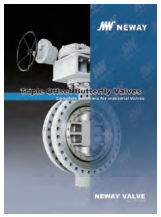
Cat.no.:E-PS

Cat.no.:E-GGC

Cat.no.:E-TMBV

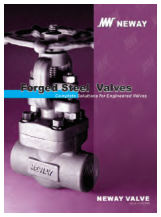
Cat.no.:E-FBV

Cat.no.:E-DOV



Cat.no.:E-TOV

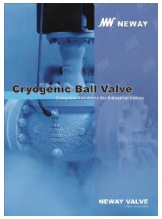
Cat.no.:E-PLV



Cat.no.:E-FSV

Cat.no.:E-DAV

Cat.no.:E-CPS



Cat.no.:E-CBV

Cat.no.:E-PV

NEWAY
NEWAY VALVE (SUZHOU) CO., LTD.

No.666 Taishan Road, Suzhou New District, P.R. China
Post Code:215129
Tel:86-512-666-51365
Fax: 86-512-666-18930-2102
E-mail: overseas.sales@neway.com.cn
http://www.newayvalve.com

Distributed by:

Cat.no.: E-PS-2022

NEWAY

Product Summary

Complete Solutions for Industrial Valves

Contents

Quality Commitment	1
Material Foundries & Technical Innovation	2
Advanced Manufacturing & Quality Control	3
Gate, Globe and Check Valve	4 - 9
Ball Valve	10 - 11
Butterfly Valve	12 - 13
Cryogenic Valve	14 - 17
Subsea Valve	18 - 19
Nuclear Valve	20 - 21
Special Valve	24 - 25
Product Range	26 - 27
Neway Factory & Overseas Subsidiaries	28

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 35,000 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

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.

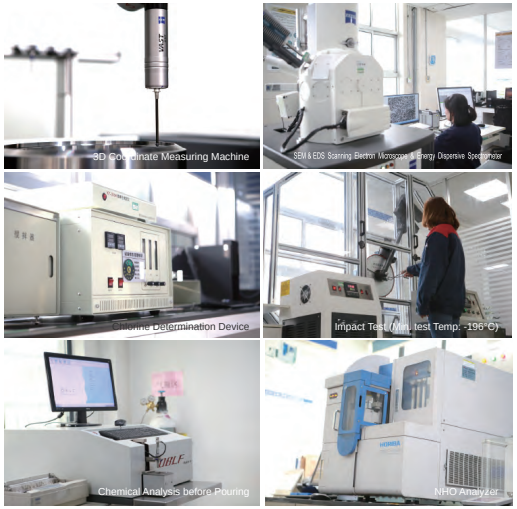
NEWAY technical personnel are always ready to offer on line or on site technical training and suppout for all of its distributors, agents and end users.

Sand Mixing Machine
Automatic Line Form
Forklift Type Heat Treatment
Cryogenic Testing
Flow Testing
Nuclear Valve Qualification Test
1250t Hydraulic Press and 2m Ring Rolling Mill Production Line
PR2
High Temperature Testing
Hyperbaric Testing Chamber

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.

Robotic Painting Arm
Robotic Welding Arm
Advanced Warehouse Systems Cladding System
High Velocity Oxygen Fuel Coating
Advanced Warehouse System
Clean Room
Automatic Ball Valve Testing Machine
Single Piece Flow Gate Valve Manufacturing Line


3D Coordinate Measuring Machine
SEM & EDS: Scanning Electron Microscope & Energy Dispersive Spectrometer
Machine Determination Device
Impact Test (min. test Temp: -196°C)
Chemical Analysis before Pouring
NHO Analyzer
DR

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 LNTEGRATED 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. **NLNG** — *BONNY ISLAND TRAIN 7 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 CALCASIUEUS*
21. **WANHUA CHEMICAL** — *POSM PROJECT*
22. **WANHUA CHEMICAL** — *MDI PROJECT*

Conventional Gate, Globe and Check Valve

The series is one of Neway key products. We are able to provide complete set of size, pressure, material and inventory of parts for customers.The gate valve from 2 to 4 inch, Class 150 to 300, the wedge can be changed with each other, so it is convenient for on-site maintenance. They are all certified by API 591, with authorized certification of low emission by API 624 and ISO 15848-1 for GGC products with bolted bonnets.

Design Features

- Valves with bolted bonnets
- Flexible wedge (Gate valve)
- Welding seat ring
- Conical disc (Globe valve)
- Swing or plunger disc (Check)
- Optional full jacketed or half jacketed design
- Alternative external hammer damping disc (Check)
- Stem extension (Gate and Globe valve) available

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,Electric and Pneumatic Actuator

Applications

Petroleum and Chemical industry, Oil & gas pipeline transportation

Pressure Seal Valve

Neway pressure-seal valve is designed based on API/BS and ASME B16.34, widely used in high temperature and high pressure conditions.
Characterized by simple structure and better rigidity, it is competitive in maintenance costs, providing reliable body-bonnet seal.

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

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 industry, Oil refining, high pressure steam service

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 higer 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
- Interchangable 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

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

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 opertation torque
- Double block and bleed
- 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

Long pipeline in oil & gas service

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

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 vlave 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

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 simualtion 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

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 mainte-nance.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 quickclos-ing, 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

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

Forged Steel Pressure-seal Valve

Neway forged steel pressure-seal valves, broadly used in nuclear and petrochemical power plants, can serve harsh conditions such as high pressure and high temperature, designed according to ASTM B16.34. Compared with bolted-bonnet valves, it features succinct appearance, superior rigidity and low cost of maintenance, more reliable in body-bonnet sealing.

Design Features

- Hard alloy overlaid on seating surface Solid wedge
- Full-stroke guide
- Pressure seal bonnet
- Optional bypass valves: Y-type globe and check valves

Product Range

Type: Gate, Globe and Check Valves
Size: 1/2"~2" (DN15~DN50)
Pressure Rating:
CLASS 900~2500 (PN150~PN420)
Body Material: CS etc.
Trim Material: According to API 600
End Connection: Flanged End, BW,RTJ
Operation: Hand Wheel, Electric Actuator, Gearbox

Bellow Sealed Gate & Globe Valves

Bellow seal valve is normally applied to strict leakage level conditions where the leakage is harmful to operators or damages the environment. The top and bottom part of bellow will be attached to bonnet and stem. The up-and-down movement of stem drives expansion and contraction of the bellows, eliminating the leaking possibilities during stem sliding.

Design Features

- Multi-layers bellow
- 10000 trouble-free circulations
- Bellow & packing dual stem sealing

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

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 Valve for Thermal Power Application

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 avaliable 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*
10. **PETROBRAS** — *MARLIM 2 PROJECT*
11. **PETROBRAS** — *MV23, MV24, MV26, MV27, MV29, MV30, MV31, MV32, MV33 PROJECT*
12. **PETRONAS** — *RAPID PROJECT*
13. **PETRONAS** — *FLNG 1 PROJECT*
14. **QGC** — *GCLNG PROJECT*
15. **SAUDI ARAMCO** — *SASREF MMG PROJECT*
16. **SHELL** — *SHELL WHALE PROJECT*
17. **SHENGHONG REFINERY** — *16 MILLION TONS/YEAR REFINING AND CHEMICAL INTEGRATION PROJECT*
18. **THAI OIL** — *THAI OIL CLEAN FUEL PROJECT*
19. **UPM BIOCHEMICALS GMBH** — *UPM-EOS PROJECT*
20. **VENTURE GLOBAL LNG** — *PLAQUEMINES LNG FACILITY PROJECT*

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 positon 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

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

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. **NLNG** — BONNY ISLAND TRAIN 7
11. **PETROBRAS** — P79 BUZIOS FPSO PROJECT
12. **PETROBRAS** — MERO 2 PROJECT
13. **PETRONAS** — KASAWARI GAS DEVELOPMENT PROJECT-WELLHEAD PLATFORM PROJECT
14. **QGC** — QCLNG PROJECT
15. **QP** — EPIC FOR DUKHAN PRODUCTION FACILITIES UPGRADE PROJECT
16. **SAUDI ARAMCO & SHELL** — SASREF MMG PROJECT
17. **SHELL** — ROTTERDAM-HMU PROJECT
18. **THAI OIL** — THAI OIL CLEAN FUEL PROJECT
19. **UPM BIOCHEMICALS GMBH** — UPM-EOS PROJECT
20. **WANHUA CHEMICAL GROUP** — NINGBO MDI PROJECT

Resilient Seated Concentric Butterfly Valve

Neway concentric butterfly valves are widely used in various industrial fluid control applications. The fully rubberen-capsulated body is suitable for various corrosive service conditions. Compared with conventional gate, globe and ball valves, the weight is much lower. Due to the rapid development of artificial rubbers it is possible to use this valve within the modern chemical industry. Neway butterfly valves with concentric type design comply toAPI 609 standard.

Design Features

- ISO5211 Top flange
- Self-lubricating bearings, low torque,
- low frictionBi-directional sealing, 0 leakage
- 24"& lower size Wafer and Lug type is replacable 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, Pneumat-ic,Electric, Hydraulic

Applications

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

Double Offset Butterly Valve

Neway supplies bi-directional double offset butterfly valves with PTFE / RPTFE seats. The low friction and low operation torque both contributes to a longer life design. All the parts are replacable and in-line maintenance is available. Neway double offset butterfly valves comply toAPI 609 standard.

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 emision 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 Butterly Valve

Neway supplies a wide range of bidirec-tional triple offset butterfly valves with zero leakage. The low torque guarantees easy operation and the metal seat design allows it to be applied in severe services. All parts are replaceable and in-line maintenance is available. Neway triple offset butterfly valve complies to API609 standard.

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 emision 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,Hy-draulic

Applications

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

Valves 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 CALCASIUEUS*
14. ***VENTURE GLOBAL LNG*** — *PLAQUEMINES LNG FACILITY*

Cryogenic Gate/Globe 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 (Swing Check Valve)

Neway cryogenic check valves (Min design temperature: -196°C) adopt internally assembled hinge pin design and automatic centering ball pin shaft, the special fine grinding and matching grinding technology, and the rigorous production control process, which ensures the valve has the advantages of reliable sealing, stable low temperature and long service life.They're widely used in LNG, LPG and other low temperature industries.

Design Features

- Internal hinge pin design
- Automatic centering ball pin shaft
- Swing check and piston check optional
- Hard faced sealing surface

Product Range

Size: 1/2"~48" (DN15~DN1200)
Pressure Rating:
ASME CLASS 150~2500 (PN20~PN420)
Body Material: SS
End Connection: RF, BW, RTJ

Applications

LNG, LPG, LEG, Air separation etc.

Cryogenic Check Valve (Axial Flow Check Valve)

Axial flow check valve is commonly located at the export of compressor and pump on the oil and gas pipelines, and ethylene device. It is used to prevent the medium flowing back instant, and avoid damaging the upstream equipment, such as compressor and pump, etc. General, it is required that the pressure drop of the valve can't be too large when the medium flows through the valve, so as to reduce the power and energy of the whole pipeline system. And it is also usually needs the valve has a small pressure loss, small opening pressure, low noise, good sealing capacity, fast response, and water hammer preventing features, etc.

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 Check Valve (Dual-plale Type)

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

Design Features

- Short length, light weight and small installation space
- Low flow resistance with desirable flow capacity, with no water hammer
- One-piece body, without external leaking points
- Ensure superior sealing capability via special process

Product Range

Size: 2"~36" (DN50~DN900)
Pressure Rating:
ASME CLASS150~1500 (PN20~PN260)
Body Material: SS
End Connection: RF, BW
Temperature Range: -196°C~400°C
Structure: Dual-plate type

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 top / side entry cryogenic trunnion mounted ball valves are widely used in typical cryogenic applications like LNG, LPG, air separation applications, in-line service. State-of-art lip seal technology combined with smart valve designs guarantee an excellent sealing performance which are applied to minus 196°C working condition.

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 avaliable to satisfy different service conditions
- A plenty of pressure relief structures are avaliable 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 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 emision packing

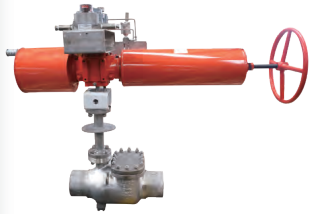
Product Range

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.

Cryogenic Triple Offset Butterfly Valve (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 emision packing

Product Range

Size: 6"~56" (DN150~DN1400)
Pressure Rating:
ASME CLASS 150~600 (PN16~PN100)
Body Materials: SS
End connection: RF, BW
Operation: Manual, Pneumatic, Electric, Hydraulic

Applications

LNG, LPG, LEG, Air separation etc.

Subsea Valves

Typical Reference List

1. **CNOOC** — *COMPACT TYPE GATE VALVE ASSY*
2. **COOEC** — *HAINAN DATA DEMONSTRATION PROJECT*
3. **COOEC** — *COMPACT MANIFOLD VALVE PROJECT*
4. **COSL** — *NH6&NH8 BOP*
5. **NOED** — *4-1123-NOED-CO-227*
6. **SEAWAY7 & SWEL** — *SEAGREEN WIND FARM JACKET FABRICATION PROJECT*
7. **SINOPEC** — *SUBSEA VALVE REPAIRING PROJECT*

Subsea Ball Valve

Subsea valves are generally used for fluid transport in offshore oil and gas production systems in deep water or ultra-deep water. Neway has strict requirements on the quality, performance and reliability of the subsea valves and the valve service life is generally over 20 years.

Design Features

- Metal-to-metal seal
- Long-life soft sealing element
- Metal gasket
- Multi stem sealing structure
- ISO 13628-8 ROV interface
- Electrical continuity

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

Subsea valves are generally used for fluid transport in offshore oil and gas production systems in deep water or ultra-deep water. Neway has strict requirements on the quality, performance and reliability of the subsea valves and the valve service life is generally over 20 years.

Design Features

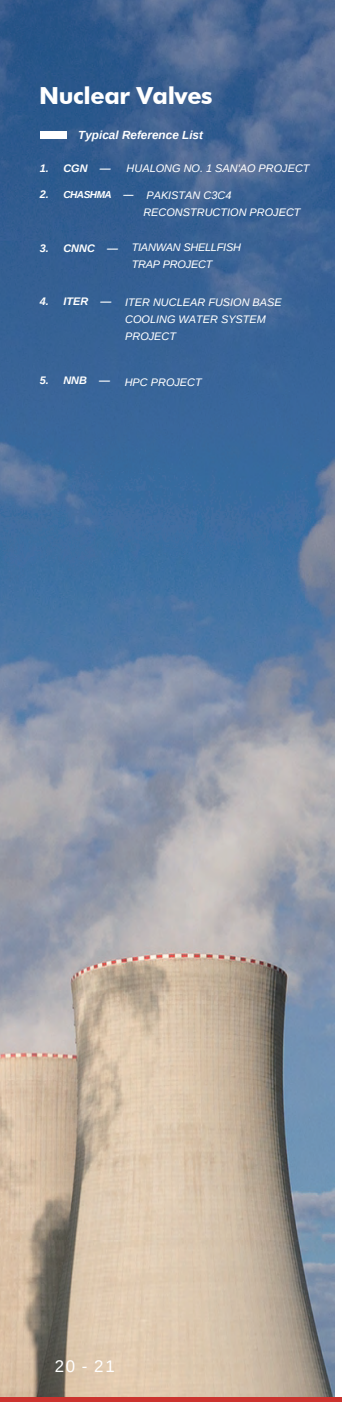
- Metal-to-metal Seats
- Prolonged Life Soft Seals
- Metal Ring Joints
- Multi-seal Stem Sealing Solution
- The Linear Type Driving Device
- ISO 13628-8 ROV Interface
- Cathodic Protection

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



Nuclear Valves

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

Safety needs to be a fully integrated part in the design and production philosophy of nuclear gate valves.Neway has integrated this key factor by starting and ending with a full awareness of safety during each step that needs to be taken during designing and production of nuclear valves. The valves are exposed to, for example a lifecycle test including 2000 cycles with high temperatures, fluid interruption, seismic and end loading. This qualifies Neway to be your preferred supplier for nuclear gate valves which are certified to safety class 2&3, standard class 2&3 and seismic I for nuclear industries.

Design Features

Gate valves are critical equipment which contain advantages as following.Wedge precisely guided during whole trip design, No-cobalt (or cobabt free) alloy hardfacing for sealing surface, Double sealed design for body-bonnet jointing, dynamic loading device for packing seals, packing on-line replace function were designed and implemented in these equipments.

Product Range

Safety Class: Class 1,2,3 and NonClassified
Seismic Category: Ⅰ
Normal Diameter: ≤600mm
Application Temperature: ≤370°C
Design Pressure: ≤25MPa
Main Material: SS, CS, AS
End Connection: BW, RF, SW, NPT
Operation: Manual, Pneumatic, Electric,Remote drive
Structural: Wedge, Double disc parallel seat(type-V & type-W)

Nuclear Power Globe Valve

Safety needs to be a fully integrated part in the design and production philosophy of nuclear globe valves.Neway has integrated this key factor by starting and ending with full awareness of safety during each step that needs to be taken during designing and production of nuclear valves. The valves are exposed to for example a lifecycle test including 2000 cycles with high temperatures, fluid interruption, seismic and end loading. This qualifies Neway to be your preferred supplier for nuclear globe valves which are certified to safety class 2&3, standard class 2&3 and seismic I for nuclear industries.

Design Features

Globe valves are critical equipment which contain advantages as following.Integral die-forging structure for pressure bear components, Disc whole trip guided design ensures more reliable sealing, Gland pre-loaded by loads with compensating capability were designed and implemented in these equipments.

Product Range

Safety Class: Class 1,2,3 and NonClassified
Seismic Category: Ⅰ
Normal Diameter: ≤600mm
Application Temperature: ≤370°C
Design Pressure: ≤25MPa
Main Material: SS, CS, AS
End Connection: BW, RF, SW, NPT
Operation: Manual, Pneumatic, Electric,Remote drive
Structural: straight-through type(type-T), straight-flow type(type-Y), angle-type, type-Z

Nuclear Power Ball Valve

Safety needs to be a fully integrated part in the design and production philosophy of nuclear check valves.Neway has integrated this key factor by starting and ending with full awareness of safety during each step that needs to be taken during designing and production of nuclear valves. The valves are exposed to for example a lifecycle test including 2000 cycles with high temperatures, fluid interruption, seismic and end loading. This qualifies Neway to be your preferred supplier for nuclear check valves which are certified to safety class 2&3, standard class 2&3 and seismic I for nuclear industries.

Design Features

Check valves are critical equipment which contain advantages as following.To ensure sealing location repeatable, built-in disc design reduces external leakage. Bonnet joint double sealed.Disc anti-rotation structure. Especially, valve's passageway was optimized by CFD software to minimum the flow resistance, Low pressure differential open and low pressure differential seal, Lift check valve's online sealing performance detection function were designed and implemented in these equipments.

Product Range

Safety Class: Class 1,2,3 and NonClassified
Seismic Category: Ⅰ
Normal Diameter: ≤600mm
Application Temperature: ≤370°C
Design Pressure: ≤25MPa
Main Material: SS, CS, AS
End Connection: BW, RF, SW, NPT
Structural: Swing, Lift, Axial flow, Dualplate, Tilting

Nuclear Power Ball Valve

Safety needs to be a fully integrated part in the design and production philosophy of nuclear ball valves.Neway has integrated this key factor by starting and ending with full awareness of safety during each step that needs to be taken during designing and production of nuclear valves. The valves are exposed to for example a lifecycle test including 2000 cycles with high temperatures, fluid interruption, seismic and end loading. This qualifies Neway to be your preferred supplier for nuclear ball valves which are certified to safety class 2&3, standard class 2&3 and seismic I for nuclear industries.

Design Features

Ball valves are critical equipment which contain advantages and kinds as following. One-piece body design with excellent anti pipe stress capability.Soft seat materials pass the test and verification of All nuclear operating conditions, Double sealing design for the bonnet joint to avoid external leakage, Quick on-line maintenance.

Product Range

Safety Class: Class 1,2,3 and NonClassified
Seismic Category: Ⅰ
Normal Diameter: ≤1500mm
Application Temperature: ≤370°C
Design Pressure: ≤25MPa
Main Material: SS, CS, AS
End Connection: BW, RF, SW, NPT
Operation: Manual, Pneumatic, Electric,Remote drive
Structural: Top-entry, Two-piece, Three-piece

Nuclear Power Butterfly Valve

Safety needs to be a fully integrated part in the design and production philosophy of nuclear butterfly valves.Neway has integrated this key factor by starting and ending with full awareness of safety during each step that needs to be taken during designing and production of nuclear valves. The valves are exposed to for example a lifecycle test including 2000 cycles with high temperatures, fluid interruption, seismic and end loading. This qualifies Neway to be your preferred supplier for nuclear butterfly valves which are certified to safety class 3,standard class 3 and seismic I for nuclear industries.

Design Features

Butterfly valves are critical equipment which contain advantages and kinds as following. For customer Optional dismountable and one-piece seat in online maitain, To avoid disc over-rotated, one reliable stopper was adopted in seat structure. Furthermore, bidirectional high reliability seal can be achieved for seat seal.

Product Range

Safety Class: Class 1,2,3 and NonClassified
Seismic Category: Ⅰ
Normal Diameter: ≤3000mm
Application Temperature: ≤450°C
Design Pressure: ≤25MPa
Main Material: SS, CS, AS
End Connection: Wafer, Lug, RF, BW
Operation: Manual, Pneumatic, Electric,Remote drive
Structural: Concentric, Double offset,Triple offset

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-pressue ability and can be applied to control different pressure and temperature fluid.

Design Features

- Easy to disassembly structure,
- convinnient to repair and replace valve trim.
- S type equal section area design, the valve has less fow resistance and bid 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 fow 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
- Less leakage
- 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 pueumatic actuator, positioner, solenoid valve and other accessories.

Design Features

- High flow capacity
- High control ratio
- Less leakage
- Specila V notch with self-clean function
- Travel is 90°, open and close quickly
- Convinent 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 reliablity.

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 diffenernt 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.

Cage-guided Control Valve

Neway cage-guided control valves have presure balanced trim, compact structure and S type body. The valve offers a high flow capacity, a wide control range and a high control accuracy.Valves are usually equipped with a pneumatic diaphragm actuator for use in fluid control conditions that require good dynamic stability, low noise, less leakage etc.

Design Features

- High flow capacity
- A variety type trims could be choosed
- Wide control range and high accuracy
- Modular design, easy to replace
- Applicable to many kinds of fluid media control

Product Range

Size: 1-1/2 "~20" (DN40~DN500)
Pressure Rating:
ASME CLASS150~2500 (PN16~PN420)
Body Material: CS, SS 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 fow quality, pressure ,temperature etc, and used in the condition which has exact demands about leakage and the pressure drop is not too high.

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 benefits from its unique structure – flexible and compact fluid handling system. With small size and light weight, sleeved plug valve can effectively prevent leakage and is widely used in fine chemical equipment.

Design Features

- longer-lasting leak-proof sealing
- Sealing material ensures no cold flow deformation or rotation of the sleeve
- No stucking. No blocking
- No cavities. No pollution
- Fire safe design
- Anti-static

Product Range

Size: 1/2"~24" (DN50~DN250)
Pressure Rating:
ASME CLASS 150~600 (PN16~PN100)
Body Material: CS, SS etc.
End Connection: FLG

Applications

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

Ball Valves for Pig Launching and Receiving

Neway pig ball valves for launching and receiving are a good alternative for conventional systems for pig cleaning because of the compact structure, which also has the fireproof and antistatic device. The valves are widely used in oil and gas pipelines to cut or connect the pipeline and clean the pipeline to improve the efficiency of pipeline transportation.

Design Features

- Double O-rings seal design
- Double soft seal plus one metal seal between quick close gland and body
- Trunnion mounted ball valve design
- Fire safe design
- Emergent sealant injection system
- Double block and bleed
- Anti-static

Product Range

Size: 2"~10"(DN50~DN250)
Pressure Rating:
ASME CLASS 150~1500 (PN16~PN250)
Body Material: CS, SS etc.
End Connection: FLG, BW

Applications

Pig launching and receiving

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.

| Valve Type | | Design Standard | Size | | | | | ASME Rating Class | | | | |

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 Flow Control(Suzhou) Co.,Ltd **Founded in 2020**

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

Neway Overseas Subsidiaries

NEWAY America
Tel: +1-281-969-5500
E-mail: Sales: Neway.NA@newayvalve.com
Aftersales: Aftersales.NVI@newayvalve.com
Address : 9757 Stafford Centre Dr., Stafford, TX 77477, USA

NEWAY Netherlands
Tel: +31 (0) 181 457070
E-mail: Sales: Neway.NL@newayvalve.com
Aftersales: Aftersales.NL@newayvalve.com
Address: Curieweg 19(4th Floor),3208 KJ Spijkenisse, The Netherlands

NEWAY Italy
Tel: +39(02)87264010
E-mail: Sales: Neway.IT@newayvalve.com
Aftersales: Aftersales.IT@newayvalve.com
Address: VIA VINCENZO FORCELLA, 3 20144 MILANO, Italy

NEWAY Singapore
Tel: +65-6684-7968
E-mail: Sales: Neway.SG@newayvalve.com
Aftersales: Aftersales.SG@newayvalve.com
Address: 100G Pasir Panjang Road,#08/21 Interlocal Centre, Singapore 118523

NEWAY Dubai
Tel: +971 4 4562947
E-mail:Sales: Neway.AE@newayvalve.com
Aftersales: Aftersales.AE@newayvalve.com
Address: Office 3606, JBC1, Cluster G Jumeirah Lake Towers PO Box 214954 Dubai -U.A.E.

NEWAY Nigeria
Tel: +234 814 337 5620 / +234 808 888 8068
E-mail: Neway.NG@newayvalve.com
Address: Lekki Coastal Road, Tiye Town, Akodo, Ibeju-Lekki L.G.A; Lagos, Nigeria

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.