



-  Algeria
-  Angola
-  Bahrain
-  Benin
-  Brazil
-  Brunei
-  Cameroon
-  Congo
-  France
-  Gabon
-  Ghana
-  Italy
-  Ivory Coast
-  Kuwait
-  Malaysia
-  Morocco
-  New Zealand
-  Nigeria
-  Norway
-  Oman
-  Qatar
-  Saudi Arabia
-  Singapore
-  Spain
-  Togo
-  UAE
-  USA
-  Yemen

-  Govt. Designated Star Export House
-  Govt. Recognised In-House R&D Center
-  100% Export Oriented Unit
-  Shell TAMAP 2-Star Vendor
-  ISO, CE, ATEX, SIL3 Certified

HAWA VALVES – UAE
Hawa Valves Middle East FZE.
A4-1022, Building No. A4,
Al Hamra Industrial Free Zone- FZ, RAK,
United Arab Emirates.
E : info@hawavalves.com

HAWA VALVES – USA
Hawa Valves USA LLC.
23543, Deep Cliff DR, Katy TX 77494 - 2809
E : info@hawavalves.com

 hawavalves.com

In accordance with our policy to strive for continuous improvement of the product, we reserve the right to alter the dimensions, technical data and information included in this catalogue when required.
Information provided here is strictly confidential, and is meant for a limited circulation only. Not meant for publication.
Copyright © 2001 to 2020 by Hawa Valves. The data furnished here is protected by copyright laws. Reproduction in any manner, in whole or part is prohibited.
HAWA® and Hawa Logo with Tick are registered trademarks of Hawa Valves.





Your gateway
to the world's latest
innovations in
valve technology.™

Index

- Introduction 01 - 02
- Certification 03 - 04
- Team Hawa 05
- HSE 06
- Clientele Worldwide 07 - 08
- User Industry 61 - 62
- Projects 63
- Experience & References 64
- System and Process Audit 65 - 66
- Global Network 67 - 68

✓ Manufacturing Capabilities

- R&D Centre 09 - 10
- Design Centre 11 - 12
- Quality Control Processes 13 - 14
- Machining Facility 15 - 16
- CRA & Hard Facing Overlay Facility 17 - 18
- Assembly Facility 19 - 20
- Testing Facility 21 - 24
- Painting & Blasting Facility 25 - 26
- Marking, Tagging, Packing 27 - 28
and Dispatch Facility

✓ Product Range

API 6A Valves

- Trunnion Mounted Ball Valves 29 - 30
- Gate Valves 31 - 32
- Globe Valves 33 - 34
- Check Valves 35 - 36
- DBB Valves 37 - 38
- Trunnion Mounted Ball Valves 39 - 40
- Fully Welded Ball Valves 41 - 42
- Floating Ball Valves 43 - 44
- Dual Plate Check Valves 45 - 46
- Gate Valves 47 - 48
- Globe Valves 49 - 50
- Check Valves 51 - 52
- SDBB Instrumentation Interface Valves 53 - 54
- Plug Valves 55 - 56
- Butterfly Valves 57 - 58
- HIPPS Valves 59 - 60



Striding towards excellence

HAWA VALVES are manufacturers and exporters of valves for specialized fields such as Oil & Gas Upstream (Offshore, Onshore, FPSO, FLNG) and Downstream (Petrochemical, Power, Pipeline, Distribution), Marine and General Industry. We have four manufacturing facilities. Our four factories and Technical Team cater to large and technically complex orders with an in-house super specialty ERP online system. We are an ISO 9001:2008 certified company, ISO 14001:2004, OHSAS 18001:2007, SIL3, CE/PED and ATEX compliant. Hawa Valves are designated EXPORT ORIENTED UNIT (EOU) and STAR EXPORT HOUSE, Ministry of Science & Technology as an "In-House R&D Center" and the Certificate of Recognition is available for review if required.

The strength of HAWA VALVES has been its ongoing mission to advance with technology. HAWA VALVES provides a complete line of standard and custom designed solutions for difficult applications. The company is committed to product innovation, engineering excellence, precision manufacturing, 100% quality testing and hands-on technical assistance to the customer. HAWA VALVES has now been supplying quality valves to the world market, with exports to over 40 countries so far. Times have changed, but our commitment to quality and service remains.

Every product carries our name and with it the assurance that every person in our organization subscribes to - QUALITY.

Not just product quality, but quality in the way that we choose to do business, quality in the way that we deal with our own personnel, quality in the way that we deal with our suppliers and ancillaries, and very importantly quality in the way that we treat our customers, both potential as well as existing. We strive to imbibe this sense of commitment to quality down the rank and file of the organization.

Javed A. Hawa
Managing Director



Saudi Hawa Factory (Under Construction)
Dammam, Kingdom of Saudi Arabia



Certification



ISO 9001 : 2008 Certificates



ISO 14001:2004 Certificate



OSHAS 18001:2007 Certificate



Shell Certificate of Appreciation



Star Export House



R&D Certificate



SHELL TAMAP Certificates For Various Types Of Valves



ATEX Certificates



Achilles Certificate of Qualification

Throughout the years, HAWA has developed its Quality System which is an integral part of our manufacturing policy. Our primary goal is to provide products that meet and exceed market standards. In this sense, HAWA is an ISO-9001:2008 Certified Company that has achieved major certifications worldwide. Our system includes the selection of raw materials from approved vendors and rigorous oversight of our manufacturing process that is vital to quality control.



CE Certificate



Fire Test Certificates for Complete Range Of Valves



Fire Test Certificates for Complete Range Of Valves



SIL3 Certificates for Ball & Butterfly Valves





Team Hawa



HSE
(Health, Safety and Environment)



The health, safety of our people is paramount and is a core function that we have committed ourselves to. Our environment is equally important in the world we live in today.

Constant training keeps our people on their toes and able to respond adequately in case there is any situation that needs an appropriate response.

Lost Time due to Injury (if any) is logged and strictly monitored by the Top Management. We have innovative plans to enthuse people to work safer and ensure that ultimately the company is a winner because people feel more secure about coming to work at Hawa. We genuinely care, and we show it!



Clientele Worldwide



Shell



Saudi Arabian Oil Company



Petroleum Development of Oman PDO
(A Shell Group Company)



Abu Dhabi Company for Onshore Oil Operations



Kuwait Oil Company



Petroleum Nasional Berhad



Abu Dhabi Gas Industries Ltd. (GASCO)



Petrobras



Oil & Natural Gas Co. Ltd.



Turkmengaz



Abu Dhabi Gas Liquefaction Ltd.



Zadco-zakum Development Company



Talisman Malaysia Ltd.



Borouge Pvt. Ltd.



Abu Dhabi Oil Refining Company



MODEC



SAUDI ARAMCO TOTAL REFINING & PETROCHEMICAL (SATORP)



Qatar Petroleum



SASOL



SBM Offshore



Nuclear Power Corp. of India Ltd.



Bumi Armada



Ecopetrol



Amerada Hess, Indonesia



Origin Energy



Occidental Of Oman (OXY)



Sirte Oil Company



Ghana National Petroleum Corporation



Saudi Electricity Company



Hindustan Petroleum



Daleel Petroleum LLC



Saudi Aramco Mobil Refinery Company



Gujarat State Petronet Ltd.



Indian Oil Corporation Ltd.



Engineers India Ltd.



Technip



Chiyoda



ABB



Technicas Reunidas



National Petroleum Construction Company



Petrofac



Daewoo E & C



Saipem



Toyo Engineering Corporation



Samsung Engineering



Mitsubishi Heavy Industries



Hyundai Heavy Industries



Prosep



Dresser Rand



S K E & C



Veolia Water



Aker Solutions



Worley Parsons



Dodsai

HAWA Valves specialty solutions are exported to 40 countries worldwide also designated 100% Export Oriented Unit and Star Export House by Government of India. The company's growth in these markets is the evidence of its international vocation and its competitiveness in terms of quality of the products and pricing. Major End Users and Engineering Companies across the world chose our applications for the Oil and Gas & Energy industry and our own customer focus, extended knowledge base, highly flexible manufacturing capabilities. HAWA VALVES is proud of working with some of the most important end user worldwide and with a long list of primary Engineering Companies.



John Wood Group PLC



Siemens



Thales



Oil India Limited



Fluor



Jacobs



L & T Hydrocarbon



Malaysia Marine & Heavy Engineering



Bharat Heavy Electricals Ltd.



Mott MacDonald



Alderley



Sepco Electric Power Construction Corporation



McDermott



Gail



SNC-Lavalin

* All Logos displayed here are for illustration purpose only and remain the intellectual properties of all their respective owner companies internationally.



Govt. of India Approved
In-House Research & Development Center

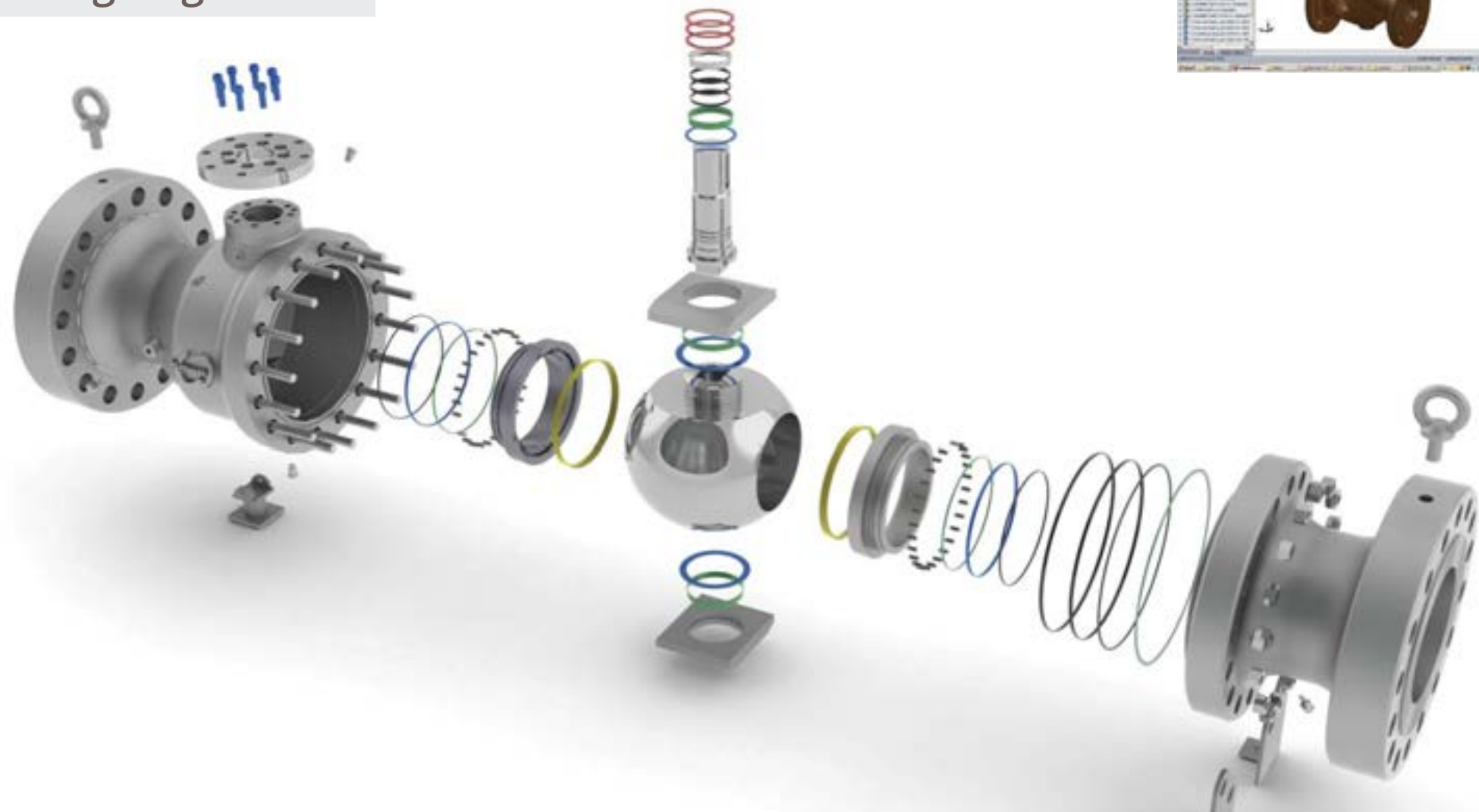


Hawa Valves has established a dedicated Research & Development Center with the aim of securing our future. We recognize that the industry scenario is ever-changing with constant evolution of demanding applications. The end-users are looking for products which will meet and exceed their requirements. New green technologies in the Energy Sector such as LNG now demand valves with the ability to operate at Cryogenic Temperatures, and our R&D Center is at the forefront of proving and implementing these stringent and difficult applications in near-to-actual conditions. Meanwhile, our existing products continue to inspire confidence in the minds of the users as we are able to prove that we put even established designs through the paces from time to time.





State-of-the-art
Designing Center



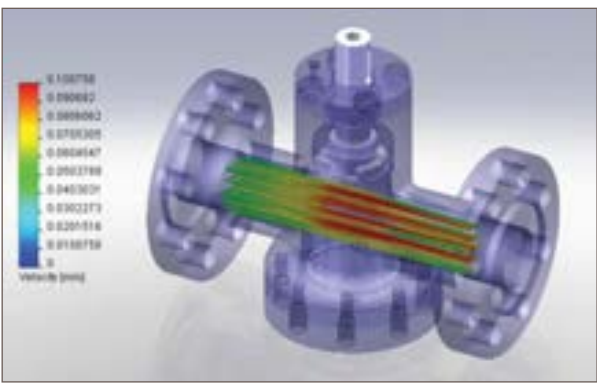
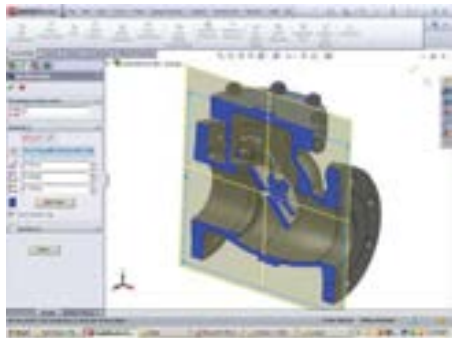
Globe Valve - 3D Model



Plug Valve - Kinematic Motion Study

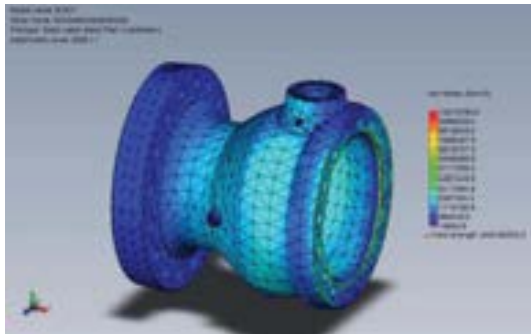
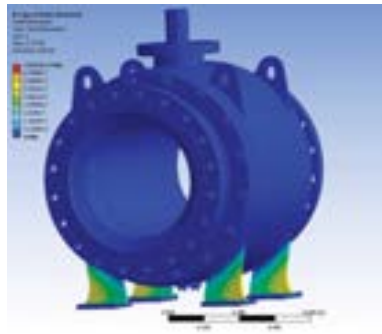
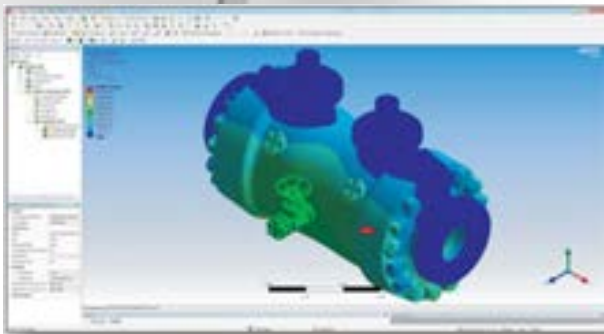
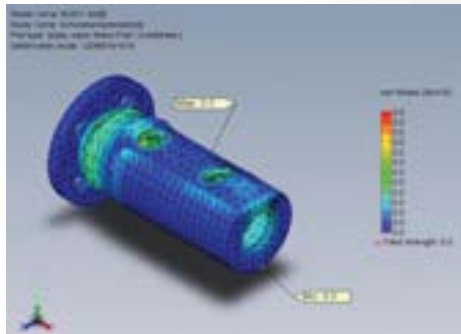
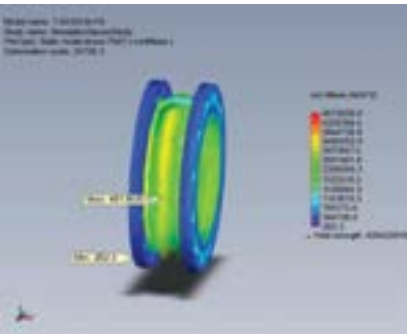
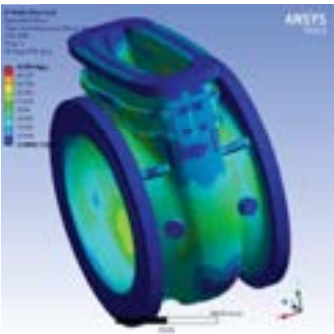


Swing Check Valve for internal visualization



HAWA products are manufactured following the strict International Standards recognized all over the world, such as API, ASME, ASTM, MSS – SP, ISO, NACE, BSEN, AWWA, PED, ATEX, BS, EEMUA among others. Our Engineering team consistently monitors updates to these standards and incorporates any applicable changes that affect the design, regulations and/ or performance of our products.

Our designs are made using the most advanced technology and equipment such as Solid Works®, Autocad®, Inventor®, PDM® and Finite Elements by Ansys® system programmes to ensure proper assembly and performance. From conception to calculation to detailed drawing for manufacturers. HAWA is a leader in development of new products that meet the needs of the customer requirement.





Quality Control Processes

X – Ray Examination Equipment

Hawa has its own source in house facility for evaluation of radiographic (RT) films of casting 0.100" up to 2 ½" wall thickness to verify the soundness of the casting raw material.

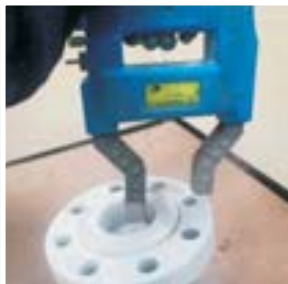


PMI Equipment

A new generation of Positive Material Identification Equipment gives HAWA, the capability to perform quick chemical analysis on incoming raw materials and on pieces after assembly.

Magnetic Particle Test

On a random basis for standard products or when a Customer requests MT Certification, HAWA has Magnetic Particle Test Equipment to perform on ferromagnetic materials.



Penetrant Test Examination

HAWA has the personnel and materials to perform PT examination by solvent removable or water washable techniques. NDT personnel are ASNT Certified.

Antistatic Test

This test exposes Electrical conductivity is achieved by fitting a positive contact device between the Stem, Ball and Bonnet.



Hardness Test Equipment

In both lab and shop tests, HAWA uses hardness tester equipment, such as Rockwell B, C Brinell to ensure compliance with specifications.

Ultrasonic Testing Equipment

Using this technique, we can detect sub surface flaws in materials and evaluate castings and forgings that cannot be radiographed. In addition, we utilize these techniques to measure the wall thickness also.



Ferrite Test Equipment

In both lab and shop tests, HAWA uses hardness tester equipment, such as Rockwell B, C Brinell to ensure compliance with specifications.

Incoming Material Dimension Check

Using the proper tool, inspect each and every material to ensures our ability to trace measurements, control products, and comply with international standards.



Fire Test Facilities

HAWA has the facilities to perform fire tests in accordance with API requirements. The test exposes the valve to a fire flame at 1400 to 1800°F (761 to 980°C) to verify proper seal of the valve.



Accurate 3D digital dimension analyses, tool certifications, CAD comparison and more, using sophisticated Portable Coordinate Measuring Machines (CMM).

Every product from HAWA VALVES has to pass through Quality tests at every stage and hence the product arrives at the site as a fully functional component. Initial design, Pattern making, Casting, Machining, Assembly, Testing as well as Specialized Coating are some of the many processes which are IN-HOUSE at HAWA VALVES. Direct control of all manufacturing processes ensures additional assurance to the customer in respect of higher performance and superior quality.

In order to assure that HAWA products comply with international quality standards, in-house equipment is kept for monitoring control.



Portable Spectrometer for next gen/advanced Positive Material Identification (PMI) Purposes of Valve Parts.



Sophisticated Machining Facilities



Hi-tech Grinding Machine

The in-house state of the art machining facility has the capability to process a wide range of valve and equipment components in standard or exotic materials. HAWA's expertise in machining has been built up over many years within the industries.

The CNC machines operate with the latest tooling technology; this allows Carbon Steel, Stainless Steel, Duplex & Super Duplex Stainless Steels, Inconel, Hasteloy and Titanium. HAWA Valves to stay at the forefront of machining techniques, resulting

A highly qualified staff, using accurate jigs and fixtures, and program-controlled machining centers guarantee HAWA's consistent high production standards.



CNC Machining



Machine Shop



CNC Machine



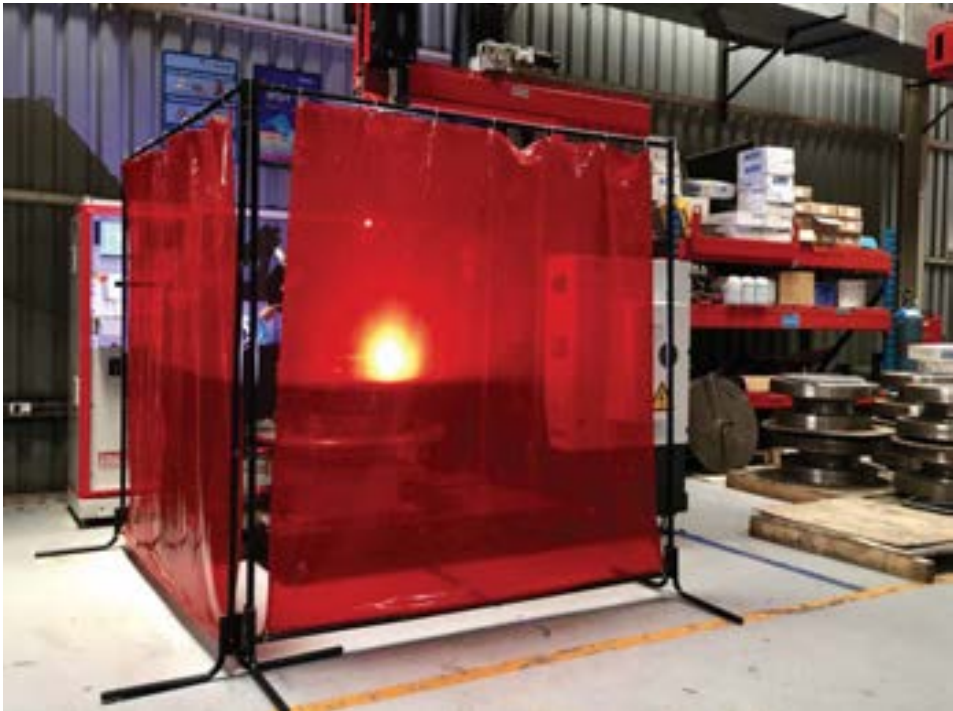
CNC Machining



Corrosion Resistant Alloy (CRA) & Hard Facing Overlay Facilities



Fully Automated ETR Overlay Facility



Hawa Valves has wide experience in the design and manufacturing of Ball, Gate, Globe & Check valves for extremely sour service, highly corrosive services or severe environments, and has become a specialist in this field with a host of in-house equipment to carry out Corrosion Resistant Alloy (CRA) and Hard Facing Overlays in an established controlled environment. Valves are manufactured in Carbon Steel, Alloy Steel and Low Temperature Carbon Steel bodies with appropriate corrosion allowances and required overlays with a variety of Stainless Steel and High Nickel Alloys, such as Alloy 625, Alloy 825, Alloy 926, SS316L and others.

Overlay has been proven as a competitive option to Solid Alloys. By means of overlay, Hawa Valves can provide fully clad valves with overlay on all the wetted parts of the valve, or just localized on dynamic sealing areas (seat pocket and stem seal area), depending on customer requirements.

The actual overlay of these high alloys over carbon steel is a key process which, according to our experience, absolutely must be performed and controlled in-house by the valve manufacturer in order to provide a quality-consistent product which will perform on-site as designed, and for the design life intended. For this purpose, we perform this process in-house by means of four state-of-the-art automated overlay machines. Our equipment has the capability to overlay Corrosion Resistant Alloys & Hard Facing Alloys, all by our highly skilled and experienced welding team. All the processes are carried out according to established procedures, by monitoring and supervising the key parameters throughout the process, in order to ensure the quality and reliability of the overlay. Prior, during and after overlay we perform all the subsequent tests and checks in order to ensure quality.





Assembly Facilities



Our Factory counts with qualified employees working to HAWA's procedures to guarantee quality products designed to industries' most rigorous standards.

Our Assembly Shop has fully qualified employees and Supervising Engineers working to HAWA Valves' procedures to guarantee quality products assembled flawlessly to ensure that the products reach the customer without any defects having crept in.

Our Assembly team is fully capable of complete integration of actuators of all types such as pneumatic, hydraulic, electric and electro-hydraulic with control systems.





Testing Facilities

High Pressure Ball Valve

think **PC PROGETTI**
hawa Valves



Ball Valve with Gas Over Oil Actuator



Top Entry Ball Valve



Trunnion Mounted Ball Valve During Test

Safety is always the first concern, and all pressure testing is carried out in safety cells.

Each test cell is equipped with computerised data logging equipment for the continuous monitoring and performance analysis of the product being tested.

Our Valve test benches have been designed and built to ensure efficiency and maximum safety of the operator and supervising engineer this attention to details and safety has been appreciated by all our clients and third party inspectors who came to witness testing at our facilities.



Swing Check Valve with Hub Ends



Testing Facilities



Low Temperature Test



Pressure Test



Pressure Test



Firesafe Test



Dual Plate Check Valve



Painting & Blasting Facilities



Blast cleaning



Calibration of Comparator

Negative Pressure Paint Booth

Negative Pressure Paint booth With in-house grit blasting (ferrous and non-ferrous) and humidity controlled ovens, HAWA has the in-house painting capability to meet a wide spectrum of customer specifications ranging from single coat systems to typical multi-coat epoxy and polyurethane systems for offshore environments.



Pinhole detection Holiday test



DFT measurement



Painted Valves



Atmospheric condition checking



Marking, Tagging, Packing and Dispatch Facilities



Permanent Laser Marking For All Labels, Tags And Identification Plates



Dispatch



Marking

All the Valves have marked in accordance with MSS SP 25, Standard Marking System for Valves.

Tagging

All the Valves have the tag number stamped on a 316 stainless steel tag and attached to the valve with stainless steel wire or Embossed stainless steel rivet.

Packing

HAWA's responsibility to ensure that all materials and equipment are properly packed for its intended mode of transport. Machined surfaces shall be protected with wood and sealed against corrosion. We remove and separately box sensitive instruments.

A detailed packing list has been placed in a waterproof envelope outside and inside the box/package. The packing list shall strictly follow the format required by the customer.



Marking



Packed Valves





Product Range



SIL3 Certified API 6A Valves TRUNNION MOUNTED BALL VALVES



SHELL GSI TAT Qualified

- Size :** 1 13/16" upto 30"
- Pressure Rating :** API 3000 PSI to 20000 PSI
- Materials :** All Material Classes as per API 6A and also Special Materials with Overlay.
- Design Standard :** API 6A
- Pressure / Temperature Rating :** API 6A
- Test (Inspection) Standard :** API 6A
- Construction Details :** Single / Two / Three Piece Design / Side Entry / Trunnion / Block & Bleed / Soft and Metal Seated
- End Connection :** Flanged, Hub End, Butt-Weld
- Operator / Actuator :** Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)
- Special Design Feature also available :**
- Extremely High Temperature
 - Cryogenic Design
 - Subsea Design



Product Range



API 6A Valves GATE VALVES



PATENT GRANTED UK NUMBER : GB2540371

PR2 Qualified

Size : 1 13/16" upto 30"

Pressure Rating : API 3000 PSI to 20000 PSI

Materials : All Material Classes as per API 6A and also Special Materials with Overlay.

Design Standard : API 6A

Pressure / Temperature Rating : API 6A

Test (Inspection) Standard : API 6A

Construction Details : Bolted Bonnet / Pressure Seal Bonnet, Non Rising Stem

End Connection : Flanged, Hub End, Butt-Weld

Operator / Actuator : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available :

- Extremely High Temperature
- Cryogenic Design
- Subsea Design





Product Range



API 6A Valves

GLOBE VALVES



PATENT GRANTED UK NUMBER : GB2539024

PR2 Qualified

Size : 1 13/16" upto 30"

Pressure Rating : API 3000 PSI to 20000 PSI

Materials : All Material Classes as per API 6A and also Special Materials with Overlay.

Design Standard : API 6A

Pressure / Temperature Rating : API 6A

Test (Inspection) Standard : API 6A

Construction Details : Bolted Bonnet / Pressure Seal Bonnet, Non Rising Slem

End Connection : Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available :

- Extremely High Temperature
- Cryogenic Design
- Subsea Design





Product Range



API 6A Valves
CHECK VALVES
Swing/Lift/Dual
Plate/Non-Slam
Axial/Tilting Disc

SHELL GSI TAT Qualified

Size : 1 13/16" upto 30"

Pressure Rating : API 3000 PSI to 20000 PSI

Materials : All Material Classes as per API 6A and also Special Materials with Overlay.

Design Standard : API 6A

Pressure / Temperature Rating : API 6A

Test (Inspection) Standard : API 6A

Construction Details : Bolted Cover / Pressure Seal Bonnet, Swing, Piston Lift, Dual Plate, Non-Slam Axial, Tilting Disc.

End Connection : Flanged, Hub End, Butt-Weld

Operator / Actuator : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available :

- Extremely High Temperature
- Cryogenic Design
- Subsea Design



Product Range



API 6A Valves DBB Valves – Ball/Globe/Needle

SHELL GSI TAT Qualified

PR2 Qualified

Size: 1 13/16" upto 30"

Pressure Rating: API 3000 PSI to 20000 PSI

Materials : All Material Classes as per API 6A and also Special Materials with Overlay.

Configurations: Ball/Needle/Ball, Ball/Ball/Ball, Needle/Needle/Needle, Globe/Needle/Globe.

Operation : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available :

- Extremely High Temperature
- Cryogenic Design
- Subsea Design





Product Range



SIL3 Certified
Ball Valves



Trunnion Mounted,
Side & Top Entry

SHELL GSI TAT Qualified

Hawa Valves has extensive experience in manufacturing Trunnion Mounted, Side & Top Entry Ball Valves, both Soft and Metal Seated.

Size: 2" up to 56" (DN 50 up to DN 1400)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard : API 6D, API 608, MESC SPE 77 / 130 API6DSS, MESC SPE 77/210

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API6DSS, API 598, API 6D, ISO 5208, MESC SPE 77/132, 77 / 300, 77/312, 77/200, 77/210, API 6FA, ISO 10497, API607, ISO 15848-1&2, BS 6364

Construction Details: Single / Two / Three Piece Design / Side Entry / Trunnion / Block & Bleed / Soft and Metal Seated

End Connection : Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available :

- Cryogenic Design
- Subsea Design
- Stem Extension
- Single & Double Piston Seat Design
- Primary Metal and Secondary Soft Seat Design
- Emergency Seat and Stem Lubricant Injection





Product Range



SIL3 Certified
Ball Valves



Fully Welded

Trunnion Mounted Fully-Welded Body Ball Valves are typically used for gas transmission pipeline projects, buried pipelines (underground).

Size: 2" up to 56" (DN 50 up to DN 1400)

Pressure Rating: ASME 150# to 2500#

Materials: Generally Carbon Steels with either Stainless Steel or ENP Coated Carbon Steel internals.

Design Standard: API 6D, API 608, MESG SPE 77 / 130 API6DSS, MESG SPE 77/210

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API6DSS, API 598, API 6D,

ISO 5208, MESG SPE 77/132, 77 / 300, 77/312, 77/200, 77/210, API 6FA, ISO 10497, API607, ISO 15848-1&2, BS 6364

Operation: Gear, Actuator (Gas-Hydraulic, Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available:

- Line Break System
- Stem Extension
- Single & Double Piston Seat Design
- Primary Metal and Secondary Soft Seat Design
- Emergency Seat and Stem Lubricant Injection



Product Range



SIL3 Certified
Ball Valves

Floating

SHELL GSI TAT Qualified

HAWA Valves has very extended experience in manufacturing of Floating Ball Valves

Size: ½" up to 12" (DN 15 up to DN 300)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 6D, API 608, MESC SPE 77 / 130
API 6DSS, MESC SPE 77/210

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API 6DSS, API 598, API 6D, ISO 5208, MESC SPE 77/132, 77 / 300, 77/312, 77/200, 77/210, API 6FA, ISO 10497, API 607, ISO 15848-1&2, BS 6364

Construction Details: Single / Two / Three Piece Design / Side Entry / Trunnion / Block & Bleed / Soft and Metal Seated

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator: Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available:

- Cryogenic Design
- Subsea Design
- Stem Extension
- Single & Double Piston Seat Design
- Primary Metal and Secondary Soft Seat Design
- Emergency Seat and Stem Lubricant Injection





Product Range



Dual Plate Check Valves

SHELL GSI TAT Qualified

PATENT GRANTED USA, UK & WORLDWIDE

HAWA Valves has extensive experience in manufacturing of Dual Plate Check Valves which are offered in a Patented "Retainerless" Design, which has subsequently become an industry standard for Dual Plate Check Valves throughout the hydrocarbon, energy and process industries across the world.

Size: 2" up to 56" (DN 50 up to DN 1400)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 6D, API 594, MESCSPE 77 / 133

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API 598, API 6D, ISO 5208
MESCSPE 77/133, ISO 15848-1&2 BS6364

Construction Details: Dual Plate, Soft and Metal Seated

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator: Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Dual Plate Check Valves are available in five different types:

- Wafer Type
- Solid Lug Type
- Double Flange type
- Hub End type
- Butt weld end type

Cryogenic Service

Almost all Hawa Valves Dual Plate Check Valve types can be designed in a special version suitable for cryogenic service. In this case, all the materials and technical features are designed to withstand minimum design temperature required by the Customer, down to Cryogenic -196°C. If required by the customer, specific Cryogenic Tests are performed to verify the behaviour of valves sealing capability and emissions etc. vs the ambient.



Product Range



The largest Fabricated Gate Valve produced yet by Hawa Valves. Shown here is a Size 88" (DN2200) Gate Valves just before dispatch.

Gate Valves

SHELL GSI TAT Qualified

Gate Valves are used extensively throughout the hydrocarbon, energy and process industries.

Size: 2" up to 88" (DN 50 up to DN 2200)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 602, API 600, MESCSPE 77 / 101, MESCSPE 77 / 102, ASME B16.34

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API 598, API 6D, MESCSPE 77/101, 77/ 102, ISO 5208, API6FA, ISO 10497, ISO 15848 - 1&2, Bs6364

Construction Details: Bolted Bonnet / Pressure Seal Bonnet, OS & Y Type Rising Stem

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator: Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Gate Valves are available in six different types:

- Wedge type Bolted Bonnet
- Wedge type pressure seal bonnet
- Parallel Slide Bolted Bonnet
- Parallel Slide Pressure Seal Bonnet
- Conduit Bolted Bonnet Slab Gate
- Conduit Bolted Bonnet Expanding Gate

Cryogenic Service

Gate Valves can be designed in a special version suitable for cryogenic service. In this case, all the materials and technical features are designed to withstand minimum design temperature required by the Customer, down to Cryogenic -196°C. If required by the customer, specific Cryogenic Tests are performed to verify the behaviour of production valves in terms of valve torque, sealing capability, emissions vs the ambient.



Product Range



Globe Valves

SHELL GSI TAT Qualified

Globe Valves are extensively used through-out the hydrocarbon, energy and process & the power industries.

Size: ½" up to 24" (DN 15 up to DN 600)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 602, MESC SPE 77 / 103, BS 1873
DIN 3356

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard : API 598, API 6D, MESC 77/103, ISO 5208, ISO 15848-1&2, BS 6364

Construction Details : Bolted Bonnet / Pressure Seal Bonnet, OS & Y Type Rising Stem

End Connection : Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Globe Valves are available in three different types:

- Bolted Bonnet
- Pressure seal
- Bellows Seal

Cryogenic Service

Globe Valves can be designed in a special version suitable for cryogenic service. In this case, all the materials and technical features are designed to withstand minimum design temperature required by the Customer, down to Cryogenic -196°C. If required by the customer, specific Cryogenic Tests are performed to verify the behaviour of production valves in terms of valve torque, sealing capability, emissions vs the ambient.





Product Range



Check Valves

SHELL GSI TAT Qualified

Hawa Valves has extensive experience in manufacturing Piston, Swing, Tilting Disc and Non-Slam Check Valves for use in the hydrocarbon, energy and process industries.

Size: ½" up to 56" (DN 15 up to DN 1400)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 602, API 6D, MESG SPE 77 / 132, BS 1868, DIN 3356, ISO 15761

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard : API 598, API 6D, MESG 77/132, ISO 5208, ISO 15848-1&2, BS 6364

Construction Details : Bolted Cover / Pressure Seal Bonnet, Lift Check Type, Swing Check, Piston Check, Tilting Disc, Non - Slam Check

End Connection : Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Check Valves are available in six different types:

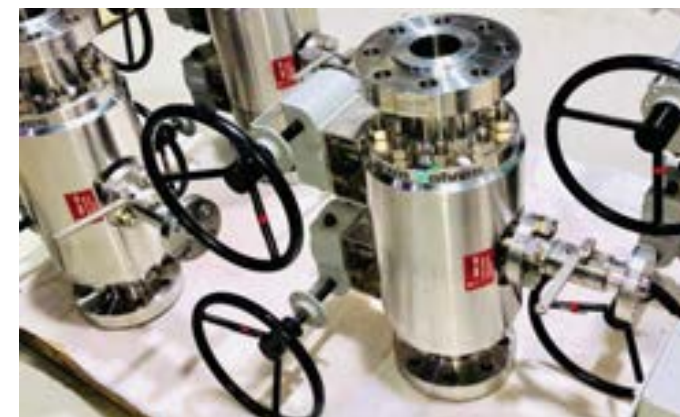
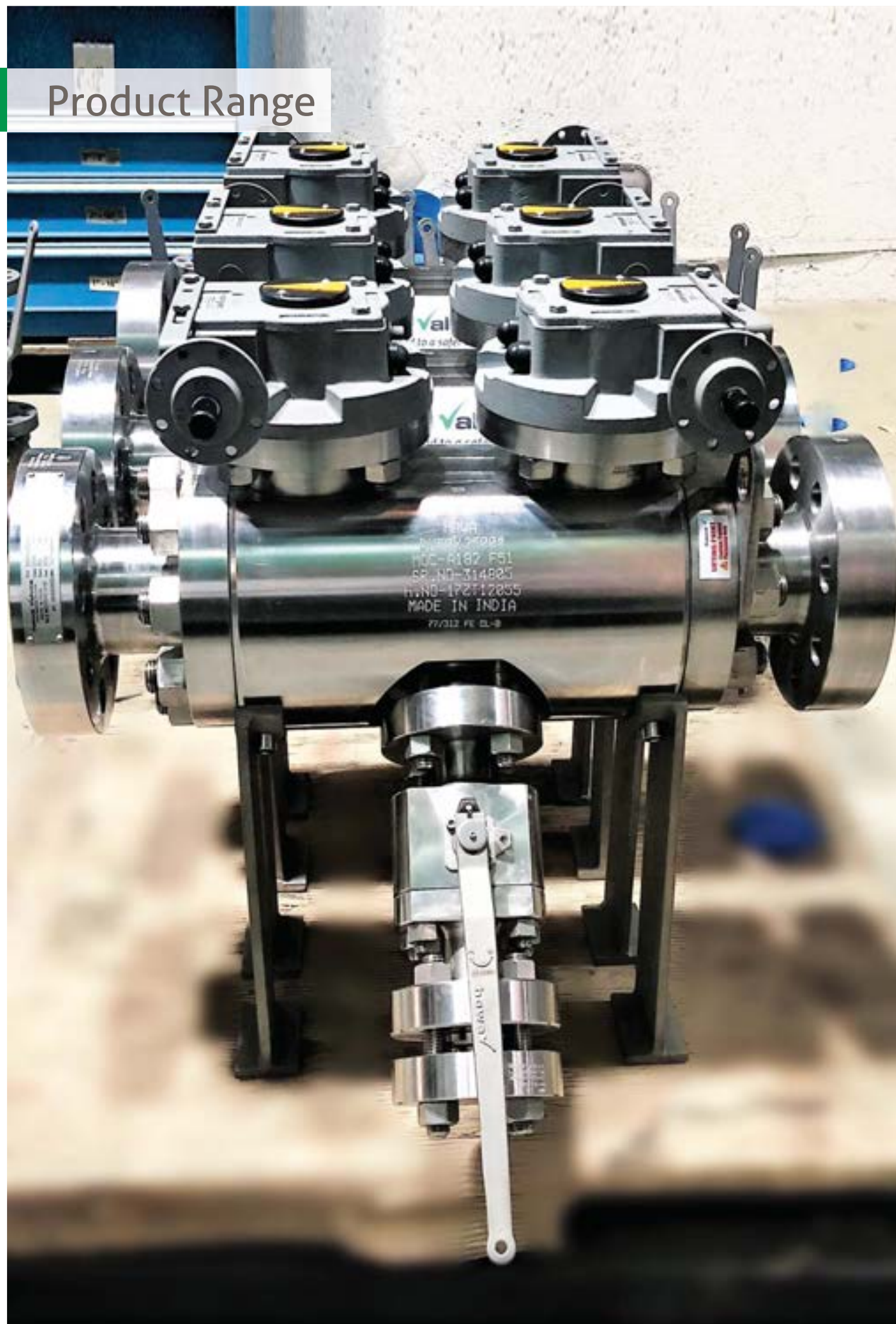
- Swing Type Bolted Bonnet
- Piston type check valves
- Non-Slam Check Valves
- Tilting Disc type Pressure Seal Bonnet
- Nozzle type

Cryogenic Service

Almost all HAWA Check Valve can be designed in a special version suitable for cryogenic service. In this case, all the materials and technical features are designed to withstand minimum design temperature required by the Customer, down to Cryogenic -196°C. If required by the customer, specific Cryogenic Tests are performed to verify the behaviour of valves sealing capability, emissions vs the ambient.



Product Range



Single and Double Block & Bleed Instrumentation Interface Valves

Hawa Valves can meet all the requirements coming from the Customer, including the need of valves with reduced dimensions and weight. For Double Block and Bleed design, Trunnion or Floating Type, special body design without flanges results in a very short end-to-end dimension. Pipeline bolts shall be screwed into threaded blind holes machined into valve body.

This customization of the product is possible, indeed, on all dimensions coming from international codes (valve bore, valve end to end) of coming from Hawa's standard production range (valve weight, height from ground, operator height from line axis) can be modified trying to meet the requirements of the Customer for the specific project.

Size: ½" up to 24" (DN15 up to Dn600)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 6D, MESC SPE 77 / 170, BS 5353, ISO 17292

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API 598, API 6D, MESC 77/170, ISO 5208, ISO 15848-1&2 BS6364

Construction Details: Bolted Cover / Pressure Seal Bonnet, Lift Check Type, Swing Check, Piston Check, Non-Slam Check

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator: Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Special Design Feature also available:

- Full Bore & Reduce Bore
- Cryogenic
- Subsea Design
- High Temperature High Pressure (HPHT) Service





Product Range



Plug Valves

Hawa Valves manufactures Lubricated Metal Seated Plug Valves used throughout the hydrocarbon, energy and process industries.

Size: ½" up to 36" (DN15 up to DN900)

Pressure Rating: ASME 150# to 2500#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 6D, API 599, BS 5353, MESC SPE 77/107

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard: API 598, API 6D, MESC 77/107, ISO 5208

Construction Details: Inverted Plug Pressure Balanced / Lubricated

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator: Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Plug Valves are available in three different types versions

- Full Bore
- Regular Bore
- Extended Stem Valves





SIL3 Certified Butterfly Valves



Hawa Valves has extensive experience in manufacturing Butterfly valves for the hydrocarbon, energy and process industries.

Size: 2" up to 88" (DN 50 up to DN 2200)

Pressure Rating: ASME 150# to 900#

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: API 609, MESCSPE 77 / 134, BS 5353

BS EN 593, ANSI AWWA C504-94

Pressure / Temperature Rating: ASME B 16.34

Test (Inspection) Standard : API 598, API 6D, MESCSPE 77/134, ISO 5208

Operation : Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic and Electric Motorised)

Butterfly Valves are available in four different types' versions:

- Double Offset
- Triple Offset
- Centre Disc
- Extended Stem

Cryogenic Service

Almost all HAWA Butterfly Valve can be designed in a special version suitable for cryogenic service. In this case, all the materials and technical features are designed to withstand minimum design temperature required by the Customer. If required by the customer, specific Cryogenic Tests are performed to verify the behaviour of valves sealing capability, emissions vs the ambient.





Product Range



SIL3 Certified HIPPS VALVES



Hawa Valves is a specialist in quick-operating HIPPS Valves which are essential in Integrated Protective Function use as a Safety Device. Advanced design and simulation software such as CFD®, ANSYS® (FEA) and Solid Works® to simulate product flow, mechanical status and wear condition. Our HIPPS products can help to increase production and reliability, extend running time and reduce maintenance – in short, our HIPPS Valves make your system safe. Moreover, Hawa Valves' R&D and Technical Team is developing new solutions with the enhancement of processing technologies in Oil and Gas, Hydrocarbon Industry to further this technology and provide even safer products.

Size: 2" upto 56" (DN50 upto Dn1400)

Pressure Rating: ASME 1500# to 2500# and API 3,000 psi to API 20,000 psi.

Materials: Carbon Steels, Low Temperature Carbon Steel, Martensitic Steels, Austenitic Stainless Steel, Duplex Stainless Steels, Super Duplex Stainless Steels, Nickel Alloys, Nickel Aluminum Bronze, Hastelloy, Inconel, Titanium Alloy & Carbon Steel with Internal Corrosion Resistant Alloy (CRA) Overlay

Design Standard: SIL3, API 6D, API 608, MESC, ANSI, & ASME B16.34

Pressure / Temperature Rating: SIL3 / ASME B 16.34

Test (Inspection) Standard: SIL3, API 6D, MESC, ISO 5208, API 6FA, ISO 10497, API 607, ISO 15848-1&2, BS 6364

Construction Details: Single / Two / Three Piece Design / Side Entry / Trunnion / Block & Bleed / Soft and Metal Seated

End Connection: Screwed, Socket Weld, Flanged, Hub End, Butt-Weld

Operator / Actuator: Lever, Gear, Actuator (Pneumatic, Hydraulic, Electro-Hydraulic, Electric Motorised & Gas Over Oil)

Special Design Feature also available:

- Extremely High Temperature
- Cryogenic Design
- Subsea Design





User Industry

HAWA Valves is a global valves supplier that provides complete solutions to various industrial applications. With well equipped quality management system, advanced production facilities and technical expertise, HAWA shall continue to be one of the largest valve manufacturer with impressive track record to provide its partners and clients around the world with quality products.



Oil & Gas - Upstream

HAWA offers product suitable for both offshore, Onshore, FPSO and FLNG exploration and production.

Oil & Gas - Midstream

HAWA offer products to Oil and Gas Pipeline, Oil Depot, Tank, and LNG / LPG Facility in providing reliable shut off and minimal pressure drops.



Oil & Gas - Downstream

HAWA offers customised products to Oil Refining Plant, Gas Processing Plant, Catalytic Cracking, Hydrotreating, Desulfuration, Alkylolation Plants Facility System.

Power

HAWA Valves can help customers to meet the most important challenges in coal power generation, natural gas power generation, nuclear power and other renewable energy sources industries.



Marine & Defense

HAWA offers customised products to Ship builders and Ship Owners to select suitable valves in order to save cost and reduce risk. The applications are Barges and Supporting Facility, Cargo Ship, Oil Tanker, Tug Boat, LPG/ LNG Ship.

Chemical

HAWA offers excellent products to meet requirements in chemical industry. Our valves own all applicable international accreditations and meet the most stringent environmental applications such as Petrochemical, Refinery Chemical, Pharmacy and Basic Chemical.



Mining

HAWA Valves can help improving environmental safety, working conditions of process pipelines, facility basis & valve service life, and reduce downtime caused by maintenance in the mining industry. The applications are Iron Mine Exploitation, Aluminum Mine Exploitation, Nickel Mine Exploitation and Copper Mine Exploitation and processing.

Water Treatment

HAWA offers excellent products to meet requirements in Water Treatment Industry. Our valves own all applicable international accreditations and meet the most stringent environmental applications such as Sea Water Desalination, Water Transportation, Water Treatment, Water cycle and use and sewage treatment .



General Industry

HAWA Valves enjoys a good reputation in valve industry because of its consistent product and quality. The General industrial systems mainly include air separation, food, drink, papermaking industries, agriculture, dock and many more.



Projects

HAWA Valves has developed an impressive customer list and track record for the Oil & Gas and Hydro Carbon Industry. These are some of the prestigious projects where our valves are supplied. For full track record, please contact us.



MODEC OSX-3



Prelude



Petronas Carigali (Kinabalu Nag)



Sabah Shell (Malikai TLP)



Saudi Aramco - Wasit Gas Plant



Turmengas - South Yoloten Gas Field



ADCO - BOB Thamam



PDO - Kauther Depletion Compression Project



PDO - Qarn Alam Project



Shell Iraq - Majnoon Project



Experience & References

Various different types of Hawa Valves are installed and successfully commissioned in more than 100 projects worldwide in the Hydrocarbon Oil & Gas Sector, Upstream, Downstream and Midstream, as well as a host of other sectors such as Nuclear, Marine, Defence, Water Treatment and Desalination.

Offshore Upstream

India

- Dahej Expansion Phase - IIIA
- G1 & GS15 Gas Field Development
- Neelam & Heera Fine Filter

Malaysia

- Angsi Platform
- Baronia & Tukai Wellhead Platforms
- Baram BADP
- Bunga Orkid
- E6 Field
- Jintan Gas Field
- Kinabalu NAG
- Laila & D12,F14 & F29
- Malikai Deepwater Oilfield
- Samarang Redevelopment
- Sumandak Phase 2
- SK316 Development
- Tangga Barat / Kumang Cluster

Saudi Arabia

- Karan Gas Field
- Safaniya Field
- Abu Safah Field

Brasil

- Pappa Terra Field

New Zealand

- Kupe Gas

UAE

- Zakum Redevelopment

Egypt

- Zohr Gas field

Indonesia

- Madura BD Gas Field Development

FPSO

Brasil

- Cidade De Marica
- P-53
- P63
- Osx 3
- Baleia Azul

Singapore

- Cyrus

FLNG

Australia

- Prelude

Mozambique

- Pande Pig Trap

Iraq

- Majnoon Oil Field

Onshore Upstream & EOR

Saudi Arabia

- Dhahran Plant
- Haradh - GOSP-1
- JAZAN Refinery and Terminal
- Master Gas System 2 (MGS 2)
- Rabigh II Project
- SAMAC MMA-PMMA Sales Gas Filtration System
- Wasit Gas Plant
- Wasit Gas Plant
- Uthmaniyah Project
- Harmaliya/Jafurah Gas Project
- Fadhilli Gas Plant
- Asphalt Facility
- Berri Gas Plant
- Jubail Chevron Phillips Petrochemical Com.
- Khurais Project
- Khursaniyah Project
- Khafji - Tanajib Gas Compression Project

UAE

- Bab Thamama
- Buhasa South Shuaiba Artificial Gas Lift
- Habshan And Bab Gas
- Mender Project
- OGD-1 Gas Injection
- Qusahwira Development
- Rumaitha-Shanayel
- Zakum - Gas Injection

Oman

- Amal Southeast
- Block 60 Abu Tubul field in Q3
- Fahud Gas Fractionation Unit
- Ghaba North Redevelopment
- Greater Rima Filed Development
- Hasira Oil Field
- Karim West Water Flood
- Kauther Depletion Compression
- Lekhwair Field
- Mabrouk Deep Full Field
- Marmul North West Header
- Murayrat Pls
- Musandam Gas
- Nimr B,C
- Qarn Alam Steam
- Rabab Harweel Integrated
- Saih Nihayda Condensate Stabilization
- Saih Rawl Depletion Compression
- Yibal Attic Full Field
- Zauliya Gas Compression
- Al Noor LPO
- Tayseer gas field
- Abu Tubul Block-60 Project
- Anbar Oil Field

Qatar

- Dukan Field
- Ras Laffan

Kuwait

- Gathering Centre GC 29
- Gathering Centre GC 30
- Gathering Centre GC 31
- Lower Fars Heavy Oil Field

Oil & Gas Down Stream

India

- Cuddalore Refinery
- Dahej Expansion
- Kochi Refinery
- Krishna-Godavari Basin
- Mathura Refinery Plant
- Mangalore Refinery & Petrochemicals

Kuwait

- Mina Abdullah Refinery

UAE

- Ruwais Refinery Expansion
- Zirku Facilities

Saudi Arabia

- Ras Tanura Refinery

Oil & Gas Mid Stream

India

- Cng & City Gas Distribution
- Dabhol Bangalore Pipeline
- Guwahati Pipeline
- Hazira Port & Lng Terminal
- Krishna-Godavari Basin
- Mumbai Uran Pipeline
- Mundra Delhi Pipeline
- Mundra-Panipat Pipeline
- Paradip Raipur Ranchi Pipeline
- Viramgam Kandla Pipeline
- Shahdol Phulpur Gas Pipeline

Oman

- Fayyadh-Sayyala Gross Pipeline

Bahrain

- Saudi Bahrain Pipeline Project

Power

India

- Kakatiya Thermal Power
- Nagai Thermal Power Plant
- Farakka Super Thermal Power
- KAPP & RAPP

Saudi Arabia

- Jazan IGCC
- Shaybah Power

Turkmenistan

- South Yoloten Gas Field

Bolivia

- Yacimientos Petroliferos Fiscales Bolivianos's

Brunei

- Darat Gas Development

Singapore

- Pulau Bukom Project