Project References

Overseas

APOC PDH/UTOS

POLAND POLIMERY POLICE PDH/PP PROJECT

UPM-EOS PROJECT

NEW EUROPEAN PDH KALLO PROJECT

MOCD2 PROJECT

OLEFINS FACILITY

NEW PTA COMPLEX PROJECT

BC HPM PROJECT

NBA PROJECT

UNITED EO/EG III PROJECT

ARKEMA SYMPHONY PROJECT

CELANESE PANTHER LTBP B PROJECT

ATB-PU PROJECT

BPC MALAYSIA

EVONIK ME6 PROJECT

FORMOSA POINT COMFORT EXPANSION

FUJIAN INDUSTRY PARK PROJECT

WANHUA FUJIAN PVC PROJECT

WANHUA FUJIAN MDI PROJECT



No.666 Taishan Road, Suzhou New District, P.R. China Post Code:215129

Tel:86-512-666-15637

Fax: 86-512-666-18930-2102

E-mail: overseas.sales@neway.com.cn

https://www.newayvalve.com





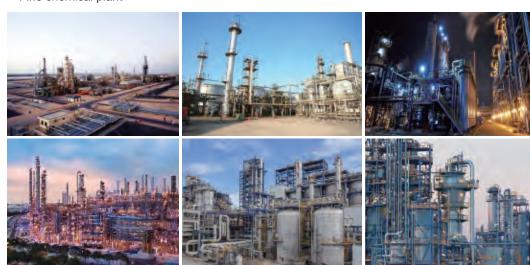




Fine Chemical System

Bi-directional

Fine chemical plant



Application Characteristics of Fine Chemical Valve in System

Valve Type	Characteristics	Advantage
Gate Valve	It is mainly used for fluid flow or cut-off in pipeline usually not as flow regulation Small flow resistance and reliable sealing	The erosion of sealing surface is smaller than globe valve; Bi-directional torque seal Tight shut off
Globe Valve	Mainly used in isolation, drain and throttling conditions	The stroke is short and the height space required is smalle the Gate valve Efficient manufacturing process and easy maintenance
Check Valve	 Mainly used on non-return pipeline and protect important equipment Swing, piston, dual plate etc. diversified options 	Different valve types available for various chemical service conditions with good flow performance and easy operation
Ball Valve	 Mainly used for guiding and cutting off in pipelines; Suitable for quick open and close conditions 	 It is a wide and common used valve type for fine chemical industry with high flow performance, reliable Sealing and easy operation According to the different sealing structure it can also be used for suspended solid particles, crude fluid
Butterfly Valve	It has approximate equal percentage flow characteristics and is suitable for pipelines with low flow regulation and pressure loss requirements Suitable for frequent or emergency operation conditions	Because of its compact structure, it is suitable for the occasion of limited installation and operation space, usually it's the first choice for large size piping



■ Low Temperature Methanol and Fuel Gas Unit







■ High Temperature and Pressure Unit Service

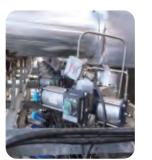




Oxygen Service







https://www.newayvalve.com

Fine Chemical

As a well-known international industrial valve manufacturer, Neway is dedicated to the production and R&D of industrial valves. Neway is committed to providing complete industrial valve solutions to all industries through advanced engineering and innovation.





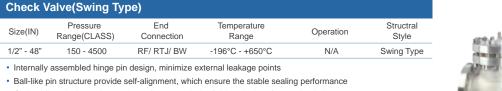
Product Range

Gate Valve								
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style			
1/2" - 42"	150 - 4500	RF/ RTJ/ BW/ SW/ NPT	-196°C - +650°C	Manual/ Motor Pneumatic/ Hydraulic	OS&Y			

- · Fugitive emission design
- · Fire safe design
- · Full port design with high CV performance

Globe Valve							
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style		
1/2" - 30"	150 - 4500	RF/ RTJ/ BW/	-196°C - +650°C	Manual/ Motor	T-Pattern		

- · Fugitive emission performance design
- · General regulating function
- · Y-pattern globe offering higher CV performance
- Integrated seat design for cryogenic globe valve and API 602 compact designed globe
- Fire safe design





- Optimal flow design & the maximum flow capacity by fluid analysis software simulation
- Dedicated accurate and match grinding to guarantee the sealing performance in low temperature

Check Valve(Piston Type)							
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style		
1/2" - 2"	150 - 2500	RF/ RTJ/ BW SW/ NPT	-196°C - +650°C	N/A	Piston/ Lifting Type		

- · Integral closed die forged for flanged body
- Body guided & spring return disc structure, avoid operation jamming and vibration
- To prolong the service life, the seal surface is made of cobalt-based alloy by weld overlay
- · Fire safe design

Check Valve(Dual-plate Type)							
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style		
2" - 76"	150 - 2500	LUG/RF/Wafer RTJ	-196°C - +650°C	N/A	Dual-plate Type		

- · Low flow resistance with desirable flow capacity, without water hammer
- · Retainerless design, no external leakage point
- Superior sealing capability via specialized production process







- 150 2500 · Fire safe & anti-static design · Blow-out proof stem

runnion Mounted Ball Valve

Range(CLASS)

- Double block and bleed Cavity pressure self-relief

2" - 60"

Floating Ball Valve

Size(IN) Range(CLASS)

· Fire-safe & anti-static design

· Optional fugitive emission design

1/2" - 10" 150 - 1500

· Blow-out proof stem

ISO 5211 top flange

· Optional locking device

- Emergency sealant injection
- - Optional fugitive emission design

Connection

Connection

RF/RTJ/BW

One piece type/

Top Entry/

Top Entry/

Manual/ Pneumatic

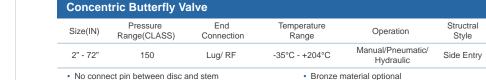
Manual/Pneumatic/

Hydraulic

Manual/Pneumatic/

Hvdraulic

Bronze material optional



effect seat

Optional locking device

Range

Temperature

· On-line maintenance can be achieved by top-entry series

• Interchangeable between single piston effect and double piston

-196°C - +650°C

Double Offset Butterfly Valve

Range(CLASS)

150 - 600

· Easy to take out and replace the seat

· Bi-directional zero leakage

· Low torque & low friction

· Fire-safe seat optional

· No rubbing, longer life

· Easy Maintenance at site

· Fire safe design

Three-layer flange sealing design to avoid outside leakage

• Laminated seal ring and solid metal seal ring optional and interchangeable

· Torque seated to achieve higher grade seal performance

· Anti-stem blow out

2" - 48"





Valve(Dual-plate Type)				Triple O	ffset Butterfly	Valve			
Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style	Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operati
150 - 2500	LUG/RF/Wafer RTJ	-196°C - +650°C	N/A	Dual-plate Type	2" - 120"	150 - 2500	Lug/ RF/ RTJ	-196°C - +650°C	Manual/Pne Hydrau

- · Short length, light weight and compact structure
- Fire safe design





Cryogenic Service Valves

- Bonnet extension
- Pressure relief
- Relief hole for gate & floating ball valve
- DIB-2 seats system for TM ball valve
- Cryogenic treatment
- Lip seal structure for Ball Valve

High Temperature and Pressure Valves

- Pressure seal bonnet recommended for Gate & Globe
- Casting and die-forging valve body optional
- Graphite sealing ring design for pressure seal bonnet
- By pass structure optional
- Flexible wedge, split wedge, parallel slide gate optional

Fugitive Emission Valves

- Different constructions of dynamic seal
- Multi layers of bellow, high service life
- Certified graphite packing (API, ISO, TA-LUFT, SHELL SPEC)

Ultra-high Temperature Valves

- Welding bonnet recommended for Gate & Globe
- Casting and die-forging valve body optional
- Extension bonnet
- Live load packing

Certificates of Neway Fine Chemical Industry Valve

(including but not limited to the following certificates)

- CE, ATEX Certification for the European Union
- Special Equipment Manufacturing License in China
- FE certificate
- Fire-Safe Certificate

Complete Solutions for Industrial Valves

About Neway



Neway is a global valve manufacturer committed to the research/development, production, and sale of high-quality industrial valves. Our product scope includes Gate, Globe, Check, Ball, Butterfly, Nuclear, Control, Subsea, Safety valves and Well-Head equipment. Our valves are widely supplied to industries including Oil & Gas, Refining, Chemical/Petrochemical, Pipeline, LNG, On/Offshore Exploration & Production, Power, and Renewable/Green Energy applications. Neway's owned and vertically integrated R & D center, forging/casting plants, and production/assembly bases allow us to control all business processes to ensure a stable supply chain, rigorous quality control standards, and competitive pricing/delivery options. Approximately 3,500 employees all over the world strive to provide Neway's superior products and excellent service to our customers



Neway adopts the group multi-factory management model and has one major valve assembly plant in China with 230,000m² coverage, one API 6A valve plant, three casting foundries, one forging factory and new plant for Butterfly valve. Neway also











In order to meet the application requirements of valves in different fields, Neway applies advanced software (ANSYS, FE-SAFE, MathCAD, Autodesk Simulation CFD, Foxpro, NX, etc.) for product research and development, and has established professional material laboratory and special engineering test, which can simulate various extreme conditions and lay a solid foundation for the research and development of high-end valves.













Neway implements global marketing and sales strategy, has established sales companies and offices subordinate to China HQ in China and overseas, such as America, Netherlands, Italy, Singapore, UAE and Nigeria, and established strategic partnership with more than 80 overseas agents and distributors around the world.

Quality Guarantee



Neway is committed to providing zero defects valves to our customers and controls quality from order input, production process, final test to on-site service. Neway products obtained all major industrial qualifications including ISO9001, API 6A, API 6D, CE/PED, CU-TR, ASME N & NPT, TA-Luft, ABS, Norsok and fire safe, FE certificate, etc by our continuous efforts. Moreover, Neway has been approved as a qualified supplier by many world famous energy users. With its high-quality products and services, Neway has also been awarded the title of strategic supplier or "Best partner" by many customers.

