

Project References

Global
EPCCOM FOR GAS PROCESSING PLANT
THAI OIL CLEAN FUEL PROJECT
BAROSSA FPSO
FPSO MARECHAL DUQUE DE CAXIAS(MERO3)
PA08 WOODSIDE SANGOMAR FPSO
WOODSIDE SANGOMAR FPSO
MAF FISCAL METERING SYSTEM UPGRADE PROJECT
NEW WASH WATER TANK EPCC PROJECT
FPSO EQUINOR BACALHAU PROJECT
PTTEP S1 PWT PACKAGE
ANNA NERY FPSO-MARLIM FIELDS DEVELOPMENT PROJECT
CARRARA PROJECT
BACALHAU
MARJAN INCREMENT PROJECT
CLEAN FUEL PROJECT (CFP).
DESIGN AND CONSTRUCTION OF GAS NETWORK KIZAD PHASE 1
ASSA NORTH GAS PLANT
JUBAIL PROPANE DEHYDROGENATION (PDH) PROJECT
LNG CANADA PROJECT
HEAVY CRUDE OIL REFINING PROJECT 3.7 – HYDROCRACKING UNIT



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Neway Valve

Skids and Modules System



Application Characteristics of Skids and Modules Valve in System

Valve Type	Characteristics	Advantage
Gate Valve	- It is mainly used for fluid flow or cut-off in pipeline, usually not used as flow regulation - Small flow resistance and reliable sealing - Quick open and close conditions are not recommended	- The erosion of sealing surface is smaller than globe valve - It is more suitable for space-constrained installations since of its short face to face length
Globe Valve	Mainly used in isolation, drain and throttling conditions	- The stroke is short and the height space required is smaller 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 all kinds of conditions with good flow performance and easy operation
Ball Valve	- Mainly used for guiding and cutting off in pipelines - Pneumatic actuated and hydraulic actuated ball valves applicable for quick open and close conditions, especially for ESDV system - Eccentric C-Type ball valve is no dead cavity, especially suitable for a lot of solid particles - Manifold ball valve saves space, weight, and enhances sealing performance for compact pipelines	- Good flow performance, reliable Sealing and easy operation, can meet various automation requirements - 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 - Pneumatic actuated butterfly valves 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 - Bi-directional with tight shut off
Plug Valve	It is especially suitable for gas-solid, liquid-solid medium containing suspended matter and solid particles, easy crystallization and scaling medium	The valve cavity is fully filled without dead cavity, media cannot be retained
Control Valve	- A variety of flow characteristic curves and structure are available - Concentric V-type ball control valve could control the medium with Fiber or minute solid particles fluid	High adjustment precision, stable performance

Application

- Onshore Exploration & Production
 - Offshore Topsides Systems
 - Subsea Systems
 - LNG
 - Gas & Liquid Transmission Lines
- Loading/Off-loading & Storage
 - Coal Chemical
 - Fine Chemical
 - Conventional & Innovative Power
 - Nuclear Power
- Mining & Minerals
 - Air Separation
 - Water Treatment
 - New Energy

Metering Station System



Crude Oil Blending Skid



FPSO Topsides Skid System



Skids & Modules

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.



https://www.newayvalve.com

Product Range

Gate Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 4500	RF/ RTJ/ BW/ SW/ NPT	-50°C - +425°C	Manual/ Motor Pneumatic	Solid Wedge/ Flexible Wedge Slab/ Parallel Slide/ Expanding
- Sealing surface overlaying Stellite alloy - With back seat - Blow-out proof stem - Fugitive emission design - Fire-safe & anti-static design - Optional guide surface hardening treatment - Optional with bellow seal - Optional with pressure seal bonnet - Optional with position indicator - Optional locking device					



Globe Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 4500	RF/ RTJ/ BW/ SW	-50°C - +425°C	Manual/ Motor Pneumatic	T-Pattern/ Y-Pattern Angle Pattern
- Sealing surface overlaying Stellite alloy - With back seat - Blow-out proof stem - Fugitive emission design - Fire-safe & anti-static design - Optional regulating function disc - Optional with bellow seal - Optional with pressure seal bonnet - Optional with position indicator - Optional locking device					



Check Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 2500	RF/ RTJ/ BW/ SW	-50°C - +425°C	N/A	Piston/ Swing/ Tilting Dual-plate/ Axial Flow
- Sealing surface overlaying Stellite alloy - Fire-safe & anti-static design - Optional with position indicator - Optional with internally assembled hinge pin for swing and dual-plate type - Optional with pressure seal bonnet for piston, swing and tilting					



Butterfly Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
2" - 24"	150 - 2500	Wafer/ Lug/ RF/ RTJ	-35°C - +425°C	Manual/ Motor Pneumatic	Concentric/ Triple offset Double offset
- Bi-directional zero leakage - Low torque & low friction, longer life - No connect pin between disc and stem - Double sliding bearing - Anti-stem blow out - Optional fugitive emission design					



Ball Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 2500	RF/ RTJ/ HUB	-50°C - +425°C	Manual/ Motor Pneumatic	Floating/ Trunnion Mounted Manifold/ Eccentric C-Type
- Fire-safe & anti-static design - Blow-out proof stem - Locking device - Fugitive emission design - Optional DBB, DIB-1 or DIB-2 - Optional cavity pressure self-relief valve or emergency sealant injection - Optional 3mm thick weld overlay on seat pocket and stem seal - Optional dustproof for dynamic seal and bearing - Optional Side Entry or Top Entry					



Plug Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 600	RF	-50°C - +204°C	Manual/Pneumatic/Motor	Bushing
- Conical Plug - Self-lubricating bushing - Sealing adjustable - Soft seal +card sleeve hard seal packing - Blow-out proof stem - Locking device - Fugitive emission design					



Low Temperature and Cryogenic Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 2500	RF/ RTJ/ BW/ SW/ Wafer/ Lug	-196°C - -50°C	Manual/ Motor/ Pneumatic	GGC/ Ball/ Butterfly
- Fire-safe & anti-static design - Fugitive emission design - Extended bonnet with drip plate design except for check valve - Cavity self-relief pressure for gate or ball valve					



High Temperature Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 2500	RF/ RTJ/ BW/ SW/ Wafer/ Lug	425°C - 816°C	Manual/ Motor/ Pneumatic	GGC/ Ball/ Butterfly
- Fire-safe & anti-static design - HVOF for ball valve, others overlaying Stellite alloy - Extended bonnet design except for check valve - Optional with heat dissipation plate - Optional non-extended bonnet design - Optional fugitive emission design					



Oxygen Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 900	RF/ RTJ/ BW/ SW/ Wafer/ Lug	-196°C - +200°C	Manual/ Pneumatic	GGC/ Ball/ Butterfly
- Smooth, no edges and mutations cavity - Oil prohibition and degreasing - With conductive design - IP67 and above gearbox - Fugitive emission design - Optional nonmetallic material BAM certification					



Hydrogen Gas Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 2500	RF/ RTJ/ BW/ SW	-50°C - +550°C	Manual/ Motor/ Pneumatic	GGC/ Ball
- Fire-safe & anti-static design - Fugitive emission design - Kill steel used - Strict control C. S. P content and CE - Optional bellow seal or welding bonnet					



Control Valve					
Size(IN)	Pressure Range(CLASS)	End Connection	Temperature Range	Operation	Structral Style
1/2" - 24"	150 - 2500	RF/ RTJ/ BW/ SW	-50°C - +425°C -196°C - +200°C	Pneumatic/ Motor	Globe/ Ball Butterfly
- Fire-safe & anti-static design - Fugitive emission design - Optional flow curve is liner or logarithmic - Optional single-seated, sleeve or cage type for straight travel control valve - Optional bellow seal for straight travel control valve					



Technical Features

In order to meet new requirements from the continuous development of skids and modules, Neway valves have the following features:

- For not low temperature liquid fluid, they can be installed at any Angle from vertical to horizontal, so that customer can maximize optimization the site design.
- Neway valves are designed compactly from internal structure to entire drive chain , which can reduce occupying site space to help customer save valuable space resources.
- Neway valves are designed to be lighter, because Neway use a lot of higher specific strength materials to help reduce weight of entire skid and module, making it easier to transport.
- When customer need, Neway can customize valve group for you, not only to help you save space and reduce weight, but also to improve assembly efficiency.
- Neway check valves and control valves are specially designed to shorten length of the straight pipe, making customer's site design more compact.
- Neway valves are designed with vibration resistant materials and structures to reduce damage caused by mechanical vibration or unavoidable collisions during transportation.
- When shipping, if necessary, Neway can spray surface with Marine environment resistant paint.
- Easy replacement and maintenance.

Certificates of Neway Skids and Modules Valve

(including but not limited to the following certificates)

- Classification society, DNV/ABS/ BV/LR/RS, certified valve & material
- NORSOK qualified raw material and painting facility & procedure control
- Special Equipment Manufacturing License in China
- FE certificate
- CE, ATEX Certification for the European Union
- Fire-Safe Certificate
- BAM Certificate
- SIL 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 Factory

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 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 globally, 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.

