of installation, operation and maintenance space is small, suit for requiring higher dimensional space.

Product Range

Safety Class: 1, 2, 3, non-nuclear grade
Normal Diameter: ≤600mm
Operating Temperature: -196~370°C
Design Pressure: ≤25MPa
Seismic Category: I
Type of Connection: Welding, Flange
Operation: Manual, Pneumatic, Electric
Material of The Main Body: Carbon steel, Alloy steel, Stainless steel
Structural Type: T-type, Y-type, Angle type, Z-type, 3 way type

Nuclear Power Check Valve



Design Features

- Body to bonnet connection: Bolted Bonnet and pressured seal bonnet.
- Design of Built-in pin decreases the leakage path in body and increases readability.
- Structure of anti-rotary disc realizes the seal and anti-rotary of disc.
- Optional Cobalt Free Hard Facing.
- Switch position indicator, quick-opening and slowly-closing are elected extra by demand.

Product Range

Security Level: Nuclear safety level 1, level 2, level 3, the non-nuclear grade
Normal Diameter: >50mm
Operating Temperature: -196~370°C
Design Pressure: ≤25MPa
Seismic Category: I
Type of Connection: Butt welding, Flange
Material of The Main Body: Carbon steel, Alloy steel, Stainless steel

Nuclear Power Ball Valve



Design Features

- Structure is simple and reliable, little installation space, small flowing resistance.
- Top-Entry, body/bonnet connection is bolted with male/female and metal/metal contact easy maintenance quick disassembly (patent protected) remove the ball by special tool.
- The ball and stem is integral one-piece designed for ND≤50, seal is more reliable.
- Disc spring or wave spring is designed for seat preloaded, simple structure, Reduce the hidden trouble of the metal parts into pipeline.
- Soft seal or metal seal structure according to the working condition.
- Cobalt hard facing or cobalt free hard facing for metal seat ball valve.

Product Range

Security Level: Nuclear safety level 1, level 2, level 3, the non-nuclear grade
Normal Diameter: ≤1500mm
Nominal Pressure: Class 150~Class 2500
Operating Temperature: -196~370°C
Seismic Category: I
Type of Connection: Socket welding, Butt welding, Flange
Operation: Manual, Pneumatic, Electric
Material of The Main Body: Carbon steel, Alloy steel, Stainless steel, Duplex stainless steel
Structural Type: Floating Ball Valve
Trunnion Mounted Ball Valve

Nuclear Power Butterfly Valve



Design Features

- Simple structure, reliable sealing, long service life, easy maintenance.
- Frameless type seat, lower operating torque.
- Stem triple offset seal to resist outside leakage.
- No pin to resist internal leakage. Anti-blowout shaft.

Product Range

Security Level: Nuclear safety level 1, level 2, level 3, the non-nuclear grade
Normal Diameter: ≤1400mm
Operating Temperature: -35~200°C
Design pressure: ≤2.0MPa
Seismic Category: I
Type of Connection: Wafer, Flange, Lug
Operation: Manual, Pneumatic, Electric
Material of The Main Body: Carbon steel, Alloy steel, Stainless steel

Control Valve

Typical Reference List

1. FFEIC CO. LTD. —
TAAS, SLAVNEFT-KRASNO
2. VELOCITY ENERGY PTE LTD. —
MSP-7 CONNECTION OF WELLS
3. NADRITZ (CHINA) LTD. —
INE GRAGONS PAPER
4. SHANDONG LIANMENG CHEMICAL CO. —
COAL CHEMICAL
5. CNPC —
HUANGGANG LNG
6. JIANGSU SOPO —
600 THOUSAND TONS/YEAR OF
SYNTHETIC AMMONIA

Single-seated Control Valve



Neway single seated control valves have a top guiding structure. The valve body flow path is in the S type which provides a lower pressure loss, larger flow capacity, wider control range, higher control accuracy and offers a better performance in resistance to vibration. Valves are usually equipped with a pneumatic diaphragm actuator with a compact whole structure, high anti-pressure ability and can be applied to control different pressure and temperature fluid.

Design Features

- Easy to disassembly structure,
- convenient to repair and replace valve trim.
- S type equal section area design, the valve has less flow resistance and big flow capacity.
- For small size valve, plug and stem produced with whole structure, for big size valve, plug and stem connected with threaded and welded.
- A variety of type trims could be choosed, for example soft sealing, different characteristic trims, bellow sealing, decrease noise trim etc.

Product Range

Size: 1/2"~12" (DN15~DN300)

Pressure Rating:

ASME CLASS150~2500 (PN16~PN420)

Body Material: CS, SS, AS etc.

Operation: PDL series pneumatic actuator, PCL series cylinder actuator, electric actuator

Applications

Oil, chemical, metallurgy, shipbuilding, electricity, LNG and other industry, this valve could control the medium flow quality, pressure, temperature etc., and used in the condition which has exact demands about leakage and the pressure drop is not too high

Cm Series Multi-stage Pressure Reducing Trim Control Valve



NEWAY CM series multi-stage pressure reducing trim control valve is used for the harsh working conditions, for example, cavitation, flash evaporation, high differential ratio, strong scour, excessive noise, etc. For different working conditions, Neway has a variety of different trim structures, such as multi stage cage type, multi stage tandem trims type, multi stage groove trim, labyrinth trim, etc.

Design Features

- A variety of trims structures are available
- Valve body could be straight type and angle type
- Fugitive emission
- Wide control range
- Excellent decrease pressure and decrease noise ability
- Customized design for special working conditions

Product Range

Size: 1/2"~20"

Class: ASME CLASS 150~2500

Body material: CS, SS, etc.

Operation: PDL series pneumatic actuator, PCL series cylinder actuator, electrical actuator

Applications

For oil, chemical, metallurgy, shipbuilding, power, LNG and other industries, this valve can control the medium flow, pressure, temperature, etc., and applicable to harsh conditions, such as cavitation, flashing, strong scour, high differential ratio, etc.

CBV Series (Concentric type V-notch segmental)



Neway CBV series control valves contain valve, actuator and other accessories. The ball has a special V notch, which affects shear function with seat while the ball rotates 90° in the body. This valve has good control and cutoff performance. Neway offers metal sealing and soft sealing types, adapting pneumatic actuator, positioner, solenoid valve and other accessories.

Design Features

- High flow capacity
- High control ratio
- Fugitive emission
- Specila V notch with self-clean function
- Travel is 90°, open and close quickly
- Convenient compair and could be installed an anyorientation
- Modular structure design, easy to be replaced with other trims
- High reliability, and function is all ready

Product Range

Size: 1"~20" (DN25~DN500)

Pressure Rating:

ASME CLASS150~600 (PN16~PN100)

Body Material: CS, SS, AS etc.

Operation: PDL series pneumatic actuator, PCL series cylinder actuator, electric actuator

Applications

Oil, chemical, metallurgy, shipbuilding, electricity, LNG and other industry, this valve could control the medium with Fiber or minute solid particles medium

CBC Series (Bellow seal cage-guided)



Neway CBC series control valves are installed with advanced bellows which could ensure a working life 100,000~1,000,000 cycles. The valve body is S type with high flow capability and the plug is balanced design for stable moving. Bellow and packing double sealing enhances the valve safety and reliability.

Design Features

- High flow capacity
- A variety of trims could be choosed
- Big guide area, move stability
- Wide control range, high precision
- Modular overall structure design, good interchangeability
- Could used for diffenemt medium

Product Range

Size: 1-1/2"~12" (DN40~DN300)

Pressure Rating:

ASME CLASS150~1500 (PN16~PN260)

Body Material: CS, SS, AS etc.

Operation: PDL series pneumatic actuator, PCL series cylinder actuator, electric actuator

Applications

Petroleum, chemical industry, metallurgy, aviation, aerospace, shipbuilding, nuclear power, Arsenal and other industries, suitable for highly toxic, corrosive, radioactive and other special medium rare, differential pressure is not clean medium occasion.

Ctd Series Three Way Valve



NEWAY CTD series three way valve is applicable to three-way split or merge conditions. Typical application is the PDH unit, which replaces the three-way ball valve and realizes the switching of the flow direction of the high temperature medium.

Design Features

- Full port design
- Quick open and close action
- The plug and valve seat are not in contact during the opening and closing process
- There will be no pressure hold between the plug and the valve body during the opening and closing process
- The valve have great flow capability
- Fugitive emission

Product Range

Size: 2" ~ 60"

Class: ASME CLASS 150~2500

Temperature: -196~800°C

Body material: CS, SS, etc.

Operation: PDL series pneumatic actuator, PCL series cylinder actuator, electrical actuator

Applications

For Oil, chemical, metallurgy, shipbuilding, power, LNG and other industries, the valve can accurately control the medium flow, pressure, temperature, etc., especially for PDH unit.

Special Valve

Typical Reference List

1. AIR PRODUCT (ZHEJIANG) — 30T/Day LH2
2. FTXT ENERGY TECHNOLOGY CO LTD. — LH2 STORAGE TANK SKID
3. HYUNDAI — PKN ORLEN OLEFINS EXPANSION
4. AIR PRODUCT — NEOM GH2
5. SAUDI ARCHIRODON — NEOM GH2
6. PEG — DEMPCCCOM FOR GAS PROCESSING
7. ARKEMA — ST363 RELOC PROJECT
8. ADNOC — ESTIDAMA
9. HENGLI PETROCHEMICAL — COAL TO HYDROGEN PLANT
10. CNPC TARIM PETROCHEMICAL — POLYOLEFIN
11. WANHUA CHEMICAL GROUP — MDI/HDI

Liquid Hydrogen Valve



Liquid hydrogen valve has become a hot topic. Since the globe valve designed by Neway passed the real liquid hydrogen test in the third party laboratory, Neway liquid hydrogen valves are used in the world's first high-vacuum insulation film-type liquid hydrogen storage simulation cabin.

Different from commodity cryogenic valves, the resource, production, process, inspection and processes of liquid hydrogen valves are more stringent. More importantly, there are obvious differences in design structure.

Design Features

- Ferrite and other chemical element composition control, as applicable for -253°C working condition
- Fugitive Emission valve design to comply with ISO 15848, all classes
- Bellows seal design
- Available for online maintenance
- Optional vacuum jacket

Product Range

NPS	GH ₂				LH ₂	
	Globe	Check	Ball	Butterfly	Globe	Check
	≤6	≤6	≤6	≤16	≤6	≤6
150LB	•	•	•	•	•	•
300LB	•	•	•		•	•
400LB	•	•	•		•	•
600LB	•	•			•	•

Applications

Liquid hydrogen/ Liquid Helium

Sleeved Plug Valve



Neway sleeved plug valve designed as per API 6D and already got the API 6D certification. With small size and light weight, sleeved plug valve can effectively prevent leakage and is widely used in fine chemical equipment.

Design Features

- Multilayer stem seal
- Fire safe design
- Secure sealing with no cold-flow, deformation
- Anti-static
- No cavity
- No seizing. No sticking.

Product Range

Size: 1/2"~12" (DN50~DN300)
Pressure Rating: 150~600LB (PN16~PN100)
Body Material: CS, SS etc.

Applications

Fine chemical units, such as MMA, BPA(bisphenol A) etc.

Rotating Disc Valve



The disc valve, also called a rotating disc valve, rotates on the valve seat surface using a lever, enabling quick opening and closing. It is designed for service prone to wear and erosion, suitable for long-term use in particle conditions.

Spring force put disc closed and seat is allowable for vertical displacement to accommodate thermal changes and assembly errors. The valve disc and seat form a tight seal, preventing particle service staying between the sealing surfaces during operation.

Design Features

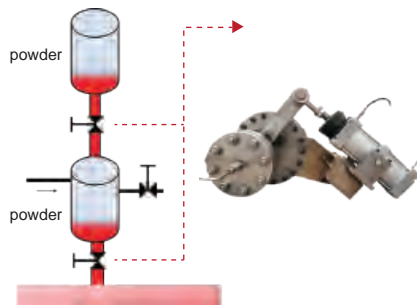
- Dust proof design for drive chain to avoid any jamming
- Self lapping and cleaning
- Anti-blowout stem design with bearing
- Available for purging system

Product Range

Size: 1"~20"
Pressure Rating: 150~600LB

Applications

Cold hydrogenation unit for ganister sand
Ethylene unit for coal powder
polycrystalline silicon facility for slurry of chloro-silicane



High Frequency Metal Seated Ball Valve



Neway high-frequency ball valves are characterized by high switching frequency, fast speed, high reliability, long service life, and good sealing performance. Compared to normal ball valves, high-frequency ball valves have stricter requirements for resources, processes, testing and technology.

Design Features

- Packing preload with bevel spring
- Double bearing with guided stem
- Multilayer thrust gasket
- Multilayer Packing/O-Ring
- LIP seal protection for stem

Product Range

Size: 1/2"~24"(DN50~DN250)
Pressure Rating: 150~2500LB
Body Material: C.S, S.S etc.

Applications

Polyethylene, polypropylene (PP, PE) equipment
P-xylene(PX) C8 aromatics device liquid phase
Gas-solid phase in silicon industry

Quick Action Line Blind Valve



The Quick Action Line Blind valve are commonly installed after the shut-off valve and used in blinding system to isolate or "blind" equipment typically for maintenance or inspection purposes. It can achieve 90% reduction time in downtime compared to conventional systems such as spectacle blinds which is operated by manual.

Design Features

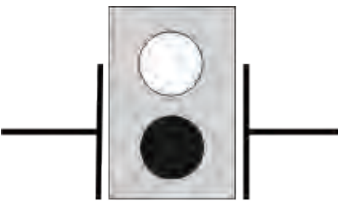
- Quickly operation
- reduction time without flange re-installation
- Minimize external emission
- 100 % full bore

Product Range

Size: 2"~16"(DN50~DN400)
Pressure Rating: 150~600 LB
Body Material: CS,SS,Nickel Alloy etc.

Applications

All of isolation pipe line when necessary



Safety Valve

Typical Reference List

- 1. AIR LIQUIDE (CHINA) HOLDING CO., LTD. — SMIC LG PROJECT
- 2. LINDE ENGINEERING APAC CO.,LTD. — HONGKONG ASU RV PROJECT
- 3. SINOPEC ZHENHAI REFINING & CHEMICAL COMPANY — 11 MILLION TONS/YEAR REFINING AND HIGH-END SYNTHETIC NEW MATERIAL PROJECT
- 4. ZHEJIANG PETROLEUM & CHEMIACAL CO.,LTD. — 40 MILLION TONS/YEAR REFINING AND CHEMICAL INTEGRATION PROJECT
- 5. SINOPEC SHANGHAI ENGINEERING CO.,LTD. — 250,000 TONS/YEAR OCTANOL PROJECT IN ANQING REFINING AND CHEMICAL
- 6. LIANYUNGANG PETROCHEMICAL CO., LTD. — NEW MATERIAL INDUSTRIAL PARK PROJECT OF GREEN CHEMISTRY
- 7. SHENGHONG REFINING (LIANYUNGANG) CO., LTD. — 16 MILLION TONS/YEAR REFINING AND CHEMICAL INTEGRATION PROJECT
- 8. CHINA NATIONAL NUCLEAR CORPORATION OVERSEAS LTD. — K2,K3 PROJECT IN PAKISTAN (HUALONG ONE NUCLEAR REACTOR)
- 9. SNPTC — SANMEN NUCLEAR POWER PLANT UNIT 1 AND 2 (LOCALIZATION FOR THE FIRST TIME OF AP1000)
- 10. CNNC — HAINAN CHANGJIANG NUCLEAR POWER PLANT SMALL REACTOR DEMONSTRATION PROJECT (ACP100)

Conventional Safety Relief Valve



This is a kind of safety valve, which is characterized by quick opening. Its structure is very reliable. Depending on the application, it will gradually open as the pressure rises. It can be used both gas and compressible fluids. Note: the set pressure of this conventional safety relief valve will be affected by superimposed back pressure and built-up back pressure in discharge system.

Design Standard

API 520, API 526
ASME Standard
ISO 4126-1

Product Range

Size:
1/2"~20"
Pressure Rating:
Class150~Class2500
Body Material:
Carbon Steel, Alloy Steel, Stainless Steel, Duplex-SS, Ni-Alloys, Others upon request.
End Connection:
Flanged, Threaded, SW-Welding, Butt-Welding
Applicable Temperature:
-196~650°C

Pilot Operated Pressure Relief Valve



This type of safety relief valve uses the flowing medium itself, through a pilot valve, to apply a closing force to the safety valve disc. As the operating pressure increases, the net seat force increases and tends to make the sealing better. This pilot operated safety valve will eliminate the effects of back pressure in discharge system. Suitable for large diameter, high opening pressure, high sealing requirements and high back pressure conditions. It can also be used for gas or compressible fluids.

Design Standard

API 520, API 526
ASME Standard
ISO 4126-4

Product Range

Size:
1/2"~20"
Pressure Rating:
Class150~Class2500
Body Material:
Carbon Steel, Alloy Steel, Stainless Steel, Duplex-SS, Ni-Alloys, Others upon request.
End Connection:
Flanged, Butt-Welding
Applicable Temperature:
-196~538°C

Mechanical Interlocked Changeover Valve



Mechanical interlocked changeover valve is a product that extends from changeover valve. It consists of two safety valves, two switch devices, chains and handwheels. The inlet changeover valve and outlet changeover valve can be switched at the same time by handwheel. Because it has switch device at both the inlet and the outlet, it allows one of the safety valve to be maintained and replaced while the equipment is in continuous operation.

Design Standard

API 520
ASME B16.34

Product Range

Size:
1/2"~20"
Pressure Rating:
Class150~Class2500
Body Material:
Carbon Steel, Alloy Steel, Stainless Steel, Duplex-SS, Ni-Alloys, Others upon request.
End Connection:
Flanged, SW-Welding, Butt-Welding
Applicable Temperature:
-196~650°C

Pressurizer Safety Valve



This series is a pressurizer safety valve manufactured in strict accordance with the nuclear valve specifications. The valve has the advantages of compact structure and superior performance, and plays a key role in pressure relief system and widely used in the loop system of nuclear power plant.

Design Standard

ASME BPVC III

Product Range

Size:
≤8"
Pressure Rating:
≤Class2500
Setting Pressure:
≤180bar
Body Material:
Carbon Steel, Alloy Steel, Stainless Steel
End Connection:
Flange
Applicable Temperature:
≤370°C

Main Steam Safety Valve



This series of safety valve is the main steam safety valve of nuclear power plant, with reasonable design, compact structure and superior performance. It meets the working conditions requirements such as HPR1000 and CAP1400, and is the key overpressure protection equipment for the steam system in nuclear power plant.

Design Standard

RCC-M/ASME BPVC III

Product Range

Size:
≤8"
Pressure Rating:
≤Class2500
Setting Pressure:
≤250bar
Body Material:
Carbon Steel, Alloy Steel, Stainless Steel
End Connection:
Flanged, Butt-Welding
Applicable Temperature:
≤370°C

Water Valve

Typical Reference List

1. ROYAL COMMISSION FOR JUBAIL AND YANBU — ROYAL COMMISSION FOR JUBAIL AND YANBU
2. ABU DHABI COMPANY FOR ONSHORE PETROLEUM OPERATIONS LTD — PROJECT WAVE
3. ARAMCO OVERSEAS COMPANY B.V. — BIOCIDES SYSTEM UPGRADE AT QURAYYAH WATER PLANT



Gate & Globe & Check Valve



It includes NRS Resilient/Metal Seat gate, OS&Y gate valve, globe type, dual plate check type, swing type, ball check type, the maximum design pressure is 25Bar and follow DIN/EN/ISO standard with maximum design 110°C.

Design Features

- Non-raising/raising stem
- Zero leakage
- Blowout retention design
- Easy installation and maintenance

Product Range

Size:
1-1/2"-48" (DN40-DN1200)
Pressure Rating:
PN10/16, CL125/150
Design Standard:
EN-1171, EN-1074-2, AWWA C515/C509, BS-5153&5152, EN-13789
FTF:
BS5163, DIN 3202-1-F4/F5, ASME B16.10

Applications

Water treatment, Oil, Steam

Double Offset Butterfly Valve



It includes soft seated type, metal seated type, the maximum design pressure is 25Bar with maximum design 110°C. And these valves are available for drinking water, sea water, wastewater.

Design Features

- Double eccentric design can ensure minimal stress on the sealing
- Body and disc rubber lining/ epoxy coating can be costing saving for
- Corrosion condition
- Replaceable and reliable metal sealing ring

Product Range

Size:
2"-160" (DN50-4000)
Pressure Rating:
PN10/16/25/40, CL125/150
Design Standard:
GB/T8527, EN593, API609
FTF:
GB/T12221, EN558, API609

Applications

Air, Water, Sea water, Sewage, Gas, Oil

Air Release Valve



It includes single ball type and double ball type which can prevent pipeline negative pressure and release air automatically. And sealing material has NBR, EPDM, VITON with AWWA C512 and EN 1074-4 design standard.

Design Features

- Release the air automatically, reduce resistance, saving Energy
- Bring negative pressure to prevent valve leak
- Reliable performance

Product Range

Size:
2"-8" (DN50-200)
Pressure Rating:
DN50-200
Design Standard:
AWWA C512, EN1074-4
Flange Standard:
EN1092-2, ASME B16.5

Applications

Water

Piston Type Flow Regulator



Piston Type Flow control valve has hollow streamlined valve body, straight through axial symmetrical flow channel, the section is ring and multilayer sealing structure of metal-metal and metal-elastic materials for seat can ensure reliable sealing.

Design Features

- Low vibration and noise
- Stable and precise regulation capability
- High pressure reduction ratio
- High cavitation resistance

Product Range

Size:
12"-80" (DN300-2000)
Pressure Rating:
PN10/16/25, CL150
Design Standard:
JB/T10675
FTF:
Manufacturer standard

Applications

Water, Sewage, Raw Water

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

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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.