

## Project References

### Overseas

NEW STRATEGIC GAS EXPORT PIPELINE FROM NORTH KUWAIT TO MAA PROJECT  
 HURGHADA/SAFAGA 24" GAS PIPELINE PROJECT  
 ASSA NORTH / OHAJI SOUTH - OB3 CTMS GAS PIPELINE PROJECT  
 UZBEKISTAN GAS TO LIQUID PROJECT  
 FIRST GAS COMPRESSION STAGE RECONSTRUCTION AT CHERVONODONETS  
 KIRBY NORTH SAGD PADS KN06 AND KN07 PIPELINE PROJECT  
 WDGC AND TALKHA/ SHABSHEER GAS PIPELINE PROJECT  
 ANDALAS PIPELINE PROJECT  
 MFM MOGAS PROJECT  
 SHELL ARGENTINA PROJECT  
 MARJAN INCREMENT PROJECT

### China Domestic

JINGBO OIL PIPELINE PROJECT  
 GUANGDONG LNG PIPELINE PROJECT  
 QIANJIANG-SHAOGUAN GAS PIPELINE PROJECT  
 ZHEJIANG ZHOUSHAN LNG RECEIVING STATION PIPELINE PROJECT  
 WENCHANG-QIONGHAI-SANYA PIPELINE PROJECT



## Pipeline Transport System

### ■ Pipeline transport plant



## Application Characteristics of Pipeline Transport Valve in System

Valve type	Characteristics	Advantage
Slab Gate Valve	<ul style="list-style-type: none"> <li>Through conduit cylindrical</li> <li>Double block and bleed</li> <li>Bi-directional torque seal</li> </ul>	<ul style="list-style-type: none"> <li>Small flow resistance and reliable sealing</li> <li>Cavity pressure self-relief</li> </ul>
Check Valve	<ul style="list-style-type: none"> <li>Mainly used on non-return pipeline and protect important equipment.</li> <li>Fully opening Swing type, Axial-flow type</li> </ul>	<ul style="list-style-type: none"> <li>Good flow performance and easy operation</li> <li>Fully opening for Pigging</li> </ul>
Triple Offset Butterfly Valve	<ul style="list-style-type: none"> <li>A possible alternative solution for pipelines without through conduit service.</li> </ul>	<ul style="list-style-type: none"> <li>Space saving and weight saving</li> <li>Quick opening with regulating function</li> <li>Triple offset metal seated tight shutoff sealing performance</li> </ul>
Ball Valve	<ul style="list-style-type: none"> <li>Mainly used for guiding and cutting off in pipelines</li> <li>Seat multiple seal</li> <li>DBB or DIB function</li> <li>Underground extension</li> <li>Emergency sealant injection</li> <li>Fully welded type</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for quick open and close conditions.</li> <li>High flow performance</li> <li>Reliable sealing</li> <li>According to the different sealing structure it can also be used for suspended solid particles, crude fluid</li> </ul>

## Application

Pipeline transportation, especially oil and gas long-distance pipeline, has become the mainstream solution of modern energy transportation. The global hub pipeline network will be gradually expanded, indicating the peak of pipeline construction in the upcoming years.



### ■ Natural Gas Transmission



### ■ Crude Oil and Pre-purified Acid Gas Pipelines



### ■ Crude Oil Tank Terminal Pipelines



# Pipeline Transport

Long-distance

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.

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Neway Valve

<http://www.newayvalve.com>

**NWAY**



## Product Range

### Slab Gate Valve

Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
2"-48"	150-2500	RF/ RTJ/ BW	-196°C ~+400°C	Manual/ Motor Pneumatic/ Hydraulic	OS&Y

- Fire safe design
- Cavity pressure self-relief
- Pigging function
- Through Conduit Cylindrical
- Position indication
- Optional fugitive emission design
- Optional Cryogenic design



### Full Open Swing Check Valve

Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
2"-48"	150-2500	RF/ RTJ/ BW	-196°C ~+400°C	N/A	Swing Type

- Ball-like pin structure provide self-alignment, which ensure the stable sealing performance
- 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
- Optional heavy hammer damping device
- Optional soft-seated
- Optional Cryogenic design



### Triple Offset Butterfly Valve

Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
3"-120"	150-2500	WAFER/LUG/ RF/BW	-196°C ~+400°C	Manual / Motor Pneumatic / Electro-hydraulic	N/A

- Fire safety
- The sealing surface disconnects instantly and has a long service life
- Bidirectional sealing
- Short opening and closing time
- Equal percentage flow characteristics can be used to regulate the flow
- Universal sealing ring for easy maintenance
- Optional Cryogenic design



### Axial-flow Check Valve

Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
2"-60"	150-2500	RF/ RTJ/ BW	-196°C ~+400°C	N/A	Axial flow type

- Streamline bore, spindle disc, small pressure drop
- Instant response, no impact, low noise
- High CV, low opening pressure
- Vertical or horizontal installation
- Integrity design without external leakage point
- Optional Cryogenic design
- Fire safe design



### Trunnion Mounted Ball Valve

Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
2"-60"	150-2500	RF/ RTJ/ BW	-196°C ~+400°C	Manual/ Hydraulic Pneumatic	Fully welded/ Side Entry/ Top Entry

- Anti-static design
- Blow-out proof stem
- Cavity pressure self-relief
- Emergency sealant injection
- On-line maintenance can be achieved by top-entry series
- Interchangeable between single piston effect and double piston effect seat
- Optional locking device
- Optional fugitive emission design
- Optional Cryogenic design
- Fire safe design



## Technical Features

### Pipeline Service Valves

- Fire safe design
- Pigging function
- Stem extension
- DBB or DIB function
- Emergency sealant injection
- Seat multiple seal
- High integrity  
(zero leakage, low emission, broken pipe protection)
- On-line valve position observation
- Long service life  
(30 years free of maintenance)
- Certified fugitive emission graphite packing  
(API, ISO, TA-LUFT, SHELL SPEC)

## Certificates of Neway Pipeline Transport Industry Valve

(including but not limited to the following certificates)

- API 6D Certificate
- FE Certificate
- Fire-Safe Certificate
- CE, ATEX Certification for the European Union
- Special Equipment Manufacturing License in China



## 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 Factory

Neway adopts the group multi-factory management model and has one major valve assembly plant in China with 230,000m<sup>2</sup> coverage, one API 6A valve plant, three casting foundries, one forging factory and new plant for Butterfly valve. Neway also has a joint venture factory in Saudi Arabia.



### R&D

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.



### Sales Network

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.

