



IGAWARA CORPORATION PTE LTD

井河原私人有限公司

MARINE & PROCESS VALVES DIVISION



QUALITY POLICY

We deliver bias-free customer satisfaction
through the effective implementation of
ISO 9001 and **AS9120**
Compliant quality systems

We shall:



Never compromise quality or put profit above our quality management system.



Conduct stringent checks on the reliability of customers and vendors.



Only engage in businesses where long term relations with customers and vendors are sustainable for the mutual benefit of all parties.



Adhere to customer requirements and specifications to achieve total customer satisfaction.

Service with a Difference

- Delivering service that consistently exceeds expectations
- Providing comprehensive, end-to-end integrated solutions
- Ensuring reliable performance for critical operations
- Driven by expert engineering and strict quality control
- Manufactured in compliance with global ISO standards
- One trusted partner from concept to completion
- Proven track record across international projects
- Extensive experience in global trade and logistics
- Delivering value through cost efficiency and reliability
- Rapid response with solutions tailored to your needs



OUR POSITIONING

RELIABLE MARINE & OFFSHORE VALVE SOLUTIONS

We connect qualified Chinese valve manufacturers with the requirements of the global shipbuilding and offshore engineering industry.

With access to a broad product portfolio, qualified manufacturing capabilities and internationally recognized certifications, we provide reliable valve sourcing, technical coordination and project support for shipyards, EPC contractors and marine customers worldwide.

From standard marine valves to specialized solutions for demanding offshore applications, we help customers identify the right products, coordinate technical requirements, verify quality and manage delivery throughout the project lifecycle. Our goal is simple: to make Chinese valve technology a reliable, competitive and globally accessible solution for the marine industry.

WHAT WE STAND FOR

- **SHIPYARD-FOCUSED**

Solutions for demanding marine applications, including LNG carriers, FPSOs, VLCCs and offshore platforms.

- **FULL PRODUCT COVERAGE**

Gate, globe, check, ball, butterfly and cryogenic valves, covering a wide range of sizes, pressure classes and service conditions.

- **GLOBAL STANDARDS**

Products manufactured to recognized standards including GB, ANSI, API, DIN, BS, JIS and other project-specific requirements.

- **MARINE CERTIFICATION**

Products available with ABS, BV, DNV, CCS and other applicable approvals, subject to product type and project requirements.

- **QUALIFIED CHINA SOURCING**

Access to capable Chinese manufacturers, competitive pricing and broad production capacity, selected according to project requirements.

- **GLOBAL PROJECT SUPPORT**

Technical coordination, documentation, inspection, quality follow-up, logistics and export delivery from qualified suppliers to international customers.



TRUSTED PERFORMANCE. GLOBAL COMPLIANCE. ON-TIME DELIVERY.

MARINE & SHIPYARD APPLICATIONS

VALVES FOR THE COMPLETE MARINE SYSTEM

From engine rooms to cargo systems, ballast lines and LNG applications, our valve portfolio covers a wide range of shipbuilding and offshore requirements, delivering reliable performance in critical marine applications.

VESSEL TYPES WE SERVE

- Commercial Shipping
Container Ships · Bulk Carriers · Tankers · VLCC/ULCC · Chemical Tankers
- Passenger & Ro-Ro
Cruise Ships · Ro-Pax · Ferries
- Gas Carriers
LNG · LPG · VLEC · LNG Bunkering
- Offshore Units
FPSO · FLNG · Semi-Submersibles · Jack-Ups · Production Platforms

KEY MARINE SYSTEMS & OUR VALVE APPLICATION

Marine System	Our Valve Solutions
Ballast Water Management	Butterfly Valve, Ball Valve
Seawater Cooling	Butterfly Valve, Gate Valve
Fire Fighting System	Gate Valve, Butterfly Valve
Fuel Oil System	Globe Valve, Ball Valve, Check Valve
Lubricating Oil System	Globe Valve, Check Valve
Steam & Condensate	Gate Valve, Globe Valve, Check Valve
Cargo Handling (LNG/LPG)	Cryogenic Ball Valve, Gate Valve, Check Valve, Globe Valve
Bilge & Drainage	Check Valve, Gate Valve
Low-Temperature Gas System	Cryogenic Butterfly Valve, Ball Valve
FPSO/FLNG Utility Systems	Ball Valve, Gate Valve, Check Valve, Butterfly Valve

OUR ADVANTAGE

- Full temperature coverage
-196°C (LNG) to 900°C (steam/thermal oil)
- Full pressure coverage
Class150 to Class2500 (42.0 MPa)
- Full size coverage
DN15 to DN4000 (½" to 160")
- International Standards
GB · ASME · API · DIN · BS · JIS
- Class-approved
ABS, BV, DNV, CCS with fire-safe, low-leakage, and SIL certifications

PRODUCT PORTFOLIO

MARINE VALVE PORTFOLIO

Designed to support both standard shipboard systems and demanding special applications, our comprehensive valve range combines reliable performance, versatile design and proven engineering capability across diverse marine operating conditions.

STANDARD VALVES

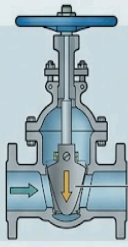
- **GATE VALVES**
For reliable isolation in seawater, ballast, fuel, steam and utility systems.
- **GLOBE VALVES**
For dependable shut-off and flow regulation in demanding marine services.
- **CHECK VALVES**
Designed to prevent reverse flow and protect critical piping systems.
- **BALL VALVES**
Compact, reliable quarter-turn solutions for isolation and process applications.
- **BUTTERFLY VALVES**
Lightweight and space-efficient solutions for large-diameter marine piping.

SPECIALIZED VALVES

- **CRYOGENIC VALVES**
LNG, LPG & VLEC applications down to -196°C.
- **HIGH-TEMP & WEAR-RESISTANT VALVES**
For thermal oil, abrasive and high-temperature services up to 900°C.
- **DRAINAGE & BILGE VALVES**
For bilge, drainage and tank cleaning systems.
- **CUSTOM-ENGINEERED VALVES**
Special sizes, alloys and actuated solutions for offshore & FPSO applications.

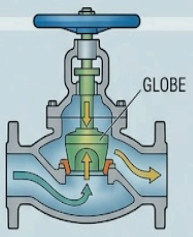
STANDARD VALVES

1



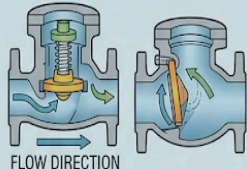
GATE VALVES
For reliable isolation in seawater, ballast, fuel, steam and utility systems.

2



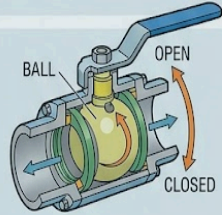
GLOBE VALVES
For dependable shut-off and flow regulation in demanding marine services.

3



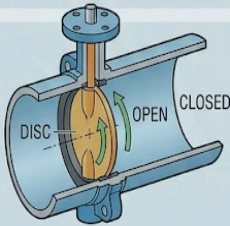
CHECK VALVES
Designed to prevent reverse flow and protect critical piping systems.

4



BALL VALVES
Compact, reliable quarter-turn solutions for isolation and process applications.

5



BUTTERFLY VALVES
Lightweight and space-efficient solutions for large-diameter marine piping.

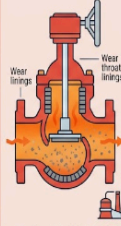
• **SPECIALIZED VALVES**

CRYOGENIC VALVES



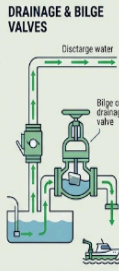
• Engineered for LNG / LPG.
• Operation to -196°C.

HIGH-TEMP & WEAR-RESISTANT VALVES



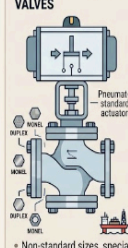
• For thermal oil & abrasives.
• To 900°C.

DRAINAGE & BILGE VALVES



• For bilge, drainage, tanks.
• Safe compartments.

CUSTOM-ENGINEERED VALVES



• Non-standard sizes, special alloys (e.g., Duplex).
• FPSO / offshore use.

SELECTED PROJECT REFERENCES

01. BRAZIL

PETROBRAS P78 FPSO — BÚZIOS FIELD

- Valve Application:
Ball · Gate · Check · Process Valves
- Project Profile:
Deepwater FPSO
- Key Features:
High-pressure pre-salt production, critical process isolation and extensive offshore utility systems.
- Valve Advantages:
High-integrity sealing, fire-safe options, corrosion-resistant materials and stringent QA/QC.
- International Benchmarks:
Cameron · Flowserve · Valmet



02. BRAZIL

PETROBRAS P82 FPSO — BÚZIOS FIELD

- Valve Application:
Butterfly · Ball · Process Valves
- Project Profile:
Large-scale Deepwater FPSO
- Key Features:
Large-diameter process and seawater/utility applications.
- Valve Advantages:
Low pressure loss, high mechanical strength, corrosion resistance and high-cycle performance.
- International Benchmarks:
Bray · Flowserve · Cameron



03. GUYANA

EXXONMOBIL LIZA PROSPERITY FPSO

- Valve Application:
Ball · Butterfly · Gate · Isolation Valves
- Project Profile:
Deepwater FPSO
- Key Features:
High-pressure offshore production with demanding process and utility systems.
- Valve Advantages:
Reliable isolation, tight shut-off, fire-safe design and corrosion-resistant construction.
- International Benchmarks:
Cameron · Flowserve · Valmet



SELECTED PROJECT REFERENCES

04. BRAZIL

EQUINOR BACALHAU FPSO

- Valve Application:
Ball · Butterfly · Process Isolation Valves
- Project Profile:
Deepwater FPSO
- Key Features:
Ultra-deepwater pre-salt production and high-capacity offshore processing.
- Valve Advantages:
High-pressure capability, robust sealing, corrosion resistance and long-term offshore reliability.
- International Benchmarks:
Cameron · Cameron · Flowserve · Valmet



05. SURINAME

SBM OFFSHORE — GRANMORGU FPSO

- Valve Application:
Process · Isolation · DBB Valves
- Project Profile:
Fast4Ward® FPSO
- Key Features:
New-generation standardized FPSO platform for deepwater production.
- Valve Advantages:
Compact isolation design, double-block-and-bleed capability, high reliability and project standardization.
- International Benchmarks:
Cameron · Velan · Flowserve



06. AUSTRALIA

CHEVRON JANZ-10 FCS PROJECT

- Valve Application:
Triple-Offset Butterfly Valves
- Project Profile:
Offshore Gas Compression
- Key Features:
High-performance isolation for offshore gas compression service.
- Valve Advantages:
Tight shut-off, low operating torque, high-cycle capability and suitability for automated operation.
- International Benchmarks:
Bray · Flowserve · Valmet



SELECTED PROJECT REFERENCES

07. MALAYSIA

PETRONAS KASAWARI GAS DEVELOPMENT

- Valve Application:
Ball · Gate · Globe · Butterfly · DBB · Check
- Project Profile:
Offshore Gas Development
- Key Features:
High-pressure gas processing and critical offshore isolation systems.
- Valve Advantages:
High-integrity isolation, DBB technology, fire-safe options and corrosion-resistant materials.
- International Benchmarks:
Cameron · Velan · Flowserve



08. AUSTRALIA

SHELL QCLNG PROJECT

- Valve Application:
Cryogenic Gate · Globe · Check · Ball
- Project Profile:
LNG / Gas Processing
- Key Features:
Large-scale LNG infrastructure involving low-temperature service.
- Valve Advantages:
Cryogenic performance, low-temperature sealing, reliable operation and specialized material selection.
- International Benchmarks:
Velan · Flowserve · KITZ



09. AUSTRALIA

SHELL PRELUDE FLNG

- Valve Application:
Cryogenic · Ball · Gate · Globe · Check
- Project Profile:
Floating LNG
- Key Features:
Offshore LNG production with extreme low-temperature and marine operating conditions.
- Valve Advantages:
Cryogenic capability down to approximately -196°C , reliable sealing and low operating torque.
- International Benchmarks:
Velan · Flowserve · KITZ



SELECTED PROJECT REFERENCES

10. QATAR

QATAR LNG / NORTH FIELD OFFSHORE PROJECTS

- Valve Application:
Ball · Gate · Globe · Butterfly · Check
- Project Profile:
LNG / Offshore Gas
- Key Features:
Large-scale LNG expansion with stringent offshore and LNG specifications.
- Valve Advantages:
High-pressure capability, corrosion resistance, fire-safe design and low-emission options.
- International Benchmarks:
KITZ · Velan · Flowserve



11. ANGOLA

OFFSHORE FPSO — BLOCK 15/06

- Valve Application:
Ball · Butterfly · Control · Actuated Valves
- Project Profile:
FPSO / Offshore Oil & Gas
- Key Features:
Offshore production and process systems operating in a harsh marine environment.
- Valve Advantages:
Reliable actuation, tight shut-off, corrosion-resistant materials and maintainability.
- Cameron · Flowserve · IMI

12. BRAZIL

PETROBRAS OFFSHORE FPSO DEVELOPMENT

- Valve Application:
Large-Diameter Butterfly · Ball · Gate Valves
- Project Profile:
Offshore Production & Utility Systems
- Key Features:
Large-scale seawater, cooling, firewater and utility applications.
- Valve Advantages:
Large-size capability, low pressure drop, robust construction and reliable long-cycle operation.
- International Benchmarks:
Bray · KSB · Flowserve

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OUR BUSINESS COVERAGE 我们的业务范围



Oil & Gas E&P



Petrochemical / Refineries



Aerospace



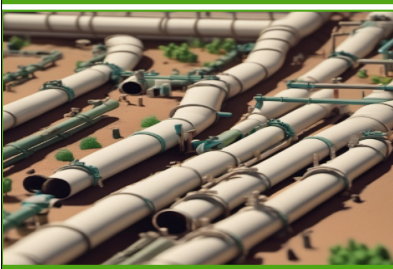
Energy Generation



Nuclear



Marine & Offshore



Cross Country Pipeline Projects



Automobile



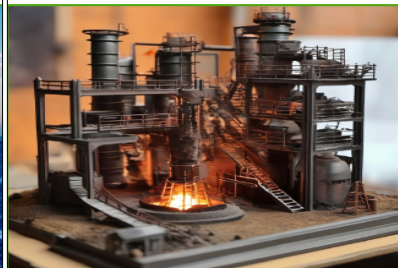
Water Treatment & Desalination Plants



Infrastructure



Renewable Energy



Smelting Plant



Precision Engineering Equipment



Data Center



Pulp & Paper



LNG



Construction Industry



Industry Plants



Chemical / Pharmaceutical Plant



Laser Cutting, Robot

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