



Shanghai MECCO Valve Co., Ltd.

PRODUCT SUMMARY

COMPLETE SOLUTION FOR INDUSTRIAL VALVES



MECCO

Perfect Industrial Solutions

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Brief Introduction



18001 in 2010. We have also certified for CE certificates of EU and Manufacturing license of special equipment by Chinese government (TS). We've been also qualified by CNPC, Sinopec, CNOOC, Bayer, BASF, VOPAK, SABIC, SASOL, WORLEYPARSONS, FORST WHEELER, HATCH, AKER SOLUTIONS, KOSO YONEKI, DSI, JBL, CTCI, IHI, WALWORTH, ORSEAL UK and etc.

MECCO established its own R&D center to develop Hi-tech products and right now, there are more than 30 senior skillful engineers and experience managers working at MECCO. With our powerful technique, various design and development experiences, advanced manufacturing processes, advanced inspection facilities and lab equipment, MECCO can ensure that our products can meet the international standards of design, application and inspection standards and specifications such as API, ANSI, ASTM, ASME, BS EN, ISO, JIS, DIN, and GB standard or according to the customer requirements.

There are over 300 sets facilities owned by MECCO, such as CNC Machine Center, CNC machines; 3.5m & 2.5m Vertical Lathe for metalwork processing; Plasma-welding &

Established in 2001, located in Jiading district of Shanghai, Shanghai MECCO Valve Co., Ltd is a production company specializing in the production of valves, Research & Design, manufacturing and after-market service.

MECCO has 320 employees, takes space of 58,500m², including 35,800m² of construction

area in which 26,300 m² of working shop. MECCO's current available annual output is USD \$40 million, and our current production capacity is about 8,000 Ton valves with different materials.

MECCO has certified ISO 9001:2000 by DNV in 2003, and gained API6D & API600 certificated in 2007, ISO 14001 & OHSAS



Shanghai MECCO Valve Co., Ltd.



Automatic Welding equipment; High-Temperature heating furnace, high temperature & low temperature treatment equipment. We can also perform in house Chemical Analysis, Impact testing, Tensile strength, Hardness Testing, Magnetic Particle Inspection, Dye Penetrate Inspection, Ultrasonic Testing, X-Ray Testing, Spectrometer, PMI (Portable Spectrum Analyzer), Helium mass spectrum, Cryogenic treatment equipment, and hydraulic testing equipment for pressure and leakage testing.

Our major products are Gate Valve, Globe Valve, Check Valve, Ball Valve, Plug Valve, Butterfly Valve, Cryogenic Valve and other special application valves with carbon steel,

alloy steel, stainless steel, ultra-low carbon stainless steel and special alloy steel such as Monel, Hastelloy and etc etc.

- The pressure classes can be from 150LB up to 2500LB, PN1.0~PN42Mpa.
- Temperature: 850°C to -196°C.
- Valve Size: 1/2"~48" or 15 mm~1200 mm.
- Drive Methods: Handwheel, Gear Actuator, Electric Actuator, Pneumatic Actuator, Hydraulic Actuator etc.

Our products have been widely used in Petrol-chemical, oil & gas, chemical, power plants, metallurgy, paper making, medical equipment, military and other industries, and have been exported to North & South America, Europe, Japan, South Korea, The

Middle East, South African, and Southeast Asian countries. In recent years, MECCO has maintained 30% yearly average rate of increment and achieved more than \$40 million sales revenues.

"Good Products Quality, Competitive Pricing, On-time Delivery" is what we are trying to provide to our customer and we believe it would help our company to get a beautiful future.

Welcome to MECCO for a visit and please come to us for assistant at any time. Thank you and best wishes!



Products Range

Valve Type		Design Standard		Size					ASME Rating Class					
		Pressure-temperature Rating	Wall thickness and structure	1/2~2"	2~4"	6~12"	12~24"	≥26"	150	300	600	800	900	1500
Gate Valve	Conventional Gate Valve	ASME B16.34	API 600											
	Stainless Steel Gate Valve		API 603											
	Forged Steel Gate Valve		API 602											
	Pressure Seal Gate Valve		ASME B16.34											
	Through conduit Gate Valve		API 6D											
Globe Valve	Conventional Globe Valve		BS 1873											
	Stainless Steel Globe Valve		API 603											
	Forged Steel Globe Valve		API 602											
	Pressure Seal Globe Valve		ASME B16.34											
	3 Way Double Direction Globe Valve		BS 1873											
	Y Type Globe Valve		BS 1873											
Check Valve	Conventional Check Valve		BS 1868											
	Stainless Steel Check Valve		API 603											
	Forged Steel Piston Check Valve		API 602											
	Forged Steel Swing Check Valve		API 602											
	Pressure Seal Check Valve		ASME B16.34											
	Full Opening Check Valve		API 6D											
	Dual-plate Wafer-type Check Valve		API 594											
	Globe Check Valve		BS 1873											
Ball Valve	1 PC Floating Ball Valve		BS 5351											
	2 PC Floating Ball Valve		BS 5351											
	3 PC Floating Ball Valve		BS 5351											
	Metal Seated floating Ball Valve		BS 5351											
	Top Entry Floating Ball Valve		BS 5351											
	2 PC Trunnion Mounted Ball Valve		API 6D											
	3 PC Trunnion Mounted Ball Valve		API 6D											
	Top Entry Trunnion Mounted Ball Valve		API 6D											
	Full welded Trunnion Mounted Ball Valve		API 6D											
	Metal Seated Trunnion Mounted Ball Valve		API 6D											
Butterfly Valve	Concentric Butterfly Valve		API 609											
	Double Off-Butterfly Valve		API 609											
	Triple Off-Set Butterfly Valve		API 609											
Other Valves	Pig Valve		API 6D											
	Mud Valve		API 6A											
	Jack Valve		ASME B16.34											
	Strainer		ASME B16.34											
	Control Valve		ASME B16.34											

Temperature	2500
	-196~46℃
	-14~29℃
	-29~425℃
	>425℃
Material	Carbon Steel & Low Alloy Steel
	Stainless Steel
	Nickel Alloy Steel
End Connection	Socket Weld End
	Screw End
	Flange End
	Butt-Welding End
	Wafer Type
	Lug Type
Special Feature	High Temperature
	Cryogenic
	Bellow Seal
	Electric & Pneumatic Actuator
	Anti-Fire Design
	Anti-Static Design
Application	Oil and Gas
	Refinery and Petrochemical
	LNG and other Cryogenic Industries
	Chemical
	Power
	Marine
	Non-process Industries

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Research, Design and Products Development





Shanghai MECCO Valve Co., Ltd.

Technical Innovation

MECCO technical research center utilizes advanced computer technology to improve our current products design and also to develop the new products by a highly educated and well-trained engineering team.

MECCO design philosophy is to develop a safe and cost-efficient valve, we are using AUTO-CAD, SOLID-WORKS and I-DEAS software with latest version for our new product research including the advanced finite element analysis to virtually verify the new design prior to production, this has resulted in dramatically reduce new product developing duration and result in better safe and cost-efficient products.

MECCO technical personals are always ready to offer on line or on site technical training and supports for all of its distributors, agents and end users.



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MECCO developed an advanced inspection and testing facilities to better control products quality from incoming materials such as raw castings or forgings to the finished valve products. These facilities enable us to do Radiographic test, Dye-penetrant test, Magnetic test, Positive Material Identifier (PMI), Impact test, Tensile Strength test, Hardness test, Cryogenic test, Low fugitive emission test, High pressure gas test, High temperature functional test and Hydro-static test.

Quality Control



Shanghai MECCO Valve Co., Ltd.



► Blank Material Inspection



► Chemical Analysis



► Chemical Analysis



► Tensile Strength Test



► Micro-structure Scope Test



► Impact Test



► Dye Penetrate Examination



► Radiographic Examination



► Hardness Test



► Cryogenic Test



► Hydro-Test



► Low Fugitive Emission Test

MECCO Quality Assurance is dedicated to the pursuit of a zero defect valve, and this has resulted in the more quality qualifications and end user approval compared with most of our competitors. MECCO is certified by ISO 9001 by DNV and API 600 (registered number 600-0051) API 6D (registered number 6D-0678) .Moreover, MECCO is one of the leading valve manufactures in China certified by CE/PED (TUV registered number CHI/Q-06 0232). All MECCO soft seated ball valves have been considered to design with fire safe requirement and anti-static device.

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Advanced Manufacturing



Shanghai MECCO Valve Co., Ltd.



Machining Center



Machining Center



3.5m Vertical Lathe



Painting System

The latest computer technology was also widely applied in MECCO for valve manufacturing, this includes a large number of numeric control machines. MECCO also employed a number of conventional lathe with capacity up to machine 52" gate valve. MECCO manufacturing philosophy is to ensure stable quality and just in time delivery.

Conventional Gate, Globe, Check Valves

This line of valves is one of MECCO main products, We offer customer wide range of size, pressure rating and material selection; also we keep a large number of stock for quick delivery. For gate size 2"~8" Class 150~300 wedge are inter-changeable to minimize on-site repair cost. Low fugitive emission control is available upon request. Design as per API 600, ASME B16.34, Gate/BS1414, Globe/BS1873, Check/BS1868, testing as per API 598, BS 6755.



Gate valve

Design Feature

- ★ API 591 pull test certified (Gate)
- ★ Low emission control (Gate, Globe)
- ★ Flexible wedge (Gate)
- ★ Threaded or welded seat (All)
- ★ Plug disc (Globe)
- ★ Optional impact handwheel (Globe)
- ★ Swing check type (Check)
- ★ Optional outside lever (Check)



Swing check valve



Globe valve

Products Range

Types	Gate, Globe, Check
Sizes	1/2"~52"
Ratings	ASME Class 150~2500
Body Materials	Carbon Steel, Stainless Steel Alloy Steel, Duplex Steel
Trim Material	As Per API 600
End Connection	RF, RTJ
Operation	Handwheel, Gear, Motor, Pneumatic

Gate, Globe, Check Valves

Pressure Seal Valves

Pressure seal valves are designed for high temperature, high pressure, services mainly encountered in nuclear and fossil fuel power plant. Comparing with bolted bonnet valves. MECCO pressure seal valves are less complicated and can provide absolute excellent seal service with minimum maintenance. Design as per API 600, ASME B16.34, testing as per API 598, BS 6755.

Design Feature

- ★ Stellite seating surface
- ★ Low emission control
- ★ Flexible wedge
- ★ Full guiding
- ★ Absolute bonnet joint leak proof
- ★ Optional by-pass design

Products Range

Types	Gate, Globe, Check
Sizes	1"–24"
Ratings	ASME Class 900–2500
Body Materials	Carbon Steel, Chromium Moly Alloy Steel, Stainless Steel
Trim Material	As Per API 600
Operation	Handwheel, Gear, Motor operator
End Connection	RF, RTJ, BW



Pressure Seal Gate valve

Through Conduit Gate Valves

MECCO Through conduit gate valves are designed for oil & gas pipeline service. Featured with double block and bleed function. It is suitable for bi-directional flow isolation. We have 2 main series: Slab gate & Expanding gate with maximum working temperature up to 500°C. Design as per API 6D. Testing as per API 6D. BS 6755.

Products Range

Sizes	2"–48"
Ratings	ASME Class 150–900
Body Materials	Carbon Steel, Stainless Steel
Trim Material	Soft seal, Metal seal
Operation	Handwheel, Gear, Motor pneumatic
End Connection	RF, RTJ



Through Conduit Gate valve

Design Feature

- ★ Swing check design
- ★ Soft or metal to metal sealing
- ★ Welded or threaded seat ring
- ★ Optional weight lever design



Swing Check Valve

Swing Check Valve

MECCO swing check valve is designed according to API 600, ASME B16.34, services for petrochemical and other industries. For big size, to prevent potential water hammer damage caused by disc closing, a dashpot device can be assembled to control the disc closing time. Both soft seat & metal seat are available.

Products Range

Sizes	2"~48"
Ratings	ASME Class 150~2500
Body Materials	Carbon Steel, Stainless steel, Alloy steel
Trim Materials	As Per API 600, BS1868
End Connection	RF, RTJ, BW, SW

Design Feature

- ★ Dual plate or single plate
- ★ Light-weight & compact design
- ★ Spring loaded disc
- ★ Resilient or Metal seated



Wafer Check Valve

Wafer Check Valve

In modern flow control industry, wafer check valves are more and more popular because of their compactness design, ease of installation and lower initial & maintenance costs than traditional flanged swing check valve. MECCO now offer both single plate and dual plate wafer with various material selection option. Design as per API 594, testing as API 598.

Products Range

Sizes	1"~42"
Ratings	ASME Class 150~600
Body Materials	Carbon Steel, Stainless steel, Alloy steel
Trim Material	As per API 600
End Connection	Wafer, Lug, Flanged

Gate, Globe, Check Valves

Full Opening Check Valve

MECCO full opening check valve can be capable for pig ball cleaning service. For big size, to prevent potential water hammer damage caused by disc closing, a dashpot device can be assembled to control the disc closing time. Both soft seat & metal seat are available.

Design Feature

- ★ Swing check design
- ★ Suitable for pig ball service
- ★ Soft or metal to metal sealing
- ★ Welded or threaded seat ring
- ★ Optional weight lever design

Products Range

Sizes	2"~48"
Ratings	ASME Class 150~2500
Body Materials	Carbon Steel, Stainless steel, Alloy steel
Trim Materials	As Per API 6D
End Connection	R F、RTJ、BW、SW



Full Opening Check Valve

Axial Flow Check Valve

MECCO axial flow check valve is a high performance valve designed in accordance with API 6D and ASME B16.34, and used widely in the pipeline system in order to keep the machinery equipment from the damage of back flow. The valve features the function of conventional check valve, and possesses the advantage of eliminating water hammer damager, reducing noise & pressure drop, and quick close. As per the difference of work temperature and pressure difference, Neway can provide relevant solution and specialized technical service & support.

Design Feature

- ★ Venturi port to reduce pressure drop
- ★ Spring protection and no impact
- ★ Low noise and lower water hammer damage
- ★ Soft seal and second metal to metal seal to ensure fire safe
- ★ No outside leakage

Products Range

Sizes	2"~48"
Ratings	ASME Class 150~2500
Body Materials	Carbon Steel, Stainless steel, Alloy steel
Trim Materials	As Per API 600、BS1868、API 6D
End Connection	R F、RTJ、BW、SW



Axial Flow Check Valve

Design Feature

- ★ Solid wedge(gate)
- ★ Bolted or welded bonnet
- ★ Full port or reduce port
- ★ Optional bellow seal(gate, globe)
- ★ Plug disc with optional needle disc(globe)
- ★ Lift check with Optional swing check(check)



Forged Steel gate Valve

Forged Steel Valve

MECCO forged steel valves contain Gate, Globe & Check valves designed fully comply with API 602. MECCO offer standard bolted bonnet joint with optional welded bonnet. MECCO now can also offers forged steel gate, globe valve with bellow seal. Stellite seating face is MECCO forged steel valve standard design.

Products Range

Types	Gate, Globe, Check
Sizes	1/2"~2"
Ratings	ASME Class 150~1500
Body Materials	A105, F11, F22, F5, F304, F316, F51 etc.
Trim Material	As per API 602
End connection	NPT, SW, RF, RTJ

Design Feature

- ★ Safety long extended stem
- ★ Vent hole on upstream side
- ★ Extended stuffing box
- ★ Low emission packing



2" Class 300 Cryogenic gate Valve

Cryogenic Valve

Cryogenic Valves normally refer to valves with working temperature below -110°C. It is widely used in LNG, LPG and other low temperature industry. MECCO now offers Gate, Globe and Ball valves for cryogenic service up to -196°C. Design as per Shell SPE 77/306, BS 6364, testing as per Shell SPE 77/306, BS 6364

Products Range

Types	Gate, Globe, Ball
Sizes	2"~24"
Ratings	ASME Class 150~600
Body Materials	Stainless steel, Low temperature+Steel
Trim Material	As per API 600
End connection	RF, RTJ

Gate, Globe, Check Valves

API 603 Stainless Steel Valve

MECCO API 603 series stainless steel valve contains Gate, Globe & Check valve. This series of valve wall thickness is designed as per ASME B16.34, cost effective and light weight. Comparing with conventional API 600 valve. It is widely used in Chemical and food plant. Special design include extended bonnet for cryogenic service. Design as per API 603, ASME B16.34, testing as per API 598, BS 6755.

Design Feature

- ★ Precision Investment casting
- ★ PTFE gasket & packing
- ★ Integral seat
- ★ Rising stem
- ★ Flexible wedge

Products Range

Types	Gate, Globe, Check
Sizes	1/2"~24"
Ratings	ASME Class 150~900
Body Materials	Stainless steel, Duplex Steel
Trim Materials	As Per API 600
End Connection	R F



API 603 Stainless Steel gate Valve

Bellow Sealed Gate & Globe Valves

Leakage from the valve gland is often a problem for environment protection & sometime it is quite dangerous if such leakage is from a hazardous fluid. MECCO bellow seal valves are designed that a bellow cartridge welded to the valve bonnet, and stem, so that when the stem up & down movement makes the bellows expanded & compressed, therefore there is no sliding or rotating seals through which process fluid can pass. Design as per API 600 and MSS SP-117.

Design Feature

- ★ Formed bellow
- ★ 10,000 Cycles bellow with out failure.
- ★ Zero stem leakage.
- ★ Minimum maintenance cost

Products Range

Types	Bellow Seal Gate, Bellow Seal Globe
Sizes	1/2"~12"
Ratings	ASME Class 150~1500
Body Materials	Carbon Steel, Stainless steel
Bellow Materials	Stainless steel, Inconel
Trim Materials	As per API 600, BS 1873
End Connection	R F, RTJ, BW, SW, NPT



Bellow seal forged steel Valve

Design Feature

- ★ Full port or reduce port
- ★ Fire safe design
- ★ Blowout-proof stem
- ★ Anti-static
- ★ Low emission control
- ★ ISO 5211 top flange
- ★ Optional locking device



Uni-body Body Side Entry
Cast Steel Floating Ball Valve

Cast Steel Floating Ball Valve

MECCO series YQ, EQ ball valves featuring 2-Piece split body side entry or unit body .a very popular design in floating ball valve. MECCO offers 3 main categories: Conventional design covers working temperature-29℃~200℃; Cryogenic design covers working temperature-196℃~-46℃ and High Performance design covers working temperature200℃~500℃. Design as per API 608/BS 5351, testing as per API 598、BS 6755 、API607、API6FA.

Products Range

(Uni-body)

Sizes	1/2"~10"
Ratings	ASME Class 150~300
Body Materials	Carbon steel、Stainless steel
Trim Material	A105+ENP、13Cr、F304、F316 etc.
Seat Materials	PTFE、PEEK、R-PTFE etc.
Operation	Handwheel、Gear、Pneumatic operator
End connection	RF、RTJ



2-Piece Pilit Body Side Entry
Cast Steel Floating Ball Valve

Products Range

(2-Piece design)

Sizes	1/2"~12"
Ratings	ASME Class 150~900
Body Materials	Carbon steel、Stainless steel
Trim Material	A105+ENP、13Cr、F304、F316 etc.
Seat Materials	PTFE、PEEK、R-PTFE etc.
Operation	Handwheel、Gear、Pneumatic operator
End connection	RF、RTJ

Floating Ball Valve

Forged Steel Floating Ball Valve

MECCO series EQ, SQ ball valves featuring forged steel split body side entry design. Specially designed for high pressure service so as to replace traditional turnunion mounted design to save cost. Upon special request, this series of valve can be also designed to have Cryogenic or High temperature service. Design as per API608/BS 5351, testing as per API 598, BS6755, API 607, API 6FA.

Products Range

(3-Piece design)

Sizes	1/2"~2"
Ratings	ASME Class 600~2500
Body Materials	Forged Carbon steel, Stainless steel, Alloy steel
Trim Material	A105+ENP, 13Cr, F304, F316, F51 etc.
Seat Material	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Pneumatic operator
End connection	RF, RTJ, SW, NPT

Design Feature

- ★ Full port or Reduced port
- ★ Fire safe design
- ★ Blowout-proof stem
- ★ Anti-static
- ★ Low emission control
- ★ ISO 5211 top flange
- ★ Optional locking device



Forged Steel Floating Ball Valve

Products Range

(2-Piece design)

Sizes	1/2"~4"
Ratings	ASME Class 600~2500
Body Materials	Forged Carbon steel, Stainless steel, Alloy steel
Trim Material	A105+ENP, 13Cr, F304, F316, F15 etc.
Seat Materials	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Pneumatic operator
End connection	RF, RTJ, SW, NPT



2-Piece Forged Steel Floating Ball Valve

Top Entry Ball Valves

MECCO series TE ball valves featuring with unit-body, top entry trunnion mounted ball. This type of valve gives convenience of on-line repairing or replacing valve internal components without dismantling it from pipeline.. MECCO TE series ball valves are all fire safe designed complying with API 607 & API 6FA. Design as per API 6D. Testing as per API 6D. BS 6755.

Products Range

Sizes	1/2"~12"
Ratings	ASME Class 150~300
Body Materials	Carbon steel, Stainless Steel, Alloy steel
Trim Material	A105+ENP, 13Cr, F304, F316, F51 etc.
Seat Material	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Motor, Pneumatic operator
End Connection	RF, BW, SW

Design Feature

- ★ Fire safe design
- ★ Emergency sealant injection
- ★ Cavity pressure self relief
- ★ Blowout-proof stem
- ★ Anti-static



Top Entry Ball Valve

Design Feature

- ★ Full port or Reduce port
- ★ Fire safe design
- ★ Double block & bleed
- ★ Emergency sealant injection
- ★ Cavity pressure self relief
- ★ Blowout-proof stem
- ★ Anti-static

Side Entry Design

MECCO series ST, TT ball valves featuring with 2-Piece or 3-Piece split body. Trunnion mounted ball. It is ideal for frequent on-off flow control in big size and high pressure pipeline. Design as per API 608/API 6D/BS 5351, testing as per API 598, BS 6755, fire testing as per API 607/API 6FA, BS 6755.



2-Piece Trunnion Mounted Ball Valve

Products Range

(2-Piece design)

Sizes	2"~24"
Ratings	ASME Class 150~1500
Body Materials	Carbon Steel, Stainless Steel
Trim Material	A105+ENP, 13Cr, F304, F316, F51 etc.
Seat Material	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Motor, Pneumatic operator
End Connection	RF, RTJ



3-Piece Trunnion Mounted Ball Valve

Products Range

(3-Piece design)

Sizes	2"~56"
Ratings	ASME Class 150~2500
Body Materials	Carbon steel, Stainless Steel, Alloy steel
Trim Material	A105+ENP, 13Cr, F304, F316 etc.
Seat Material	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Motor, Pneumatic operator
End Connection	RF, RTJ

Trunnion Mounted Ball Valve

Top Entry Trunnion Ball Valve

MECCO series TTQ ball valves featuring with uni-body, top entry trunnion mounted ball. This type of valve gives convenient of in-line repair or replace valve internal components without dismantling it from pipeline. MECCO TTQ series ball valves are all fire safe designed comply with API 607 & API 6FA.

Design Feature

- ★ Cast steel uni body (Top Entry)
- ★ Forged steel welded body (Full weld)
- ★ Fire safe design
- ★ Double block & bleed
- ★ Emergency sealant injection
- ★ Cavity pressure self relief
- ★ Blowout-proof stem
- ★ Anti-static
- ★ Optional double piston design

Products Range

Sizes	2"~56"
Ratings	ASME Class 150~2500
Body Materials	Carbon steel, Stainless Steel, Alloy steel
Trim Material	A105+ENP, 13Cr, F304, F316 etc.
Seat Material	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Motor, Pneumatic operator
End Connection	RF, RTJ



Top Entry Trunnion mounted Ball Valve

Full welded Ball Valve

MECCO series BWQ ball valves featuring with fully forged welded body ideal for application of gas transmission & storage. The fully welded body design has no bolted bonnet or body joints that can ensure no potential body joint leak for environmental concern. Also forged steel body assures uniform fine grain structure and toughness free from inevitable casting defects such as porosity, gas hole.

Design Feature

- ★ Full welding between body and bonnet
- ★ Full port or reduce port
- ★ Fire safe design
- ★ Double block and bleed
- ★ Cavity Pressure relief
- ★ Anti blow-out stem and Anti-static device
- ★ Optional double piston design
- ★ Optional underground Extended Stem design

Products Range

Sizes	2"~56"
Ratings	ASME Class 150~2500
Body Materials	Carbon steel, Stainless Steel, Alloy steel
Trim Material	A105+ENP, 13Cr, F304, F316 etc.
Seat Material	PTFE, PEEK, R-PTFE etc.
Operation	Handwheel, Gear, Motor, Pneumatic operator
End Connection	RF, RTJ



Full welded Ball Valve

Design Feature

- ★ Concentric design
- ★ Low torque design
- ★ Bi-directional service
- ★ Self cleaning
- ★ Blow-out proof shaft
- ★ ISO 5211 top flange



Resilient Seated Butterfly Valve

Resilient Seated

Resilient seated butterfly valves are widely used in various industries for both On-off and regulating service. Comparing with traditional globe & ball valve, butterfly valve is less weight and cost effective. Followed by the rapid development on various elastomer material, resilient seated butterfly valves are now used not only for water system but also for various chemical industry.

Products Range

Sizes	2"~36"
Ratings	Class 150
Body Materials	Cast Iron, Ductile Iron, Carbon steel, Stainless steel
Elastomer Material	EPDM, NBR, PTFE, Viton etc.
End connection	Wafer, Lug, Flanged
Operation	Handwheel, Gear Motor, Pneumatic operator

Design Feature

- ★ Triple off-set Zero leakage performance
- ★ Stellite seat
- ★ Bi-directional service
- ★ Frictionless closure
- ★ Blow-out proof shaft
- ★ ISO 5211 top flange



Metal Seated Butterfly Valve

Metal Seated

Metal seated butterfly valves become more and more popular in various industries. MECCO standard metal seated butterfly valve is triple off-set design which has an advantage of light weight, cost effective and low operation torque. It is now replacing traditional gate, globe & ball valve in many industries.

Products Range

Sizes	2"~36"
Ratings	ASME Class 150~300
Body Materials	Carbon Steel, Stainless steel
Seal surface Materials	S.S. , Stellite
End connection	Wafer, Lug, Flanged

Metal Seated Ball Valve

Top Entry Trunnion Ball Valve

MECCO series TTO ball valves featuring with uni-body, top entry trunnion mounted ball. This type of valve gives convenient of in-line repair or replace valve internal components without dismantling it from pipeline. MECCO TTQ series ball valves are all fire safe designed comply with API 607 & API 6FA.

Design Feature

- ★ Metal to metal seal design between ball and seats
- ★ Double block and bleed
- ★ Cavity pressure self relief
- ★ Blowout-proof stem
- ★ Seat designed with dust-proof and automatic cleaning function
- ★ Antic-static device

Products Range

Sizes	1/2"–24"
Ratings	ASME Class 150–1500
Body Materials	Carbon steel, Stainless Steel
Trim Material	A105, 13Cr, F304, F316, F51 etc.
Seat Material	Stellite, Overlay WC, Ni-alloy
Operation	Handwheel, Gear, Motor, Pneumatic operator
End Connection	RF, RTJ



Top Entry Trunnion mounted Ball Valve

API 6A Gate Valve

MECCO standard API 6D gate valve product lines mainly offers two series: expanding gate valves and slab gate valves. Material classes range from AA to FF, temperature classes from K to V and at customers' request PR1 and PR2. MECCO API 6A series expanding-style gate valve is a soft seal or metal-to-metal seal between gate and seats, and available end connection is double flanged, threaded end and welded end (per customer's requirements). MECCO API 6A series slab gate valve is a simple slab gate, double stems, and metal-to-metal seal design. The important difference from expanding gate valve is to design a lower balancing stem at the bottom of gate, so as to reduce the operation torque. End connection is double flanged, threaded end and welded end (per customer's requirements).

Design Feature

- ★ Expanding-style gate structure to extend the seal surface life of gate and seats.
- ★ Upper grease injection fitting to reduce the abrasion between gate and seats.
- ★ Alloy steel coated gate & seat seal surface with corrosion resistance and galling resistance.
- ★ Double seat design to make field maintenance easier.
- ★ Back seat with conical seal surface against stem allows stem seal replacement under pressure.
- ★ Non-rising stem design to permit valve installation in closer quarters.

Products Range

Sizes	1-13/16 2-1/16 2-9/16 3-1/16 3-1/8 4-1/16
Ratings	2000psi to 15000psi
Body Materials	A487 4C/4130 CA15/410SS A351 CF8M/A182 F316
Trim Material	4135-Ni/4135-STL6/4135+WC 410SS+STL6/410SS-WC 17-4PH-WC
Seat Material	4135-Ni/4135-STL6/4135+WC 410SS+STL6/410SS-WC 17-4PH-WC
Operation	Handwheel.
End Connection	RTJ, NPT, HUB



Full welded Ball Valve





In growth, we learn transpositive thinking, set up concept of star grade service, concern what users concern and take users' satisfaction as the first index in weighting the achievement of the company.

The logo for MECCO, featuring the word "MECCO" in a bold, orange, sans-serif font.

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