Design Features

Metal-to-metal Seats

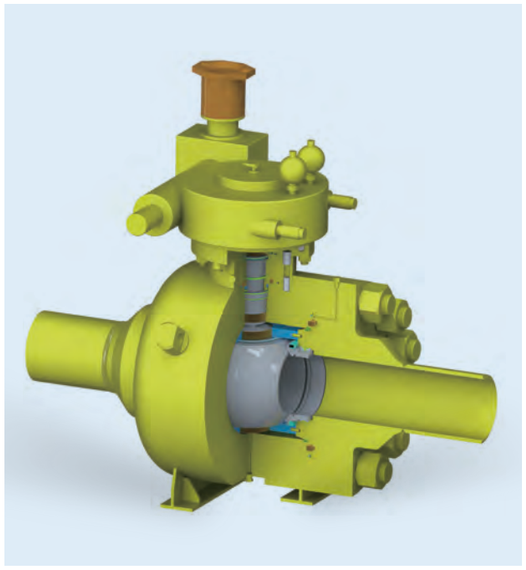
Subsea valves generally use metal to metal seats, with the surface hardened. The valves obtain the optimal sealing surface structure according to the finite element analysis of seal pressure and contact condition of the sealing surface. Metal–to–metal seats are character–ized by long service life, free from maintenance. The sealing surface of the valve seat can effectively resist the erosion of foreign objects.

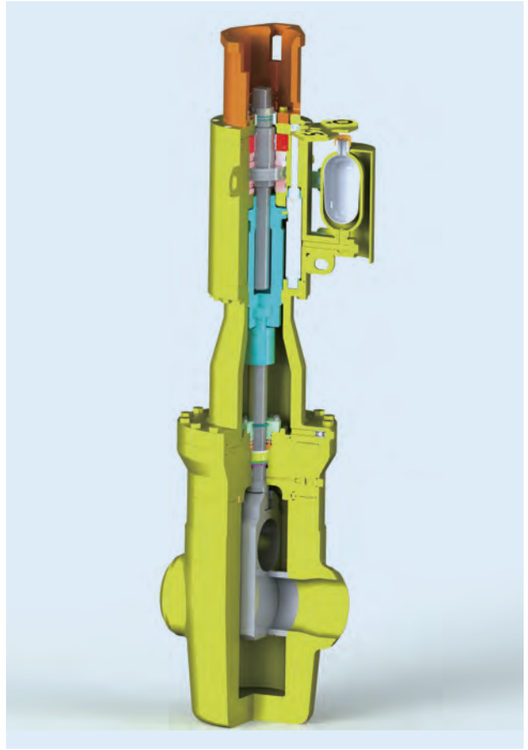
Prolonged Life Soft Seals

Compared to O–rings, Lipseal of PTFE enjoys superior chemical and ageing resistance, insusceptible to explosive decompression in gas service. That’s why lipseal would be of better choice.

Metal Ring Joints

Metal ring joint, as primary seals of flanges, can seal against internal service fluid pressure and external pressure from ocean. It is made up of corrosion resistant alloy with excellent sealing performance and long usage life to serve as a desirable solution to the leak paths to the environment.





Multi-seal Stem Sealing Solution

Stem packing is the most vulnerable area as it is structured in dynamic sealing. We choose imported high–performance plastics packing assembly as the primary seal and multi–channel O–ring as auxiliary seal to form stem seal system. The guide belt and the bearing can decrease stem wear and reduce the friction force by making no metal–to–metal contact between stem and cap in motion. This multi–seal configuration ensures longer service life for the subsea valve and achieves “zero leakage”.

The Linear Type Driving Device

The driving device can meet the requirements of any water depth through the design of pressure balancer. The key parts are designed to ensure the sealing performance by multichannel dynamic sealing. Specially designed highlighting position indicator can prevent the attachment of marine microorganisms. The gear box is equipped with standard ROV interface.

ISO 13628-8 ROV Interface

Valves are provided with standard ROV interface as per ISO 13628–8. And Neway could provide extension rod and other components to meet the customer's personalized operation needs.

Cathodic Protection

The design all metallic components ensure the electrical continuity; every valve, actuator and other connection devices can be linked to cathodic protection system.

Product Range

Ball Valve

Design Standard：API 6DSS, or upon request
Size：2”~48” (DN50~DN1200)
Class Rating：Class 150~Class 2500
Design depth：up to 3000m
Valve Type：Side Entry, Top Entry
Actuator：Gearbox, Hydraulic, etc. (ROV interface are all available)
Application：Subsea Manifold / PLEM / PLET / Subsea Transport Pipeline / Other Subsea Production system

Gate Valve

Design Standard：API 17D, API 6A, upon request
Size：2”~9” (DN50~DN225)
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)
Application：Subsea Manifold / PLEM / PLET / Subsea Transport Pipeline / Other Subsea Production system

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) and ERP management system. Additionally, the data through all factories has been connected and shared. These facilitate resource integration, boost productivity, evidently enhancing machining quality and tightening process control. Neway has established hyperbaric chamber test equipment with 3000m water depth capability to satisfy the testing requirements of subsea valve.

Multi-tasking CNC from Mazak

Hot-wire TIG Automatic Cladding System

Test Capability

PR2 Test Equipment

1#Equipment Name：PR2 climatic testing chamber
1#Function description：PR2 temperature cycling house
1#Room size：4000×2500×3200（mm）
1#Temperature range：–60℃~+150℃

2#Equipment Name：PR2 climatic testing chamber
2#Function description：PR2 temperature cycling house
2#Upper room size：1300×1000×2000（mm）
2#Lower room size：1300×1000×900（mm）
2#Temperature range：Upper room：–50℃~+150℃
Lower room：–50℃~+150℃

Hyperbaric Chamber Test Equipment

Max. test water depth：3000m
The diameter of hyperbaric chamber：2400mm
Effective depth of hyperbaric chamber：3500mm
Valve operation：Remote control

Quality Assurance

Quality Control

Neway quality assurance is to provide customers with zero–defect valves. Neway, through Six Sigma quality management and the advanced data statistical analysis, continuously improve process control management ability. Meanwhile, for the quality control of subsea valve products, Neway has prepared a comprehensive manufacturing process quality management program applicable to subsea valve per associated standards and manufacturing requirements.

Qualification Certificate

Each step, witness the advanced professional management of Neway Valve.

ISO9001

API 6A

API 17D

API 6DSS

NEWAY VALVE (SUZHOU) CO.,LTD.

Add：No.666 Taishan Road,Suzhou New District, P.R. China
Tel：0512–666–51365
Fax：0512-66618930-2102

E–Mail：overseas.sales@neway.com.cn
http：// www.newayvalve.com
Post Code：215129

Subsea Valves

Subsea valve, the valve used in shallow water or deep water, typically application: subsea manifold, PLEM, PLET, single buoy mooring systems and other subsea production system.

NEWAY

– Complete Solutions for Industrial Valves –

360°

Support and Service

As a global leader of valve manufacturer and exporter,Neway is dedi–cated to the production and research. Neway’s product portfolio includes Gate, Globe, Check, Ball, Butterfly, Control, Nuclear, Safety and wellhead equipment. Neway valves are utilized in a wide vari–ety of industries and working con–ditions such as Gas, Oil, Refining, Chemical, Coal Chemical, Offshore, FPSO, Air Separation, LNG, Nuclear Power, Power Generation, Pipeline Transmission and other fields.