



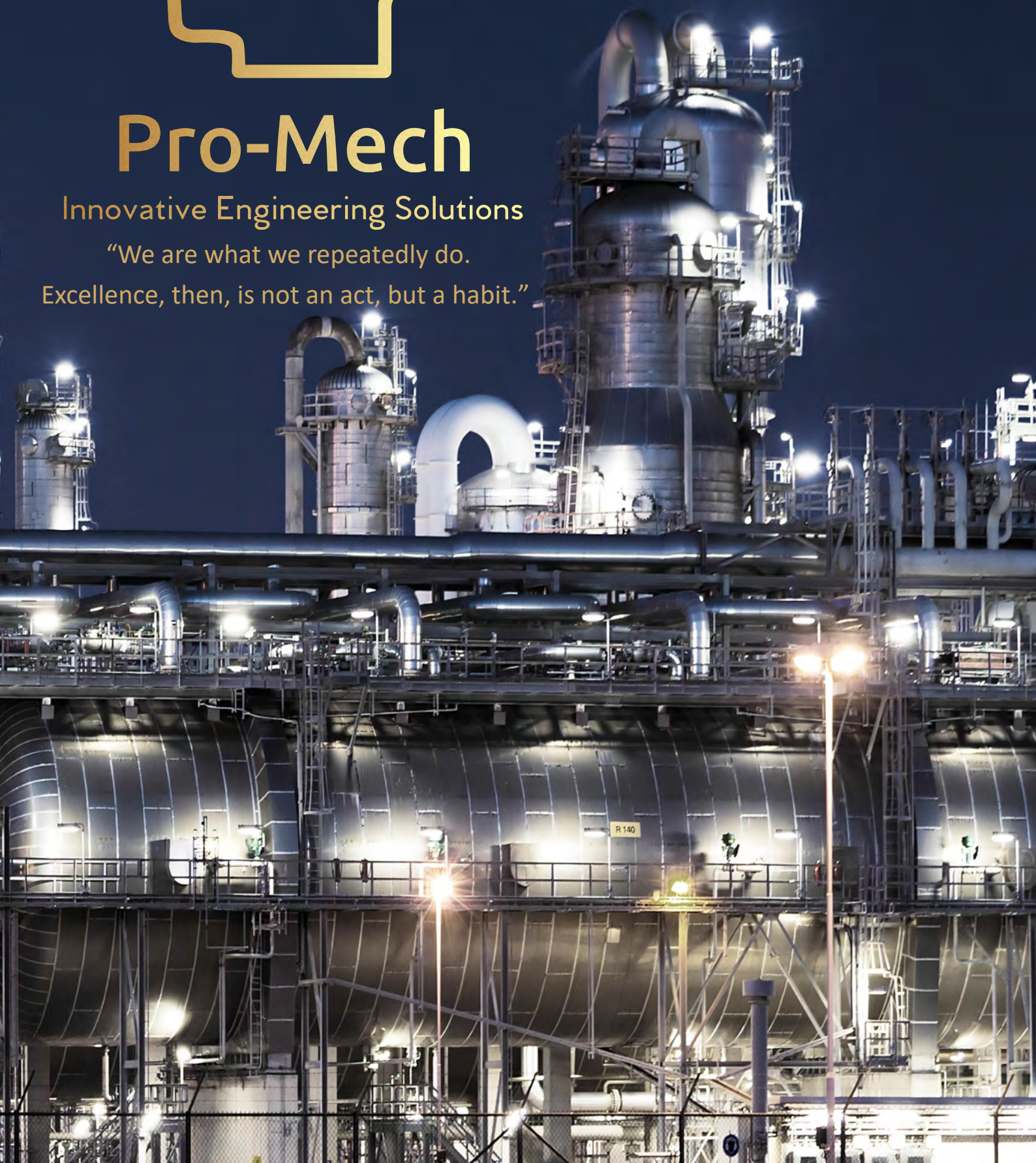
CAPABILITY STATEMENT

Pro-Mech

Innovative Engineering Solutions

"We are what we repeatedly do.

Excellence, then, is not an act, but a habit."



Company Overview

Incorporated in 2017, Pro-Mech Engineering Solutions is an Australian owned & operated, ISO 9001 accredited Engineering consulting & valve supply company based in Perth, Western Australia.

Our aim is to offer our best in class engineering services & products to our clients in the Oil & Gas, Power, Mining & Minerals, Chemical and Fertilizer industries. We bring to you our services unmatched in the industry in terms of knowledge, experience & quality.

We align our interests to meet the objectives of our clients. We offer complete solutions ensuring that our products & services are fit for purpose & cost effective, thus, improving overall business performance.

Our background, knowledge & experience in Mechanical Design and Valve Engineering positions us apart from our competitors, as it enables us to understand our client's requirements better and offer complete solutions.

Strengths

- ◆ We have a combined experience of more than 25 years in Mechanical Design & Valves Engineering. We are a team of Chartered Professional Engineers in the stream of Mechanical Design & Engineering and offer consultancy services to our clients.
- ◆ We analyze the specifications, datasheets & process conditions to ensure that we offer products suitable for the plant's operating conditions.
- ◆ We are the exclusive distributors of ValvTechnologies USA, a world leader in manufacturing metal-seated ball valves, with a unique zero-leakage feature, conforming to ISO-5208 'Rate-A'.
- ◆ We have affiliations and distributorship agreements with many other reputed valve manufacturers based in Europe and USA for supply of other type of valves such DBB valves, soft-seated ball valves, gate, globe and check valves etc.
- ◆ We are a one stop shop for the engineering & supply of valves, actuators & actuated packages.

Capabilities

- ◆ Valve and Actuated Valves supply
- ◆ Mechanical Design and Engineering
- ◆ Reverse Engineering and Materials Engineering
- ◆ Actuator trouble-shooting and servicing (Electric, Pneumatic & Hydraulic)
- ◆ Project Management, Plant Shutdown & Maintenance Planning



Nitin Aggarwal - Principal Engineer & Managing Director

Nitin is the founder of Pro-Mech Engineering Solutions. With a Bachelor of Technology - Mechanical Engineering and MBA, Nitin is a Chartered Member of Engineers Australia (CPEng, MIEAust, NER). He has over 15 years experience in mechanical design, materials, R&D and value engineering.

Nitin has a keen interest in design of static equipment such as valves, pipes, pressure vessels, heat exchangers etc. Through his expertise, experience & drive for excellence, Nitin provides innovative & practical engineering solutions to our clients.



Mayur Sanghani - Manager - Projects & Sales

Mayur is a Mechanical Engineer and a member of Engineers Australia as a Professional Engineer. Mayur has over 8 years of experience in Mechanical Design, Construction & Installation and Project Management. Mayur has worked on various projects related to valve maintenance in the Oil & Gas and Power Generation sectors and Construction, installation and commissioning projects in the Mining sector.

Mayur also brings onboard an extensive experience in Valves Engineering and Project Management in dewatering & water infrastructure construction.



Brian Jansen - Business Development Manager

Brian joined Pro-Mech Engineering Solutions after an extensive career at Rotork South Africa & Australia. Brian's background includes over 25 years experience in Technical Sales, maintenance and installation of actuators & valves for mining, water, power, general industrial and onshore/offshore facilities.

Brian is dedicated in providing practical solutions for our clients in the field of actuated valves.



CERTIFICATE OF REGISTRATION

Pro-Mech Engineering Solutions Pty Ltd

Unit 8, 8 Cascara Corner, Bibra Lake, WA 6163, Australia

Has been assessed and certified by Compass Assurance Services to the following management systems, standards and guidelines:

ISO 9001:2015

QUALITY MANAGEMENT SYSTEMS

The scope of the certification covers the following activities:

Mechanical Design, Engineering, Project Management and Supply of valves, actuators, instrumentation, piping, flanges and other related equipment.

A handwritten signature in black ink, appearing to be "A. Smith", written over a horizontal line.

Managing Director

JAS-ANZ



CERTIFICATION DATE:

8 April 2021

DATE OF ISSUE:

9 April 2021

EXPIRY DATE:

8 April 2024

CERTIFICATE #:

2750-2327-01

Pro-Mech Engineering offers a wide range of high quality products to meet the client specifications and conforming to international codes / standards such as ASME, API, ANSI, AS/NZ and ISO. We also provide customized solutions for severe service applications.

Distributorships

Pro-Mech Engineering is an exclusive distributor of **ValvTechnologies zero-leakage** metal-seated ball valves for severe service applications. Pro-Mech is an authorised distributor of **DFC Insmacor** range of valves and represents other top-tier, high quality valve manufacturers from Europe and USA.



ValvTechnologies - Metal seated absolute zero-leakage shutoff (ISO 5208 - Rate A) ball valves.

- ◆ Floating & Trunnion Mounted Ball Valves
- ◆ Low Emission Ball Valves
- ◆ Cryogenic Ball Valves
- ◆ Double Block & Bleed Valves
- ◆ Subsea Ball Valves
- ◆ Parallel Slide Gate Valves

DFC Insmacor

- ◆ Insmacor Knife Gate Valves
- ◆ SKG - Slurry Knife Gate Valves
- ◆ RF & aiRFlex Pinch Valves
- ◆ Vent-O-Mat Air Valves



Champion - Check Valves

- ◆ Dual Disc Wafer & Lugged
- ◆ Single Disc valves
- ◆ Axial Flow valves
- ◆ Silent valves

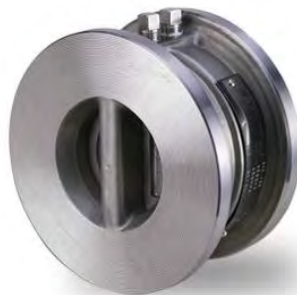


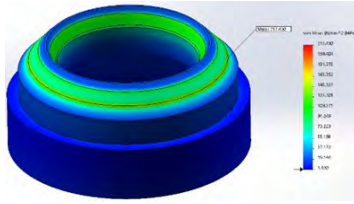
DelVal - Ball, Butterfly, Actuators

- ◆ Ball Valves
- ◆ Double offset & Triple Offset Butterfly Valves
- ◆ DNV approved for Marine
- ◆ Actuators

Products

- ◆ **Actuators** - Electric, Pneumatic and Hydraulic.
- ◆ **Actuated Valve Packages.**
- ◆ **Ball valves** - Trunnion/floating ball, side entry or top entry, DBB valves, metal-seated and soft-seated.
- ◆ **Butterfly valves** - concentric, double-offset & triple-offset design.
- ◆ **Check valves** - swing, wafer (single disc & dual plate), lugged dual plate & axial flow designs.
- ◆ **Control valves** - critical and severe service applications.
- ◆ **Gate valves** - metal/resilient seated gate valves. FM/UL approved for fire water.
- ◆ **Gate, globe and check valves** - metal seated and resilient seated valves.
- ◆ **Hydraulic Control Valves (Pilot or Solenoid)** - Pressure reducing / sustaining, flow control, level control. V-port, double chamber, stainless tubing & pilots.
- ◆ **Instrumentation**- gauges, solenoids, needle valves etc.
- ◆ **Knife gate valves** - standard and custom designed for slurry applications.
- ◆ **Plug valves** - severe service isolation valves, lubricated, PTFE sleeved and PFA lined valves.
- ◆ **Strainers** - Y and T design.
- ◆ **Pipe, Flanges, Fittings, Fasteners & Gaskets.**





Mechanical Design

We strive to achieve optimum equipment performance which shall improve reliability of the plant and reduce maintenance costs. We study the process conditions and perform equipment sizing to provide engineering design and material solutions for the equipment experiencing repeated or undesirable failures in service. We perform calculations conforming to the required standards such as ASME, API and ISO. We also use Solidworks Simulation for Finite Element Analysis.



Reverse Engineering, Material Engineering & Value Engineering

Pro-Mech Engineering owns a 7-Axis FARO CMM arm, a highly accurate machine to measure components, which gives us the capability of reverse engineering and prepare drawings for repair or refurbishment of the existing components. In case of an emergency, manufacturing of the replacement parts can also be organised when the OEM parts have a long lead-time. This enables the plant to return to service, thus reducing high production losses.

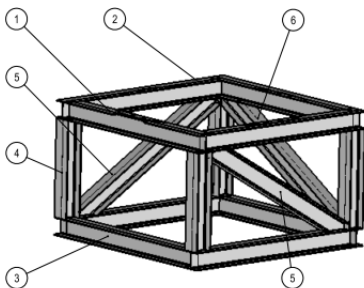
Reverse engineering is not only beneficial for repairs or manufacturing replacement components, but also provides an opportunity to improve the design and change materials when the original components are not performing in the current process conditions. In such cases, reverse engineering coupled with design and materials engineering provides effective solutions, thereby, improving the service life of components, reducing maintenance cost and increase plant uptime.



In-situ Quality Inspections

In-situ repairs on any equipment are often challenging and fraught with issues such as quality assurance.

We can bring confidence in all such activities with our on-site quality inspection services. With our portable CMM arm, we can measure and verify machined dimensions within an accuracy of 0.05mm. Our inspections and quality assurance will give you a peace of mind that the work has been completed as per required standards.



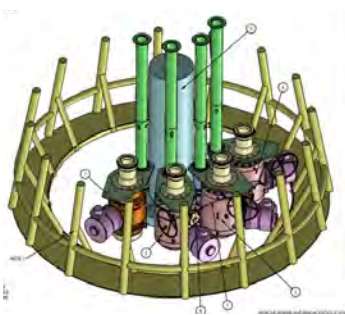
Jigs & Fixture Design

Safety comes first in all of our projects. In order to safely carry out maintenance work, a reliable jig, fixture or a mounting frame is often needed to meet the specific challenges related to the job and mitigate any associated risks. We have experience in design and supply of specific fixtures and mounting frames which complement the safe work method and maintenance procedures.



Design & Quality Audits, Witness Testing & FAT Representation

We provide representation on behalf of our clients for design audits, quality inspections, witness testing & Factory Acceptance testing at the manufacturer's facilities, local or international, to ensure the equipment conforms to the relevant codes and standards such as ASME, API, AS/NZ etc., or the client specifications.



Installation & Commissioning Plans

We can assist with complex installations and commissioning projects for various equipment types in the plant. We utilize Solidworks to prepare 3-D models, assemblies and drawings to provide a detailed installation plan, thus, eliminating the unknowns during the actual commissioning or installation process.

We also cater to various drafting requirements and provide detailed drawings or assembly drawings conforming to GD&T standards.

Project Management

Our Project Management services include:



- ◆ Detailed Scope Writing.
- ◆ Resource Planning.
- ◆ Evaluation of contractors & service providers.
- ◆ Spare parts management including listing of required spares, sourcing & stocking for easy availability of spares when required.
- ◆ Quality Management.
- ◆ Developing Procedures and ITPs.
- ◆ Execution and Support.
- ◆ Onsite & offsite Engineering support during plant shutdowns.
- ◆ Preparation & Compilation of Datasheets & MDR's.

Software Development



Pro-Mech Engineering understand the need to easily retrieve all equipment details, where the existing systems are either not equipped or are too cumbersome to use. We specialise in developing a customised, solution based software to build a database with all equipment details, maintenance history, technical datasheets, drawings etc. which enables retrieving information on a click of a button. The system generates various reports on a selection of various parameters, which are important for maintenance planning or track equipment performance.



PROFILE OF VALVE MANUFACTURERS REPRESENTED BY PRO-MECH



WALWORTH
Since 1842

More than engineering... innovation.



CORPORATE PROFILE



WALWORTH
Since 1842

WALWORTH

We are one of the most important manufacturers of industrial valves in the world. Since our foundation in the 19th century by James Walworth, we have focused our efforts on innovating and producing different lines of products for fluid control.

The experience accumulated on this long and successful journey and the combination of a spirit of constant innovation allows us to provide satisfactory solutions to a wide range of industries and end users by meeting and exceeding the strictest quality standards. Some of these industries include petrochemical, gas, oil, electric power generation, pulp and paper processing companies related to geothermal and cryogenic technologies.

In our history, we have produced more than 40,000 different products which has placed us as a global corporation serving different markets. WALWORTH has facilities in Mexico, USA, and China for the manufacturing of valve lines in a complete flow of operations.

These include raw material warehouses, different types of machining, welding processes such as SMAW, GMAW, SAW, PAW, assembly, testing, painting process, packaging and shipping. In our facilities in Mexico, we have a testing laboratory for design validation which includes the following: tests for low and high temperature service, cryogenic tests, fire test, fugitive emission and magnet tests.

All this infrastructure allows us to satisfy the market of North America, Central America, South America, Europe and Africa. Our master distributors allow us to reach countries as far away as Indonesia, Singapore or Australia, as well as the Middle and Far East.



API-6A EXPANDING GATE PRODUCTION VALVES

MANUFACTURING RANGE

Type	Size	Pressure (PSI)	PSL	Material Class	Ends
Expanding Gate	2-1/16" to 7-1/16"	2000 to 5000	1 to 4	AA, BB, CC, DD, EE, FF	RJT – Threaded

DESIGN FEATURES

- Design according to the API-6A standard.
- Uni-directional valve.
- Full and continuous bore.
- Dual soft and metal-to-metal seal with airtight mechanical activation.
- Does not require lubrication in seats.
- Option available in soft and metal-to-metal seal coated in Tungsten Carbide, Chrome Carbide and Stellite-6.
- "V" type gasket system plus plastic gasket, reduces maintenance cost.
- Regasketing of the piston rod under pressure and with the gate in any position.
- Bearing box to reduce operating torque.
- Pressure tests according to API-6A.



TRUNNION BALL VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Trunnion ball valve with 3 piece bolted	2" to 60"	150, 300, 600, 900, 1500 & 2500#	RF, RTJ or BW
Trunnion ball valve with welded body	2" to 60"	150, 300, 600, 900, 1500 & 2500#	RF, RTJ or BW

DESIGN FEATURES

- Side entry design.
- Trunnion ball valves according to API-6D.
- Full and continuous bore.
- Welded body at the customer's request.
- Option available in soft and metal-to-metal seal coated in Tungsten Carbide, Chrome Carbide and Stellite.
- Body made of carbon steel or alloy and internal coating at the customer's request.
- Complies with the fire test according to the API-6FA, API-607 standard.
- Option available in full and continuous bore or reduced bore.
- Flange dimensions according to ASME B16.5 from 2" to 24" in nominal diameter.
- Flange dimensions according to MSS-SP-44, ASME B16.47 Series A or B for 26" and larger valves.
- Operation options: Lever, gear operator, electric, hydraulic or pneumatic, gas on oil actuator at the customer's request.
- Double block and purge.
- Uni-directional or bidirectional seats, SPE vs DPE.
- Antistatic device.
- NACE Service MR-01-75, ISO 15156 or MR-01-03/ISO 17945.
- Pressure tests according to API-6D.



SLAB GATE VALVES

“SLAB GATE THROUGH CONDUIT”

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Solid Gate Valves	2" to 48"	150, 300, 600, 900 & 1500#	RF, RTJ or BW

DESIGN FEATURES

- Design according to the API-6D standard.
- Full and continuous bore for the passage of cleaning tools.
- “Top Entry” design for maintenance on the line.
- Double block and blend.
- Uni-directional or bidirectional seats - self relieving or DPE.
- Emergency seal in seats through sealant injection greasers.
- The operation mode varies according to the customer's needs, since they can be operated by: Handwheel, chain operators, gear operators or electric, pneumatic or hydraulic actuators.
- Option available in soft and metal-to-metal seal coated in Tungsten Carbide, Chrome Carbide and Stellite-6.
- Flanged or fully weldable ends.
- Flanges conforming to the ASME/ANSI B16.5 standard from 2" to 24".
- Flanges conforming to the ASME/ANSI B16.47 series A or B standard for 26" and larger valves.
- Fireproof according to the API-6FA standard.
- Pressure tests according to API 6D.



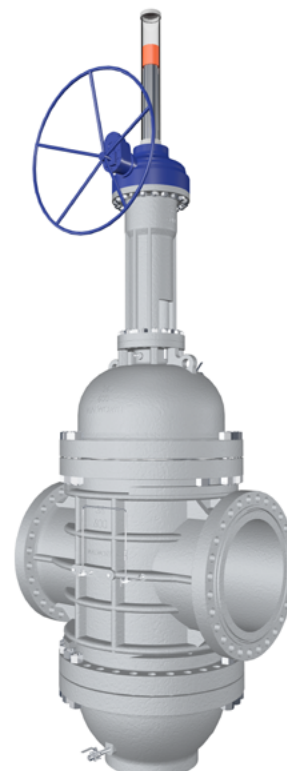
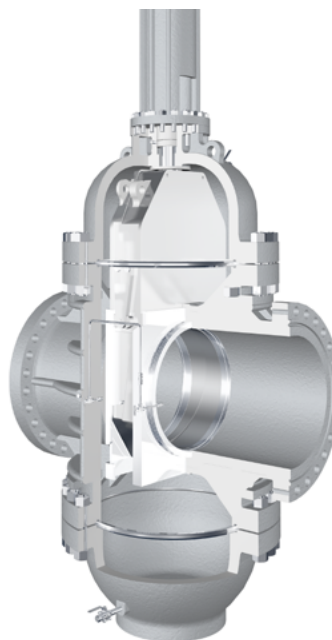
EXPANDING GATE VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Expanding Gate Valves	2" to 48"	150, 300, 600, 900, 1500 and 2500#	RF, RTJ or BW

DESIGN FEATURES

- Design according to the API-6D standard.
- Full and continuous bore for the passage of cleaning tools.
- “Top Entry” design for maintenance on the line.
- Double Block and Blend in open or closed position.
- Uni-directional and bidirectional seats, not self relieving.
- The operation mode varies according to the customer's needs, since they can be operated by: Handwheel, impact handwheel, chain operators, gear operators or electric, pneumatic or hydraulic actuators.
- Option available in soft seal and with hard coatings of tungsten carbide or stellite for aggressive services through the HVOF process.
- Flanged or fully weldable ends.
- Flanges conforming to the ASME B16.5 standard from 2" to 24".
- Flanges conforming to the ASME B16.47 series A or B standard for 26" and larger valves.
- Pressure tests according to API 6D.



STEEL LUBRICATED PLUG VALVES

MANUFACTURING RANGE

Compensator-type steel lubricated Plug valve (inverted plug)	Size	Pressure per class according to ASME B16.34	Ends
Short Model API-6D	2" to 12"	150, 300 & 600#	RF, RTJ or BW
Regular Model API-6D	1/2" to 12"	600, 900, 1500 & 2500#	RF, RTJ or BW
Ventury Model API-6D	6" to 36"	150, 300, 600, 900 & 1500#	RF, RTJ or BW
Compensator-type steel lubricated Plug valve (inverted Plug API-6A)	Size	Pressure per class according to API	Ends
Regular model for platform service	2 1/16" to 4 1/16"	2000, 3000 & 5000	RTJ or BW
Top Entry-type lubricated Plug valve (normal plug)	Size	Pressure per class according to ASME B16.34	Ends
Short Model API-6D	1/2" to 8"	150, 300#	RF, RTJ or BW
Regular Model API-6D	1/2" to 2"	600#	RF, RTJ or BW
Ventury Model API-6D	14" to 36"	150#	RF, RTJ or BW
Steel Plug valve for gas service	Size	Pressure per class according to ASME B16.34	Ends
Short Model API-6D	3/4" to 8"	150# ASME, 200 CWP	SW or BW



DESIGN FEATURES

- Compensator-type steel lubricated Plug valves (Inverted Plug) and Top Entry-type steel lubricated Plug valves (Normal Plug) that meet the specifications according to the API-6D & API-599 standards.
- Dynamic and mechanical balance to avoid Plug clogging in the valve.
- Raised face flanged ends or ring-type joint, threaded or weldable ends.
- Complies with the fire test according to API-6FA and API-607.
- Flanged or fully weldable ends.
- Flanges conforming to the ASME B16.5 standard from 2" to 24".
- Flanges conforming to the ASME B16.47 series A or B standard for 26" and larger valves.
- Operation with lever, gear operator, electric, hydraulic or pneumatic actuator, according to the customer's requirements.
- Bidirectional valve.
- Pressure tests according to API 6D.
- WALSEAL sealant for different applications.

TWIN STEEL LUBRICATED PLUG VALVES FOR DOUBLE BLOCK AND BLEED SERVICE

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
6D Inverted Plug Compensator Plug Valve	2" to 20"	150# and 300#	FR & BW
6D Inverted Plug Compensator Plug Valve	2" to 26"	600#	RF & RTJ & BW
6D Inverted Plug Compensator Plug Valve	2" to 16"	900# , 1500# and 2500#	RF & RTJ & BW

DESIGN FEATURES

- Compensator-type inverted-Plug steel lubricated Plug valves that meet the specifications according to API 6D standards.
- Dynamic balance to avoid Plug clogging in the valve.
- Raised face flanged ends, threaded or weldable ends.
- Flanged or fully weldable ends.
- Flanges conforming to the ASME B16.5 standard from 2" to 24".
- Flanges conforming to the ASME B16.47 series A or B standard for 26" and larger valves.
- Option with lever, gear operator or electric, hydraulic and pneumatic actuator, according to the customer's requirements.
- Pressure tests according to API 6D
- WALSEAL sealant for different applications.
- Bidirectional valve.



CAST STEEL GATE, GLOBE AND CHECK VALVES

MANUFACTURING RANGE

Type	Size	Pressure by class according to ASME B16.34	Ends
Gate	2" to 72"	150, 300, 600, 900, 1500 & 2500#	RF, RTJ or BW
Globe	2" to 20"	150, 300, 600, 900, 1500 & 2500#	RF, RTJ or BW
Swing-type Check	2" to 48"	150, 300, 600, 900, 1500 & 2500#	RF, RTJ or BW

DESIGN FEATURES

- Gate valves according to API-600, with solid, flexible, or parallel-disc gate.
- Gate and globe valves for cryogenic services with gas column according to BS-6364 at the customer's request.
- Flange dimensions according to ASME B16.5 from 2" to 24".
- Flange dimensions according to MSS-SP.44, ASME B16.47 Series A or B for valves with a nominal diameter of 26" and larger.
- Globe valves according to API-623.
- Check valves according to API-6D and API-594 Type B.
- Operation according to customer needs, which can be handwheel, impact-type handwheel, chain handwheel, gearbox, electric, pneumatic or hydraulic actuator.
- Control of fugitive emissions (ISO 15848-1 and API-624).
- Damper and counterweight for Check valves at the customer's request.
- Hydrostatic and pneumatic tests according to API-598.



VALVES MADE OF STAINLESS CAST STEEL AND SPECIAL ALLOYS; API 603 FOR GATE VALVE AND ASME B16.34 FOR GLOBE AND CHECK VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Gate	2" to 24"	150, 300 and 600#	RF, RTJ or WE
Globe	2" to 24"	150, 300 and 600#	RF, RTJ or WE
Check	2" to 24"	150, 300 and 600#	RF, RTJ or WE

DESIGN FEATURES

- Gate Valve designed according to API-603.
- Solid gate.
- Globe and Check Valves designed according to ASME B16.34
- Flange dimensions according to ASME B16.5.
- Gate and globe valves for cryogenic services, with gas column according to the BS-6364 standard.
- Handwheel, chain operator, electric actuator, pneumatic and hydraulic actuator at the customer's request.
- By-Pass, flashlight bushing, condensate chamber, grease injectors, special connections, etc.
- Control for low fugitive emissions.
- NACE Service MR0175 / ISO 15756 and MR0103 / ISO 17945
- Pressure tests according to API 598.



FORGED STEEL GATE, GLOBE AND CHECK VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34 for SW or NPT ends	Pressure per class according to ASME B16.34 for RF or RTJ flanged ends
Gate	1/4" to 2"	800, 1500 & 2500#	150, 300, 600, 900, 1500 & 2500#
Globe	1/4" to 2"	800, 1500 & 2500#	150, 300, 600, 900, 1500 & 2500#
Piston-type Check	1/4" to 2"	800, 1500 & 2500#	150, 300, 600, 900, 1500 & 2500#
Ball-type Check	1/4" to 2"	800, 1500 & 2500#	150, 300, 600, 900, 1500 & 2500#
Swing-type Check	1/4" to 2"	800, 1500 & 2500#	150, 300, 600, 900, 1500 & 2500#

DESIGN FEATURES

- Gate, Globe, Swing-type Check, Piston-type Check, "T" and "Y" design for Globe and Ball-type Check valves according to API-602.
- Fully weldable ends, threaded, combined ends, RF or RTJ flanges (flanges integrated into the body).
- Welded or flanged bonnet option.
- Integral or renewable seats.
- Control of fugitive emissions (ISO 15848-1 and API 624)
- NACE Service MR-0175, ISO 15156 or MR-01-03/ISO 17945.
- Pressure tests according to API 598.
- Option with gas column for cryogenic service.



CAST STEEL PRESSURE SEAL VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Gate	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
Globe	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
Stop Check	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
"Y" model globe	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
"Y" model Stop Check	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
Swing-type Check	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
Tilting Disc Check	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW
Lift Check	2" to 24"	600, 900, 1500 & 2500#	RF, RTJ or BW

DESIGN FEATURES

- Gate, globe, stop check, "Y" design globe, "Y" model stop check, swing-type Check, tilting disc check and lift check pressure seal valves according to ASME B16.34.
- Flexible gate or sliding parallel disc for gate valve.
- The operation mode varies according to the customer's needs, since it can be operated by handwheel, impact-type handwheel, chain handwheel, gearbox, electric, pneumatic or hydraulic actuator.
- Damper and counterweight for Check valves.
- Bypass, bushings, condensate chamber, grease injectors, connections, etc.
- Extra deep gasket box available at the customer's request.
- Pressure tests according to API 598.



FLOATING BALL VALVES

MANUFACTURING RANGE

Type	Material	Size	Class	Ends	Design standard
3-pcs Floating Ball Valve	Brass	1/4" to 2"	600# WOG	Threaded	MSS SP-72
3-pcs Floating Ball Valve	WCB	1/4" to 4"	1000 WOG	Threaded or Socket Weld	MSS SP-72
3-pcs Floating Ball Valve	WCB	1/4" to 2"	2000 WOG	Threaded or Socket Weld	MSS SP-72
3-pcs Floating Ball Valve	CF8M	1/4" to 4"	1000 WOG	Threaded or Socket Weld	MSS SP-72
3-pcs Floating Ball Valve	CF8M	1/4" to 2"	2000 WOG	Threaded or Socket Weld	MSS SP-72
2-pcs Floating Ball Valve	WCB	1/4" to 8"	150#	Raised Face Flanged RF	MSS SP-110, API 608
2-pcs Floating Ball Valve	WCB	1/2" to 4"	300#	Raised Face Flanged RF	MSS SP-110, API 608
2-pcs Floating Ball Valve	WCB	1/2" to 4"	600#	Raised Face Flanged RF	MSS SP-110, API 608
2-pcs Floating Ball Valve	CF8M	1/2" to 8"	150#	Raised Face Flanged RF	MSS SP-110, API 608
2-pcs Floating Ball Valve	CF8M	1/2" to 4"	300#	Raised Face Flanged RF	MSS SP-110, API 608
2-pcs Floating Ball Valve	CF8M	1/2" to 4"	600#	Raised Face Flanged RF	MSS SP-110, API 608

DESIGN FEATURES

- Floating Ball valves are designed according to the MSS SP72, MSS SP110, API-608, API-6D standards.
- The design can be made up of two or three pieces.
- Full or Reduced Bore according to the customer's requirement.
- The ends can be flanged, threaded or in a welding box.
- The operation can be manual with lever or with gear operator according to the customer's requirements.
- Firesafe design per API 607.
- Padlock device available at the customer's request.
- Pressure tests according to API 598, API 6D and MSS SP 110.
- NACE per MR-01-75



FLOATING BALL VALVES FOR SEVERE SERVICE (OIL VALVE)

MANUFACTURING RANGE

Type	Material	Size	Class	Ends
3-pcs Floating Ball Valve	A-105N, LF2 or SS-316	1/4" to 2"	2000 WOG	Socket Weld, Threaded, Mixed
3-pcs Floating Ball Valve	A-105N, LF2 or SS-316	1/4" to 2"	3000 WOG	Socket Weld, Threaded, Mixed
3-pcs Floating Ball Valve	A-105N, LF2 or SS-316	1/4" to 2"	6000 WOG	Socket Weld, Threaded, Mixed
3-pcs Floating Ball Valve	A-105N, LF2 or SS-316	1/4" to 2"	600 ASME	Socket Weld, Threaded, Mixed
3-pcs Floating Ball Valve	A-105N, LF2 or SS-316	1/4" to 2"	800 ASME	Socket Weld, Threaded, Mixed
3-pcs Floating Ball Valve	A-105N, LF2 or SS-316	1/4" to 2"	900/1500 ASME	Socket Weld, Threaded, Mixed

DESIGN FEATURES

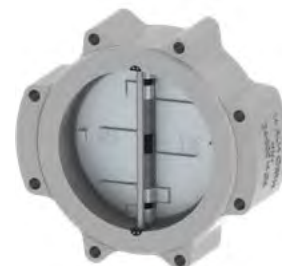
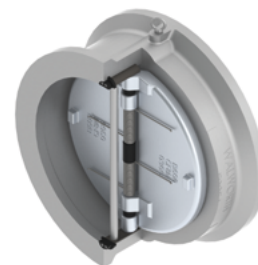
- The floating ball valves for service are designed for use on platforms or in oil facilities where more robust design features are required.
- These are designed according to ASME B16.34.
- Screwed or welded body at the request of the customer.
- Design option with heat diffuser plates to avoid damage to the seats during the welding process.
- Interiors in materials of high mechanical strength and suitable for NACE service.
- Supplied with lever and with mounting plate to install mechanical or automated operator.
- Fireproof valve according to API-607.
- Pressure tests according to API 598.
- NACE per MR-01-75



DUAL PLATE WAFER-TYPE CHECK VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Wafer-Type Dual Plate Valve	2" to 36"	150, 300, 600, 900 & 1500#	FF, RF, RTJ
LUG-Type Dual Plate Valve	2" to 36"	150, 300, 600, 900 & 1500#	FF, RF, RTS



DESIGN FEATURES

- Design according to API-594.
- Compact one-piece dual plate wafer-type or LUG (or slotted) type design.
- Patented spring that allows the soft closing of the disc, in order to prevent rupture and premature wear.
- It has a shaft, which is heavy duty and corrosion resistant.
- Two plates offer maximum resistance with maximum time in open position.
- Total contact with metal-to-metal seats that allow an airtight seal at a minimum working pressure.
- It has thrust sheaves to reduce the friction and wear of the forks.
- Pressure tests according to API 598.

RELIEF AND SAFETY VALVES

MANUFACTURING RANGE

Type	Size	Pressure per class according to ASME B16.34	Ends
Bronze Safety Valves	1/2" to 2 1/2"	15 a 300 PSIG (steam), 350 (air or gas)	Threaded
Bronze Relief Valves	1/2" to 3"	300 PSIG except 3", which is 150 PSIG.	Threaded
Steel Safety and Relief Valves	1/2" x 1", 1" x 1"	15 to 2000 PSI	Threaded, Socket Weld or Flanged RF
	3/4" x 1", 2" x 2"	15 to 5000 PSI	
Type	Size	Class of inlet and outlet flange	Ends
Steel Safety and Relief Valves	1" x 2" to 8" x 10"	150 x 150, 300 x 150, 600 x 150	Flanged RF



DESIGN FEATURES

For safety valves (Gas and Steam Service).

- Lateral discharge (according to the pipe).
- Threaded ends according to ANSI B1.20.1.
- Minimum calibration pressure 1.05Kg/cm² (15 psig); for calibrations of less than 15 PSI, consult your nearest WALWORTH dealer.
- Maximum operating pressure with steam from 15 psig to 300 psig.
- Maximum operating pressure with air or gas from 300 psig to 350 psig.

For relief valves (WALWORTH standard)

(Services of non-corrosive liquids for bronze).

- Lateral discharge (according to the pipe).
- Threaded ends according to ASME B1.20.1.
- Minimum calibration pressure 0.35Kg/cm² (5 psig).
- Maximum operating temperature 406 °F (208 °C).

For Safety and Relief valves (Services of air, gases or liquids, depending on the application required).

- Designs: Conventional, bonded, soft seals, open bonnet, closed bonnet, at the request of the customer.
- Soft seats or metal-to-metal seals according to the customer's requirements.
- High capacity for pressure release.
- Stainless steel interiors.
- Flanged ends according to ASME B16.5, or threaded according to ASME B1.1.
- Types of hole from D to T.

IRON LUBRICATED PLUG VALVES

MANUFACTURING RANGE

Design	Size	Pressure per class according to API	Ends
Short Model	1/2" to 12"	200 CWP	Threaded or RF
Regular Model	2" to 18"	200 CWP	Threaded or RF
Ventury Model	6" to 18"	175 CWP	Threaded or RF
Ventury Model	6" to 8"	500 CWP	Threaded or RF

DESIGN FEATURES

- Design according to API-599 and MSS-SP-78.
- Spring mechanical balancing to avoid clogging of the plug.
- Threaded ends according to ASME B1.20.1.
- Flanged ends according to ASME B16.5.
- Operation with lever or gear operation.
- Bidirectional valve.
- Locking device with padlock at the customer's request.
- Extensions and elevations in the valves for their operation.
- WALSEAL sealant for different applications.
- Pressure tests according to API 598 & MSS SP-78.



IRON GATE, GLOBE AND CHECK VALVES

MANUFACTURING RANGE OF VALVES FOR DRINKING WATER SERVICE

Type	Manufacturing design	Size	Material	Trim	CWP	Ends
OS&Y gate-type metal-to-metal seals with interior epoxy	MSS-SP-70	2" to 24"	A536 65-45-12	Bronze; SS-420	125	FF
OS&Y gate-type metal-to-metal seals with interior epoxy	MSS-SP-70	2" to 12"	A536 65-45-12	Bronze; SS-420	250	Slotted
NRS gate-type metal-to-metal seals with interior epoxy	MSS-SP-70	2" to 24"	A536 65-45-12	Bronze; SS-420	125	FF
OS&Y gate-type resilient seals with interior epoxy	AWWA C515	2" to 24"	A536 65-45-12	EPDM; SS-420	125	FF
NRS gate-type resilient seals with interior epoxy	AWWA C515	2" to 24"	A536 65-45-12	EPDM; SS-420	125	FF
OS&Y globe-type metal-to-metal seals with interior epoxy	MSS-SP-85	2" to 12"	A126 Clase B	Bronze	125	FF
Check type resilient seal with internal epoxy	AWWA C515	2" to 24"	A536 65-45-12	EPDM; SS-420	125	FF

MANUFACTURING RANGE OF VALVES FOR FIREPROOF SERVICE UL/FM

Type	Manufacturing design	Size	Material	Trim	CWP	Ends
OS&Y gate-type resilient seals with interior epoxy	AWWA C515	2" to 12"	A536 65-45-12	EPDM; SS-420	300	FF, Slotted
NRS gate-type resilient seals with interior epoxy	AWWA C515	2 1/2" to 12"	A536 65-45-12	EPDM; SS-420	300	FF, Slotted
Check type resilient seal with internal epoxy	AWWA C508	2" to 24"	A536 65-45-12	DI/EPDM; BRONCE	300	FF, Slotted

MANUFACTURING RANGE OF VALVES FOR GENERAL SERVICES

Type	Manufacturing design	Size	Material	Trim	CWP	Ends
OS&Y gate-type metal-to-metal seal	MSS-SP-70	2" to 36"	A126 Class B	Bronze/Brass B16	125	FF,
OS&Y gate-type metal-to-metal seal	MSS-SP-70	2" to 36"	A126 Class B	Bronze/Brass B16	250	FF,
NRS gate-type metal-to-metal seal	MSS-SP-70	2" to 36"	A126 Class B	Bronze/Brass B16	125	FF,
OS&Y globe-type metal-to-metal seal	MSS-SP-85	2" to 12"	A126 Class B	Bronze/Brass B16	125	FF,
OS&Y globe-type metal-to-metal seal	MSS-SP-85	2" to 12"	A126 Class B	Bronze/Brass B16	250	FF,
Check-type metal-to-metal seal	MSS-SP-71	2" to 24"	A126 Class B	Bronze/Brass B16	125	FF,
Check-type metal-to-metal seal	MSS-SP-71	2" to 24"	A126 Class B	Bronze/Brass B16	250	FF,

DESIGN FEATURES

- Design according to the characteristics of the service.
- Rising stem (OS&Y) or fixed stem (NRS) style.
- Operation with handwheel or gear operator in gate and globe types.
- Accessories such as stems with extensions or floor mounts.
- In Check, there is an option with lever and counterweight.
- Pressure tests according to API-598.



AWWA-TYPE BUTTERFLY VALVES

MANUFACTURING RANGE OF VALVES FOR DRINKING WATER SERVICE						
Type	Manufacturing design	Size	Material	Trim	CWP	Ends
Butterfly-type resilient seal with internal epoxy	AWWA C504	3" to 24"	A126 Class B	Shaft: SS-420; Seat: rubber; Disc: ductile iron/seal 316.	150 with flanges 125	FF
Butterfly-type resilient seal with internal epoxy	AWWA C504	3" to 24"	A126 Class B	Shaft: SS-420; Seat: rubber; Disc: ductile iron/seal 316.	150 with flanges 125	MJ
Butterfly-type Wafer-style resilient seal with internal epoxy; lever up to 12"; 16" to 24" gear operator	MSS-SP-67	1 1/2" to 24"	A126 Class B	Shaft: SS-420; Seat: EPDM; Disc: ductile iron/chromed.	232 (16bar)	Wafer
Butterfly-type Wafer-style resilient seal with internal epoxy; lever up to 12"; 16" to 24" gear operator	MSS-SP-67	1 1/2" to 24"	A126 Class B	Shaft: SS-420; Seat: EPDM; Disc: ductile iron/chromed.	362 (25bar)	Wafer
Lug-type Wafer-style resilient seal with internal epoxy; lever up to 12"; 16" to 24" gear operator	MSS-SP-67	1 1/2" to 24"	A126 Class B	Shaft: SS-420; Seat: EPDM; Disc: ductile iron/chromed.	232 (16bar)	Lug
Lug-type Wafer-style resilient seal with internal epoxy; lever up to 12"; 16" to 24" gear operator	MSS-SP-67	1 1/2" to 24"	A126 Class B	Shaft: SS-420; Seat: EPDM; Disc: ductile iron/chromed.	362 (25bar)	Lug
Butterfly-type Slotted-style resilient seal with internal epoxy; lever up to 12"; 16" to 24" gear operator	MSS-SP-67	2" to 12"	A126 Class B	Shaft: SS-420; O-ring: EPDM; Disc: ductile iron/EPDM.	232 (16bar)	Slotted
MANUFACTURING RANGE OF VALVES FOR FIREPROOF SERVICE UL/FM						
Type	Manufacturing design	Size	Material	Trim	CWP	Ends
Butterfly-type Wafer-style resilient seal with internal and external epoxy A550; gear operator.	Standard	2" to 24"	A536 65-45-12	Flecha: SS-431; Asiento: EPDM; Disco: hierro ductil/EPDM.	300 psi	Wafer
Butterfly-type Slotted-style resilient seal with internal and external epoxy A550; gear operator.	Standard	2" to 24"	A536 65-45-12	Flecha: SS-431; OE: hierro ductil/Bronce; Disco: hierro ductil/EPDM.	300 psi	Slotted AWWA C606

DESIGN FEATURES

- Uninterrupted seal along the 360° of the disc.
- Wafer, Lug or Slotted ends style.
- Manual operation by lever, gear operator or automated.
- Other interiors available at the request of the client.
- Soft seals can be EPDM, neoprene or NBR.
- Pressure tests according to API-598.



INDUSTRIAL BRONZE GATE, GLOBE AND CHECK VALVES

MANUFACTURING RANGE			
Type	Size	Pressure per class according to ASME B16.34	Ends
Gate Valve	1/4" to 2"	125, 150#	Threaded, welded
Globe Valve	1/4" to 2"	125, 150#	Threaded, welded
Horizontal Swing-Type Check Valve	1/4" to 2"	125, 150#	Threaded, welded
"Y" Swing-Type Check Valve	1/4" to 2"	125, 150#	Threaded, welded

DESIGN FEATURES

- Design according to MSS-SP-80 standard.
- Threaded bonnet or union nut design.
- Rising or fixed stem option.
- Threaded or weldable ends.
- Operated by handwheel.
- Integral seats.





WILLIAMS

VALVE CORPORATION



PRODUCT LINE OVERVIEW



WILLIAMS PROFILE

Rugged Reliable Valves since 1918

LOCATIONS:

- HEAD OFFICE: Long Island City, NY
- TEXAS BRANCH: Houston, TX
- CARBON STEEL GGC & BALL: Dafeng, China
- STAINLESS & ALLOY GGC: Busan, Korea
- DOMESTIC & NAVY PRODUCTS: LIC, NY

PRODUCT LINE:

- Cast & Forged Steel Gate, Globe, & Check Valves
- Forged Trunnion mounted Ball Valves
- Marine Valves for Commercial Vessels
- 100% made in the USA Valves for US Navy
- API-6D Pipeline Slab and Expanding Gate Valves
- Cast & Forged Stainless and Alloy Steel Valves for corrosive service
- Pressure seal bonneted valves for power and high-pressure applications
- Emergency Shutoff Valves for Tanks and Terminals
- Cryogenic service valves with extended bonnets

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- Check Valve Products 14
- Specialty Valve Products 16



Industry leading inventory of Stainless Steel GGC in Houston



Manufacturing and testing at our Williams' New York Location



VALVE TYPE	SIZE																											
	ASME CLASS	0.50	0.75	1.0	1.5	2	3	3	4	5	6	8	10	12	14	16	18	20	22	24	26	30	36	42	48	60		
BB GATE	150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	800	✓	✓	✓	✓																✓	✓	✓	✓				
	900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
	1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓														
	2500	✓	✓	✓	✓	✓	✓	✓	✓																			
BB GLOBE	150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
	600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
	800	✓	✓	✓	✓																							
	900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓															
	1500	✓	✓	✓	✓	✓	✓	✓	✓	✓																		
	2500	✓	✓	✓	✓	✓	✓	✓	✓																			
BB CHECK	150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
	800	✓	✓	✓	✓																							
	900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓														
	1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓															
	2500	✓	✓	✓	✓	✓	✓	✓	✓																			
API-608 FLOATING BALL	150			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓															
	300			✓	✓	✓	✓	✓	✓	✓	✓	✓																
	600			✓	✓	✓	✓	✓	✓																			
	1500			✓	✓	✓																						
API-6D FORGED TRUNNION	150					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	300					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	600					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	900					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	1500					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓			
	2500					✓	✓	✓	✓	✓	✓																	
PRESSURE SEAL GGC	600					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	900					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	1500					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	2500					✓	✓	✓	✓	✓	✓	✓	✓															
API 6D SLAB/CHECK	150					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	300					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	600					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
	900					✓	✓	✓	✓	✓	✓	✓	✓	✓														

1. For valves larger than 42" CL150 and 24" CL600 wall thicknesses will be per ASME B16.34
2. API-602 available in Bolted and Welded Bonnet

Designs:

✓	API-603 / 600	✓	ASME B16.34 / API-594
✓	API-600	✓	API-594
✓	ASME B16.34 / API-623	✓	API-602
✓	API-623		

● BALL VALVE PRODUCTS



TRUNNION MOUNTED BALL VALVE 2 PC BODY



FEATURES

Size: 2"–4"
Class: ASME 150-300-600
Two Piece Forged Steel Body
Trunnion Mounted Ball, Full & Reduced Bore
Anti-Static Device
Blow-out Proof Stem
Fire Safe Design
Centre Cavity Emergency sealant injection port
Low Emission
DB & B

SPECIFICATIONS

Design: ASME B16.34/API 6D
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 6D
Fire Safe Test: API 6FA
NACE MR0175
DIB Optional

TRUNNION MOUNTED BALL VALVE 3 PC BODY



FEATURES

Size: 2"–56"
Class: ASME 150-300-600-900-1500-2500
Three Piece Forged Steel Body
Trunnion Mounted Ball, Full & Reduced Bore
Anti-Static Device
Blow-out Proof Stem
Fire Safe Design
Emergency Sealant Injector (6" & Larger)
Low Emission
DB & B

SPECIFICATIONS

Design: ASME B16.34/API 6D
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 6D
Fire Safe Test: API 6FA
NACE MR0175
DIB Optional

WELDED BODY BALL VALVE



FEATURES

Size: 2"–48"
Class: ASME 150-300-600-900-1500-2500
Fully Welded Forged Steel Body
Trunnion Mounted Ball, Full & Reduced Bore
Anti-Static Device
Blow-out Proof Stem
Double Block and Bleed
Fire Safe Design
Emergency Sealant Injector (6" & Larger)
Lifting Lugs (8" & Larger)
Low Emission
DB & B

SPECIFICATIONS

Design: ASME B16.34/API 6D
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Fire Safe Test: API 6FA
NACE MR0175
DIB Optional

METAL SEATED BALL VALVE



FEATURES

Size: 2"–24"
Class: ASME 150-300-600-900-1500-2500
Three Piece Forged Steel Body
Trunnion Mounted Ball
Full & Reduced Bore
Anti-Static Device
Blow-out Proof Stem
Fire Safe Design
Low Emission
DB & B

SPECIFICATIONS

Design: ASME B16.34/API 6D
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 6D
Fire Safe Test: API 607/API 6FA
Higher temperature optional
NACE MR0175

FLOATING BALL VALVE 2 PC BODY



FEATURES

Size: 1"–12"
Class: ASME 150-300
Two Pieces Cast Steel Body
Floating Ball, Full & Reduced Bore
Anti-Static Device
Blow-out Proof Stem
Fire Safe Design
Low Emission

SPECIFICATIONS

Design: ASME B16.34/API 608
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 598
Fire Safe Test: API 607
NACE MR0175

CAST TRUNNION MOUNTED BALL VALVE



FEATURES

Size: 2"–24"
Class: ASME 150-300-600
Two Piece Cast Steel Body
Trunnion Mounted Ball
Full & Reduced Bore, Anti-Static Device
Blow-out Proof Stem
Fire Safe Design
Emergency Sealant Injector (6' & Larger)
Low Emission
DB & B

SPECIFICATIONS

Design: ASME B16.34/API 6D
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 6D
Fire Safe Test: API 6FA
NACE MR0175
DIB Optional

TOP ENTRY BALL VALVE



FEATURES

Size: 2"– 48"
Class: ASME 150-300-600-900-1500-2500
1 Piece Forged Steel Body
Trunnion Mounted Ball, Full & Reduced Bore
Anti-Static Device
Blow-out Proof Stem
Double Block and Bleed
Fire Safe Design
Emergency Sealant Injector (6" & Larger)
Vent Valve (6" & Larger)
Lifting Lugs (8" & Larger)
Low Emission

SPECIFICATIONS

Design: ASME B16.34/API 6D
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 6D
Fire Safe Test: API 6FA
NACE MR0175

CRYOGENIC SERVICE BALL VALVE



FEATURES

Size: 1/2"– 24"
Class: ASME 150-300-600-900
Cryogenic Service to -196°C
Forged or Cast Steel Body
Floating & Trunnion Mounted Ball
Full & Reduced Bore
Extended Bonnet, Lip Seal
Cavity Pressure Relief
Anti-Static Device
Blow-out Proof Stem
Fire Safe Design

SPECIFICATIONS

Design: ASME B16.34/API 608/MSS SP-134
Face to Face: API 6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API 6D
Fire Safe Test: API 6FA
NACE MR0175



BOLTED BONNET WEDGE GATE



FEATURES

Size: 2" – 60"
ASME Class: 150-300-600-900-1500-2500
Cast Steel Bolted Bonnet, OS&Y Rising Stem
Full Port to API-600
API 624 Certified Graphite Packing
Ground and Lapped Renewable Seat rings
Semi-metallic bonnet gasket (CL150-300)
Ring Joint bonnet gasket (CL600-900-1500-2500)
Fully Guided discs
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-600 / ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-598
NACE: MR0175 / MR0103
Fugitive Emissions: API-622 / API-624
Bosses for bypasses & Drains
Available Materials: WCB-LCC-WC6-WC9-C12-316SS-CD3MN

CORROSION RESISTANT BOLTED BONNET WEDGE GATE



FEATURES

Size: 2" – 36"
ASME Class: 150-300-600-900-1500-2500
Cast Bolted Bonnet, OS&Y Rising Stem
API 624 Certified Graphite Packing
Ground and Lapped Renewable Seat rings
Semi-metallic bonnet gasket
Fully Guided discs
Teflon Packing Optional
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-603 / ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-598
Fugitive Emissions: API-622 / API-624
Bosses for bypasses & Drains
Available materials: 304SS-316SS-347SS-CD3MN-Inconel 625-Monel 400-Alloy 20
NACE by request

API-6D THROUGH CONDUIT GATE



FEATURES

Size: 2" – 42"
ASME Class: 150-300-600-900-1500
Cast Steel Bolted Bonnet, OS&Y Rising Stem
Adjustable Low Emission Graphite Packing
3 Mil ENP coated seat rings / slab / stem
Slab & Expanding Styles
Through conduit full bore for pigs & Scrapers
Double Block and Bleed (Optional DIB)
Independent Coil seat springs
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-6D
Face to Face: API-6D
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-6D
Fugitive Emissions: API-622
Bosses for bypasses & Drains
Available materials: WCC-WCB-LCC-316SS
Firesafe API-6FA
NACE MR-0175

PRESSURE SEAL BONNET WEDGE GATE & PARALLEL SLIDE GATE



FEATURES

Size: 2" – 36"
ASME Class: 600-900-1500-2500
Cast Steel PS Bonnet, OS&Y Rising Stem
Low Emission Graphite Packing to API-622
Ground and Lapped Renewable Seat rings
Graphoil or Metal PS Gasket
Fully Guided discs
Parallel Slide – Position Seated
Wedge Gate – Torque Seated
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: ASME B16.34 / MSS-SP144 / API-600
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-598
Fugitive Emissions: API-622 / API-624
Bosses for bypasses & drains
Available materials: WCB-LCC-WC6-WC9-C12-316SS
NACE by request

FORGED STEEL BOLTED BONNET WEDGE GATE



FEATURES

Size: 0.5" – 3"
 ASME Class: 150-300-600-800-900-1500-2500
 Forged Steel Bolted Bonnet, OS&Y Rising Stem
 Ground and lapped pressed in Seat Rings
 Spiral Wound Bonnet gasket
 Full Port or Standard port
 API 624 Certified Graphite Packing
 NACE MR0175 / MR0103
 Options: Extended Bonnet / Extended Body
 End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
 Face to Face: MFG standard
 End Flange: ASME B16.5
 BW End: ASME B16.25
 SW ends to ASME B16.11
 Screwed end to ASME B1.20.1
 Test: API-598
 Fugitive Emissions: API-622 / API-624
 Available materials: A105-LF2-F5-F9-F11-F22-F91-304SS-316SS-317SS-347SS-F51-F53-Inconel-Monel

FORGED STEEL WELDED BONNET WEDGE GATE



FEATURES

Size: 0.5" – 3"
 ASME Class: 150-300-600-800-900-1500-2500
 Forged Steel Welded Bonnet (Strength Weld)
 Ground and lapped pressed in Seat Rings
 Full Port or Standard port
 OS&Y Rising Stem
 API 624 Certified Graphite Packing
 NACE MR0175
 Options: Extended Bonnet / Extended Body
 End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
 Face to Face: MFG standard
 End Flange: ASME B16.5
 BW End: ASME B16.25
 SW ends to ASME B16.11
 Screwed end to ASME B1.20.1
 Test: API-598
 Fugitive Emissions: API-622 / API-624
 Available materials: A105-LF2-F5-F9-F11-F22-F91-304SS-316SS-317SS-347SS-F51-F53-Inconel-Monel

CRYOGENIC CAST STEEL BOLTED BONNET WEDGE GATE



FEATURES

Size: 2" – 24"
 ASME Class: 150-300-600-900-1500
 Cast Steel Bolted Bonnet, OS&Y Rising Stem
 Fully Guided discs
 Spiral Wound bonnet gasket
 Extended Bonnet, Equalization vent holes
 Major components receive Cryogenic subzero conditioning before machining to ensure high quality standards for cryogenic service
 End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-603 / ASME B16.34
 Face to Face: ASME B16.10
 End Flange: ASME B16.5
 BW End: ASME B16.25
 Test: API-598 / MSS SP-134
 Fugitive Emissions: API-622 / API-624
 Available materials: 316SS
 Optional: Cryogenic testing to ISO or BS code

CRYOGENIC FORGED STEEL BOLTED BONNET WEDGE GATE



FEATURES

Size: 0.5" – 2"
 ASME Class: 150-300-600-800-900-1500
 Forged body with one-piece extended bonnet
 OS&Y Rising Stem
 Low Emission Graphite Packing to API-622
 Ground and lapped pressed in Seat Rings
 Spiral Wound bonnet gasket
 Extended Bonnet
 Equalization vent holes
 End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
 Face to Face: MFG standard
 End Flange: ASME B16.5
 BW End: ASME B16.25
 SW ends to ASME B16.11
 Screwed end to ASME B1.20.1
 Test: API-598 / MSS SP-134
 Fugitive Emissions: API-622 / API-624
 Available materials: F316SS



CAST STEEL MARINE WEDGE GATE ABS TYPE APPROVED



FEATURES

Size: 2"-24"
ASME Class: 150-300
Bolted Bonnet
Rising or Non-Rising Stem
Fully Guided disc
Calibrated position indicator
Standard trim: Bronze or 13Cr/HF
Graphoil Packing
Adaptable for reach-rod systems
End Connections: RF, BW

SPECIFICATIONS

Design: API600 / ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-598
Fugitive Emissions: API-622
Bosses for bypasses & drains
Available materials: WCB-316SS

BRONZE MARINE WEDGE GATE ABS TYPE APPROVED



FEATURES

Size: 2" - 12"
ASME Class: 150
Bolted Bonnet
OS&Y or Non-Rising
Fully Guided discs
Calibrated position indicator
Standard Bronze Trim
Adaptable for reach-rod systems
Integral backseat
End Connections: RF

SPECIFICATIONS

Design: ASME B16.24
Face to Face: MFG standard
End Flange: ASME B16.5
Test: MSS SP-80
Available materials: B61-B62-Monel-Titanium

MIL-SPEC WEDGE GATE



FEATURES

Size: 1"-12"
ASME Class: 150-300
Bolted Bonnet
OS&Y
Mil-Spec valves are special orders for U.S. government only
Valves are made in the USA
Shock & Vibe tested
Connections: RF

SPECIFICATIONS

Design: ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-598
Bosses for bypasses & drains
Available materials: Composition A, B, C, D & E
Per MIL-V-18110F

BOLTED BONNET T-PAT & Y-PAT GLOBE



FEATURES

Size: 2" – 30"
 ASME Class: 150-300-600-900-1500-2500
 Cast Steel Bolted Bonnet, OS&Y Rising Stem
 API 624 Certified Graphite Packing
 Ground and Lapped Renewable Seat rings
 Semi-metallic bonnet gasket (CL150-300)
 Ring Joint bonnet gasket (CL600-900-1500-2500)
 Body Guided discs
 Optional Stop Check Feature
 End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-623 / ASME B16.34
 Face to Face: ASME B16.10
 End Flange: ASME B16.5 / B16.47
 BW End: ASME B16.25
 Test: API-598
 NACE: MR0175 / MR0103
 Fugitive Emissions: API-622 / API-624
 Bosses for bypasses & Drains
 Available Materials: WCB-LCC-WC6-WC9-
 C12-316SS-CD3MN

CORROSION RESISTANT BOLTED BONNET GLOBE



FEATURES

Size: 2" – 30"
 ASME Class: 150-300-600-900-1500-2500
 Cast Bolted Bonnet, OS&Y Rising Stem
 API 624 Certified Graphite Packing
 Ground and Lapped Renewable Seat rings
 Semi-metallic bonnet gasket
 Fully Guided discs
 Optional Teflon Packing
 End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: ASME B16.34
 Face to Face: ASME B16.10
 End Flange: ASME B16.5 / B16.47
 BW End: ASME B16.25
 Test: API-598
 Fugitive Emissions: API-622 / API-624
 Bosses for bypasses & Drains
 Available materials: 304SS-316SS-347SS-
 CD3MN-Inconel 625-Monel 400-Alloy 20
 NACE by request

PRESSURE SEAL BONNET T-PAT & Y-PAT GLOBE



FEATURES

Size: 2" – 24"
 ASME Class: 600-900-1500-2500
 Cast Steel PS Bonnet, OS&Y Rising Stem
 Ground and Lapped Renewable Seat rings
 Body Guided Discs
 Graphoil or Metal PS Gasket
 Non-rotating stem
 Low Emission Graphite Packing to API-622
 Optional Stop Check Feature
 End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: ASME B16.34 / MSS-SP144
 Face to Face: ASME B16.10
 End Flange: ASME B16.5 / B16.47
 BW End: ASME B16.25
 Test: API-598
 Fugitive Emissions: API-622 / API-624
 Bosses for bypasses & drains
 Available materials: WCB-LCC-WC6-
 WC9-C12-316SS
 NACE by request

FORGED STEEL BOLTED BONNET GLOBE



FEATURES

Size: 0.5" – 2"
 ASME Class: 150-300-600-800-900-1500-2500
 Forged Steel Bolted Bonnet, OS&Y Stem
 Ground and lapped pressed in Seat Rings
 Spiral Wound Bonnet gasket
 API 624 Certified Graphite Packing
 NACE MR0175 / MR0103
 Options: Extended Bonnet / Extended Body
 End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
 Face to Face: MFG standard
 End Flange: ASME B16.5
 BW End: ASME B16.25
 SW ends to ASME B16.11
 Screwed end to ASME B1.20.1
 Test: API-598
 Fugitive Emissions: API-622 / API-624
 Available materials: A105-LF2-F5-F9-F11-F22-
 F91-304SS-316SS-317SS-347SS-F51-F53-
 Inconel-Monel



FORGED STEEL WELDED BONNET GLOBE



FEATURES

Size: 0.5" – 2"
 ASME Class: 150-300-600-800-900-1500-2500
 Forged Steel Welded Bonnet (Strength Weld)
 Ground and lapped pressed in Seat Rings
 OS&Y Rising Stem
 API 624 Certified Graphite Packing
 NACE MR0175 / MR0103
 Options: Extended Bonnet / Extended Body
 End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
 Face to Face: MFG standard
 End Flange: ASME B16.5
 BW End: ASME B16.25
 SW ends to ASME B16.11
 Screwed end to ASME B1.20.1
 Test: API-598
 Fugitive Emissions: API-622 / API-624
 Available materials: A105-LF2-F5-F9-F11-F22-F91-304SS-316SS-317SS-347SS-F51-F53-Inconel-Monel

CRYOGENIC CAST STEEL BOLTED BONNET GLOBE



FEATURES

Size: 2" – 24"
 ASME Class: 150-300-600-900-1500
 Cast Steel Bolted Bonnet, OS&Y Rising Stem
 Fully Guided discs
 Spiral Wound bonnet gasket
 Extended Bonnet
 Major components receive Cryogenic subzero conditioning before machining to ensure high quality standards for cryogenic service
 End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: ASME B16.34
 Face to Face: ASME B16.10
 End Flange: ASME B16.5
 BW End: ASME B16.25
 Test: API-598 / MSS SP-134
 Fugitive Emissions: API-622 / API-624
 Bosses for bypasses & Drains
 Available materials: 316SS
 Optional: Cryogenic testing to ISO or BS code

CRYOGENIC FORGED STEEL BOLTED BONNET GLOBE



FEATURES

Size: 0.5"- 2"
 ASME Class: 150-300-600-800-900-1500
 Forged body, one-piece extended bonnet
 OS&Y Rising Stem
 Low Emission Graphite Packing to API-622
 Ground and lapped pressed in Seat Rings
 Spiral Wound bonnet gasket
 Extended Bonnet
 End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
 Face to Face: MFG standard
 End Flange: ASME B16.5
 BW End: ASME B16.25
 SW ends to ASME B16.11
 Screwed end to ASME B1.20.1
 Test: API-598 / MSS SP-134
 Fugitive Emissions: API-622 / API-624
 Available materials: F316SS

CAST STEEL MARINE T-PAT & ANGLE GLOBE - ABS TYPE APPROVED



FEATURES

Size: 2"-16"
 ASME Class: 150
 Bolted Bonnet
 Rising Hand wheel
 Fully Guided disc
 Trim: Aluminum Bronze
 Graphoil Packing
 Stop Check Feature (Optional)
 End Connections: RF, BW

SPECIFICATIONS

Design: ASME B16.34
 Face to Face: ASME B16.10
 End Flange: ASME B16.5
 BW End: ASME B16.25
 Test: API-598
 Fugitive Emissions: API-622
 Bosses for bypasses & drains
 Available materials: WCB

BRONZE MARINE T-PAT & ANGLE GLOBE - ABS TYPE APPROVED



FEATURES

Size: 1½"-12"
ASME Class: 150
Bolted Bonnet
Rising Hand wheel
Trim: Bronze
Optional Monel Trim
Graphoil Packing
Stop Check Feature (Optional)
End Connections: RF

SPECIFICATIONS

Design: ASME B16.24
Face to Face: MFRS Std.
End Flange: ASME B16.5
Test: MSS SP-80
Available materials: B62-B61 Bronze

MIL-SPEC T-PAT & ANGLE GLOBE



FEATURES

Size: 2"-12"
ASME Class: 150-300-600
Bolted Bonnet
Mil-Spec valves are special orders for U.S.
government only
Valves are made in the USA
Shock & Vibe tested
End Connections: RF

SPECIFICATIONS

Design: ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-598
Bosses for bypasses & drains
Available materials: Composition A, B, & D
Per MIL-V-22052



BOLTED BONNET SWING & PISTON CHECK



FEATURES

Size: 2" – 42"
ASME Class: 150-300-600-900-1500-2500
Cast Steel Bolted Cap
Ground and Lapped Renewable Seat rings
Semi-metallic bonnet gasket (CL150-300)
Ring Joint bonnet gasket (CL600-900-1500-2500)
Dual secured Disc Nut
Anti-rotation pins
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-594 / ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-598
Available Materials: WCB-LCC-WC6-WC9-C12-316SS-CD3MN
NACE: MR0175 / MR0103

CORROSION RESISTANT BOLTED BONNET SWING CHECK



FEATURES

Size: 2" – 36"
ASME Class: 150-300-600
Cast Steel Bolted Cap
Ground and Lapped Renewable Seat rings
Semi-metallic bonnet gasket (CL150-300)
Ring Joint bonnet gasket (CL600-900-1500-2500)
Dual secured Disc Nut
Anti-rotation pins
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-598
Available materials: 304SS-316SS-347SS-CD3MN-Inconel 625-Monel 400-Alloy 20
NACE by request

PRESSURE SEAL BONNET SWING & TILTING DISK CHECK



FEATURES

Size: 2" – 30"
ASME Class: 600-900-1500-2500
Cast Steel Pressure Seal Cap
Ground and Lapped Renewable Seat rings
PS Gasket knock out holes
Graphoil / Metal Bonnet gasket
Swing check or Tilting Disc designs
Optional live loaded draw bolts
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: ASME B16.34 / MSS-SP-144 / API-600
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-598
Available materials: WCB-LCC-WC6-WC9-C12-316SS
NACE by request

THROUGH CONDUIT SWING CHECK



FEATURES

Size: 2" – 42"
ASME Class: 150-300-600-900-1500
Cast Steel Bolted Cap
Semi-metallic bonnet gasket (CL150-300)
Ring Joint bonnet gasket (CL600-900-1500-2500)
Through conduit full bore for pigs & Scrapers
Available in soft and metal seats
Dual secured Disc Nut
Anti-rotation pins
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-6D
Face to Face: ASME B16.10
End Flange: ASME B16.5 / B16.47
BW End: ASME B16.25
Test: API-6D
Available materials: WCB-LCC-WC6-WC9-C12-316SS
NACE by request

FORGED STEEL SWING, PISTON & BALL CHECK



FEATURES

Size: 0.5" – 2"
ASME Class: 150-300-600-800-900-1500-2500
Bolted Cap or Welded Cap (Strength Weld)
Ground and lapped pressed in Seat Rings
Spiral Wound Bonnet gasket
Full Port or Standard port
Standard 304SS Springs
End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: API-602
Face to Face: MFG standard / ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
SW ends to ASME B16.11
Screwed end to ASME B1.20.1
Test: API-598
Available materials: A105-LF2-F5-F9-F11-F22-F91-304SS-316SS-317SS-347SS-F51-F53-Inconel-Monel
NACE: MR0175 / MR0103

CRYOGENIC BOLTED BONNET CHECK



FEATURES

Size: 0.5" – 24"
ASME Class: 150-300-600-900-1500
Cast Steel & Forged steel options
Ground and Lapped Renewable Seat Rings
Spiral Wound bonnet gasket
Full Port or Standard Port
Major components receive Cryogenic subzero conditioning before machining to ensure high quality standards for cryogenic service
End Connections: RF, RTJ, BW, SW, Threaded

SPECIFICATIONS

Design: ASME B16.34 / API-602
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Standard Test: API-598 / MSS SP-134
Available materials: 316SS
Optional: Cryogenic testing to ISO or BS code

MARINE SWING CHECK - ABS TYPE APPROVED



FEATURES

Size: 1.5"-16"
ASME Class: 150
Bolted Cap
Ground and Lapped Renewable Seat rings
Semi-metallic bonnet gasket
Dual secured Disc Nut
Anti-rotation pins
End Connections: RF

SPECIFICATIONS

Design: ASME B16.34 / ASME B16.24
Face to Face: ASME B16.10 or MFG Std
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-598-MSS SP-80
Available materials: WCB-B61-B62
Trims: Bronze-Aluminum Bronze-Monel

MIL-SPEC SWING CHECK



FEATURES

Size: ½"-12"
ASME CL: 150-300-600
Bolted Cap
Mil-Spec valves are special orders for U.S. government only
Valves are made in the USA
Shock & Vibe tested
End Connections: RF

SPECIFICATIONS

Design: ASME B16.34
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-598
Bosses for bypasses & drains
Available materials: Group C, TYPE III, STYLE A
Per MIL-V-18436F

● SPECIALTY VALVE PRODUCTS



EMERGENCY SHUT-OFF VALVES



FEATURES

Size: 2"-30"
Class: ASME 150-300-600-900-1500
Bolted Bonnet
Local and/or remote actuation
Fire-Safe fusible link
Back pressure ensures a tight seal between the disc and seat. Once closed, the valve can ONLY be reset manually as a safety feature
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-594
Face to Face: ASME B16.10
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-598
Available materials: WCB-LCC-WC6-WC9-CF8M

EMERGENCY SHUT-OFF VALVES – FULL PORT



FEATURES

Size: 2"-30"
Class: ASME 150-300-600-900-1500
Bolted Bonnet, Through Conduit Full Port Body
Local and/or remote actuation
Fire-Safe fusible link
Back pressure ensures a tight seal between the disc and seat. Once closed, the valve can ONLY be reset manually as a safety feature
End Connections: RF, RTJ, BW

SPECIFICATIONS

Design: API-6D
Face to Face: API-6D
End Flange: ASME B16.5
BW End: ASME B16.25
Test: API-6D / API-598
Available materials: WCB-LCC-WC6-WC9-CF8M



BALL VALVES



BUTTERFLY VALVES



AUTOMATION

Innovative engineered design, development and manufacturing of quality quarter turn valves and automation products that optimize uptime and ensure lower overall cost of ownership

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WHO WE ARE

Founded in 2006, **DelVal Flow Controls** provides a wide range of superior quality ball valves, butterfly valves, actuators and control accessories by implementing a robust quality management system compliant to ISO 9001-2015 and cultivating a knowledgeable staff. Our products are fully integrated and cater to a wide spectrum of applications including Oil & Gas, Power Generation, Mining, Chemical Process, Marine, Pharmaceutical, Food & Beverage, Water and other industrial markets. Our global network of offices, distributors, channel partners and highly experienced sales and service staff are always ready to meet our customers' most stringent requirements.

BUTTERFLY VALVES

Center-LOK® Seat Design in Resilient Seated Butterfly Valves

- Heavy-duty, square grooved design that ensures rigid locking of seat in body preventing seat movement
- Fully rated for dead-end and vacuum service



Series 51/53

Large Diameter Resilient Seated
26" to 40" (DN 650 - DN 1000)
150 PSIG (PN 10), 50 PSIG (PN 3.5)



Series 55

Double Offset Resilient Seated
3" to 88" (DN 80 - DN 2200)
150 PSIG (PN 10), 230 PSIG (PN 16)



Series 50/52

Resilient Seated
2" to 24" (DN 50 - DN 600)
2" to 12" - 175 PSIG (PN12), 230 PSIG (PN 16),
150 PSIG (PN 10), 50 PSIG (PN 3.5)
14" to 24" - 150 PSIG (PN 10), 230 PSIG
(PN 16), 50 PSIG (PN 3.5)



Series 5C/5D

Split Body Resilient Seated
2" to 24" (DN 50 - DN 600)
150 PSIG (PN 10)



Series 42/43

Lined, PTFE / PFA
2" to 24" (DN 50 - DN 600)
150 PSIG (PN 10)



Series 44-49

High Performance Double Offset
2" to 48" (DN 50 - DN 1200)
2" to 48" - Class 150;
2" to 24" - Class 300



Series 4

Triple Offset
3" to 48" (DN 80 - DN 1200)
3" to 48" - Class 150;
3" to 24" - Class 300 / 600

BALL VALVES

ULTRA Seat Material in Ball Valves and High Performance Butterfly Valves

- Engineered polymer that is rated for max 500°F (260°C) at 285 PSIG for HPBV and 390°F (200°C) at 150 PSIG for Ball Valve
- Excellent for handling aggressive fluids at high temperatures



Series F

Oil & Gas Floating Ball Valve
2" to 8" (DN 50 – DN 200)
Class 150 to Class 1500 in full
and reduced ports



Series 7/8

Trunnion Mounted Ball Valve
Series 7 2" to 14" (DN 50 – DN 350)
in Two-Piece Body
Series 8 16" to 24" (DN 400 – DN 600)
in Three-Piece Body
Class 150 to Class 1500 in full and
reduced ports



Series 2000

Seal Welded Valve
1/2" to 2" (DN 15 – DN 50)
2000 PSIG (WOG)



Series 65-72

Floating Ball Valve
1/2" to 12" (DN 15 – DN 300)
Class 150 to Class 900 in full
and reduced ports

AUTOMATION

Universal Insert Design in Pneumatic Actuators

- Allows direct mounting of DelTorq actuators to most quarter-turn valves
- Eliminates the use of brackets and couplings – saves time and money



Series 92/93

Insert



Series 2E

Electric Actuator



Series 83

Limit Switch Box



Series 21

Pneumatic Rack & Pinion



Series 85

Solenoid Valve



Series 87

Positioner



Series 25

Pneumatic Scotch Yoke

100% TESTING 100% SERIALIZATION



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INTRODUCTION TO SCV VALVE

www.scvvalve.com

- THRU CONDUIT GATES - SLAB & EXPANDING
- FULL PORT SWING CHECKS
- 3-PIECE TRUNNION BALLS
- LUBRICATED PLUGS
- FLOATING BALLS
- PISTON CHECKS
- WEDGE GATES
- GLOBES



THRU CONDUIT GATES - SLAB & EXPANDING

Design: API 6D

Sizes: 2" - 42"

Class: 150 - 1500

Standard stocking item.

Design: API 6A

Sizes: 9", 11" & 13-5/8"

Pressure: 2000, 3000, 5000

Limited inventory availability. All sizes and pressure classes made to order.



3-PIECE TRUNNION BALLS

Design: API 6D

Sizes: 2" - 42"

Class: 150 - 2500

Standard stocking item.

Design: API 6A

Sizes: 2-1/16" - 7-1/6"

Pressure: 2000, 3000, 5000

Limited inventory availability. All sizes and pressure classes made to order.

Bore Coating: Scotchkote™ 134



PISTON CHECKS

Design: API 6D

Sizes: 2" - 24"

Class: 150 - 2500

Standard stocking item.



FULL PORT SWING CHECKS

Design: API 6D

Sizes: 2" - 36"

Class: 150 - 2500

Standard stocking item.



PRODUCT LINE

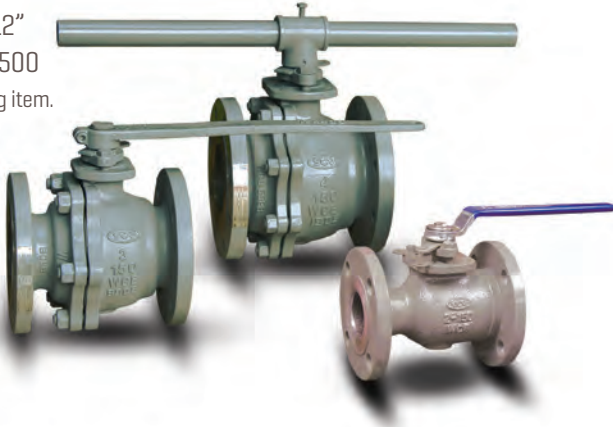
FLOATING BALLS

Design: B16.34

Sizes: 1/2" - 12"

Class: 150 - 1500

Standard stocking item.



LUBRICATED PLUGS

Design: API 6D

Sizes: 1/2" - 30"

Class: 150 - 2500

Standard stocking item.



GLOBES

Design: API 623

Sizes: 2" - 24"

Class: 150 - 2500

Limited inventory availability. All sizes and pressure classes made to order.



WEDGE GATES

Design: API 600

Sizes: 2" - 48"

Class: 150 - 2500

Limited inventory availability. All sizes and pressure classes made to order.



GEOHERMAL VALVES

THRU CONDUIT GATES - SLAB & EXPANDING

Design: API 6D

Sizes: 4" - 24"

Class: 150 - 900

WEDGE GATES

Design: API 600

Sizes: 2" - 12"

Class: 150 - 900

Limited inventory availability. All sizes and pressure classes made to order.



API 6A Certification



Canadian Registration Numbers

- Alberta
 - 0C07063.2
- British Columbia
 - 0C07063.21
- New Brunswick
 - 0C07063.27
- New Foundland & Laborador
 - 0C07063.20
- Northwest Territory
 - 0C07063.25
- Novascotia
 - 0C07063.27
- Nunavut
 - 0C07063.2N
- Manitoba
 - 0C07063.24
- Ontario
 - 0C07063.25
- Prince Edward island
 - 0C07063.29
- Yukon
 - 0C07063.2

API 6D Certification



ISO 9001:2015 Certificate



CE PED Certificate



PRESSURE BALANCED LUBRICATED PLUG VALVE

www.scvvalve.com

NEW DESIGN, BETTER PERFORMANCE, IN STOCK, READY-TO-SHIP!

Standard Features

- Ready-to-ship inventory up to 16"
- Pressure classes 150 to 2500
- 410 SS trim with low friction Nitride surface treatment
- Easily adapted for vertical orientation service
- Improved grease flow on plug
- Patterns: Short, Regular & Venturi
- ISO mounting plate on all sizes
- 2" square operating nut, 4" & up
- 316 SS fittings
- Metal-to-metal seated
- API 6D design & tested
- Triple barrier stem seals
- WCC & LCC body materials
- Fire Safe Design: API 6FA/BS 6755



Call (281) 482-4728 today for fast delivery!

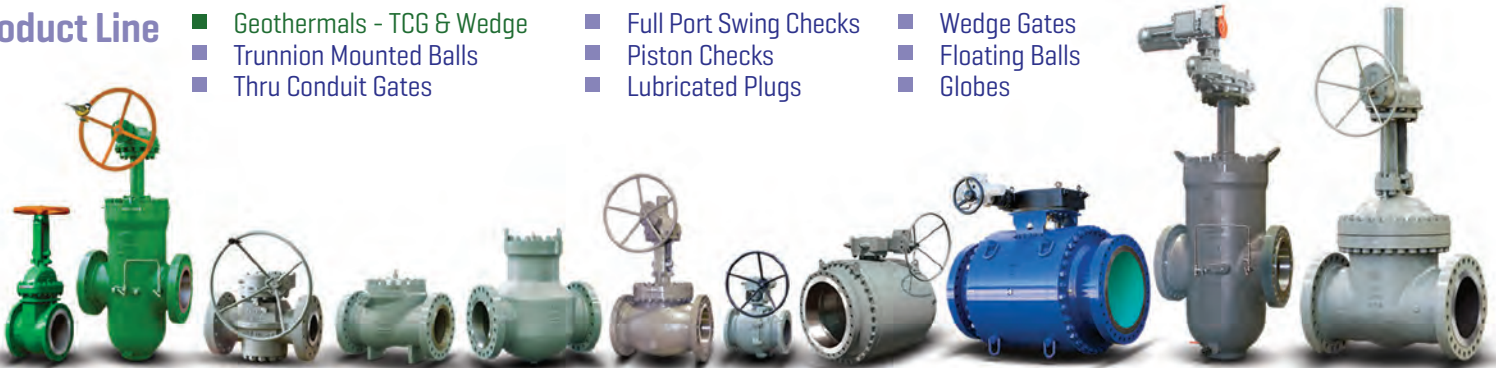


Product Line

- Geothermals - TCG & Wedge
- Trunnion Mounted Balls
- Thru Conduit Gates

- Full Port Swing Checks
- Piston Checks
- Lubricated Plugs

- Wedge Gates
- Floating Balls
- Globes



THRU CONDUIT GATE VALVES

www.scvvalve.com

MIDSTREAM PIPELINE GATES

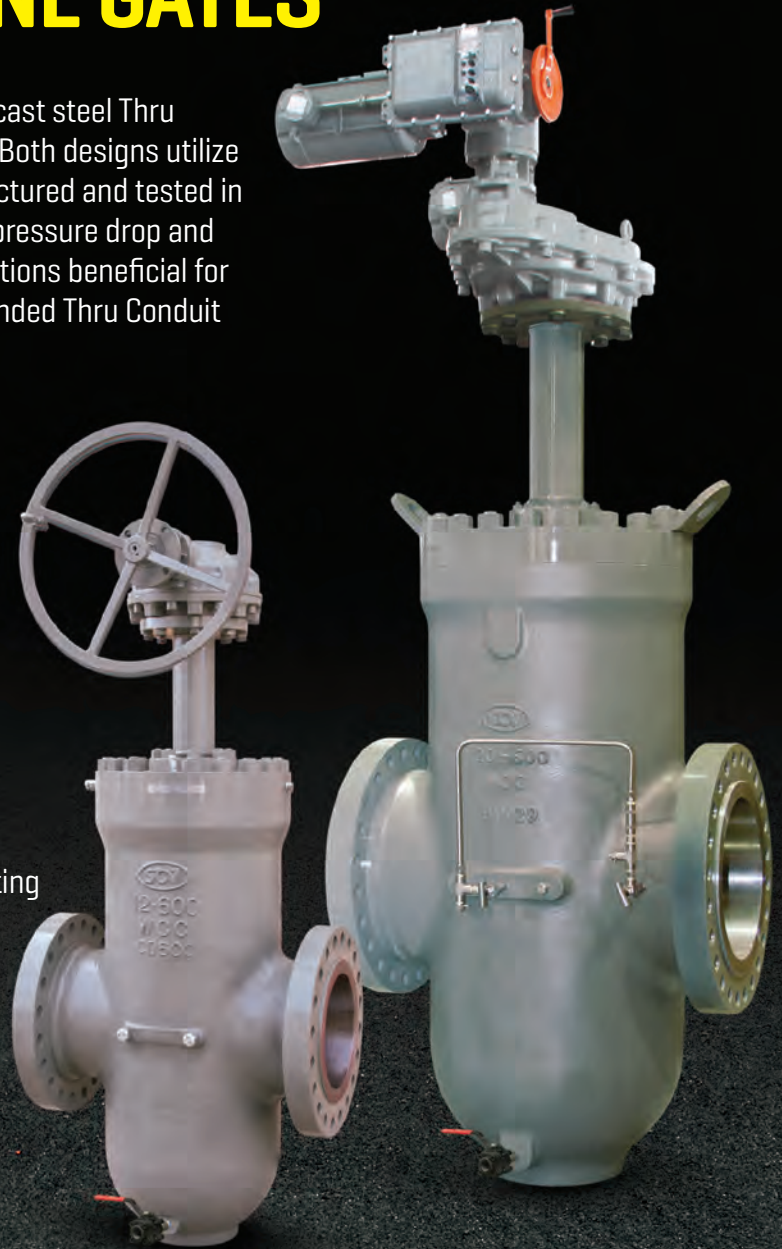
SCV VALVE manufactures some of the most dependable cast steel Thru Conduit Slab and Expanding Gate Valves in the industry. Both designs utilize flanged and butt-weld end connections, and are manufactured and tested in accordance with API 6D. The full port design minimizes pressure drop and turbulence. The SCV design offers many features and options beneficial for oil, gas, and liquid applications making it the most demanded Thru Conduit Gate on the market.

Standard Features

- Sizes: 2" thru 42"
- Class: 150# thru 1500#
- Basic Design, Inspected & Tested: API 6D
- Face-to-Face Dimension: ANSI B16.10
- Flange End Dimension: ANSI/ASME B16.5 [2" to 24"], ANSI/ASME B16.47 & MSS SP-44 [26" & up]
- Butt-Weld End Dimension: ANSI/ASME B16.25
- Fire Safe Design: API 6FA
- Double block and bleed capabilities
- Secondary sealant injection at seats and stems
- Optional by-pass system for thermal cavity relief venting
- Full port thru conduit for passage of pigs
- Seals at low and high pressure



Call **[281] 482-4728** today for fast delivery!

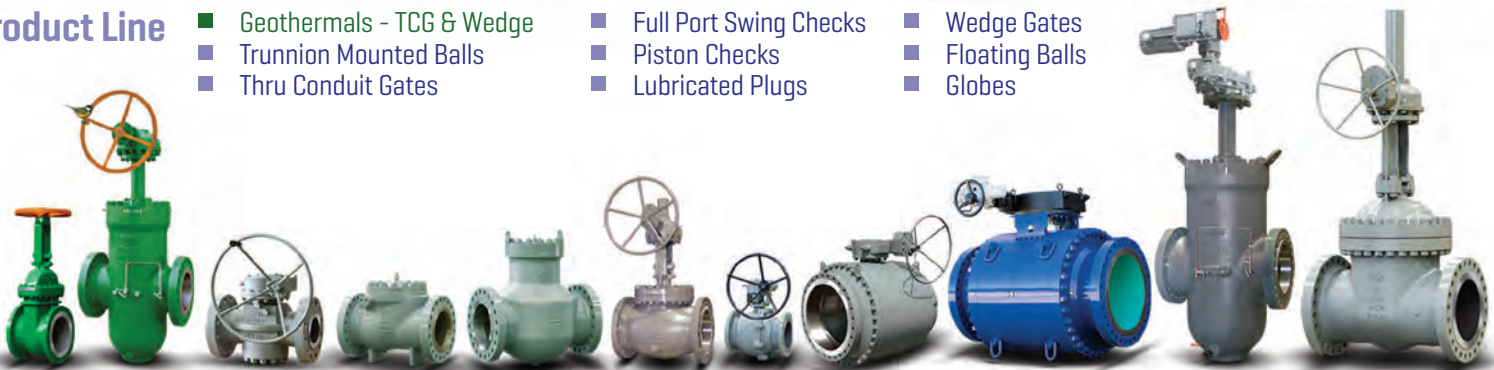


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- Globes



TRUNNION BALL VALVES

www.scvvalve.com

QUALITY BUILT API 6D TRUNNIONS

SCV VALVE manufactures some of the most dependable forged steel Ball Valves in the industry. Our products are manufactured and tested in accordance with respective API, ASME, and ANSI standards. With features such as double block and bleed capabilities, secondary sealant injections, and spring energized self relieving seats, the SCV design offers many features and options beneficial for oil, gas, and liquid applications.

Standard Features

- Sizes: 2" thru 24"
- Class: 150# thru 2500#
- Seats & Stem Secondary Sealant Injection
- Flange End Dimension: ANSI/ASME B16.5
- Butt-Weld End Dimension: ANSI/ASME B16.25
- Fire Safe Design: API 607/BS 6755
- Basic Design & Tested: API 6D
- ENP, F6, & 316 Trim Available
- Stem Extensions Available
- Ready-to-Ship Inventory
- Low FE Design
- NACE MR0175
- Low Torque & Piggable
- DPE Seats Available

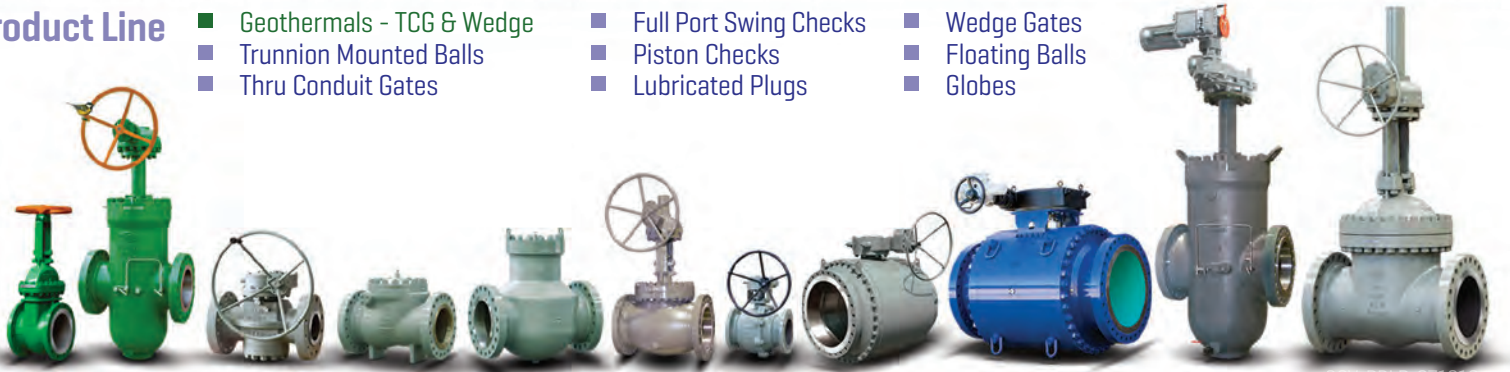


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Product Line

- Geothermals - TCG & Wedge
- Trunnion Mounted Balls
- Thru Conduit Gates
- Full Port Swing Checks
- Piston Checks
- Lubricated Plugs
- Wedge Gates
- Floating Balls
- Globes



PISTON CHECK VALVES

www.scvvalve.com

RAPID CLOSING, BACKFLOW PREVENTION

SCV VALVE manufactures a premium array of check valves. Our products are manufactured and tested in accordance with respective API, ASME, and ANSI standards. SCV Piston Check Valves are quiet operating valves that effectively prevent backflow. The "flapperless" design is gentle on the seat as the piston rises and lowers with increased and decreased flow rates. The SCV design offers many features and options beneficial for oil, liquid gas, and liquid applications.

Standard Features

- Sizes: 2" thru 42"
- Class: 150# thru 1500#
- Basic Design: API 6D
- Wall Thickness: API 6D
- Face-to-Face: As stated
- Flange End Dimensions: ANSI/ASME 16.5
- Butt-Weld End Dimensions: ANSI/ASME B16.25
- Inspection & Testing: API 6D



Call (281) 482-4728 today for fast delivery!



Product Line

- Geothermals - TCG & Wedge
- Trunnion Mounted Balls
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- Full Port Swing Checks
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- Lubricated Plugs

- Wedge Gates
- Floating Balls
- Globes



SCV PBL 071212

FULL PORT SWING CHECKS

www.scvvalve.com

FULL PORT FLOW & PIGGABLE, ZERO FLOW CLOSURE

SCV VALVE manufactures premium check valves in a variety of materials for many environments, temperatures and pressures. Our products are manufactured and tested in accordance to API, ASME, and ANSI standards.

The Full Port Swing Checks can be installed in horizontal or vertical, upward flow pipelines and utilizes a replaceable seat design for simple field service and replacement. Standard seat materials are ASTM A105 in carbon steel designs and A352 LCC in stainless steel designs. Other materials available.

Standard Features

- Sizes: 2" thru 36"
- Class: 150# thru 2500#
- Basic Design, Inspected & Tested: API 6D & ANSI B16.34
- Wall Thickness: API 6D
- Face-to-Face Dimension: ANSI/ASME B16.10
- Butt-Weld End Dimension: ANSI/ASME B16.25
- Flange End Dimension: ANSI/ASME B16.5 (2' to 24")
MSS SP-44 (26" & up)
- Fully Piggable

Optional Features

- Extended Shaft Gland/Seal Assembly
- Extended Shaft Cover
- Lock Open Lever/Gear
- Slam Retarder



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SCV-PB-07121



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Innovative Engineering Solutions

**“We are what we repeatedly do.
Excellence, then, is not an act, but a habit.”**

**Pro-Mech Engineering Solutions Pty Ltd
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