

WELCO VALVE

FLOW CONTROL EXPERT

www.welcovalve.com

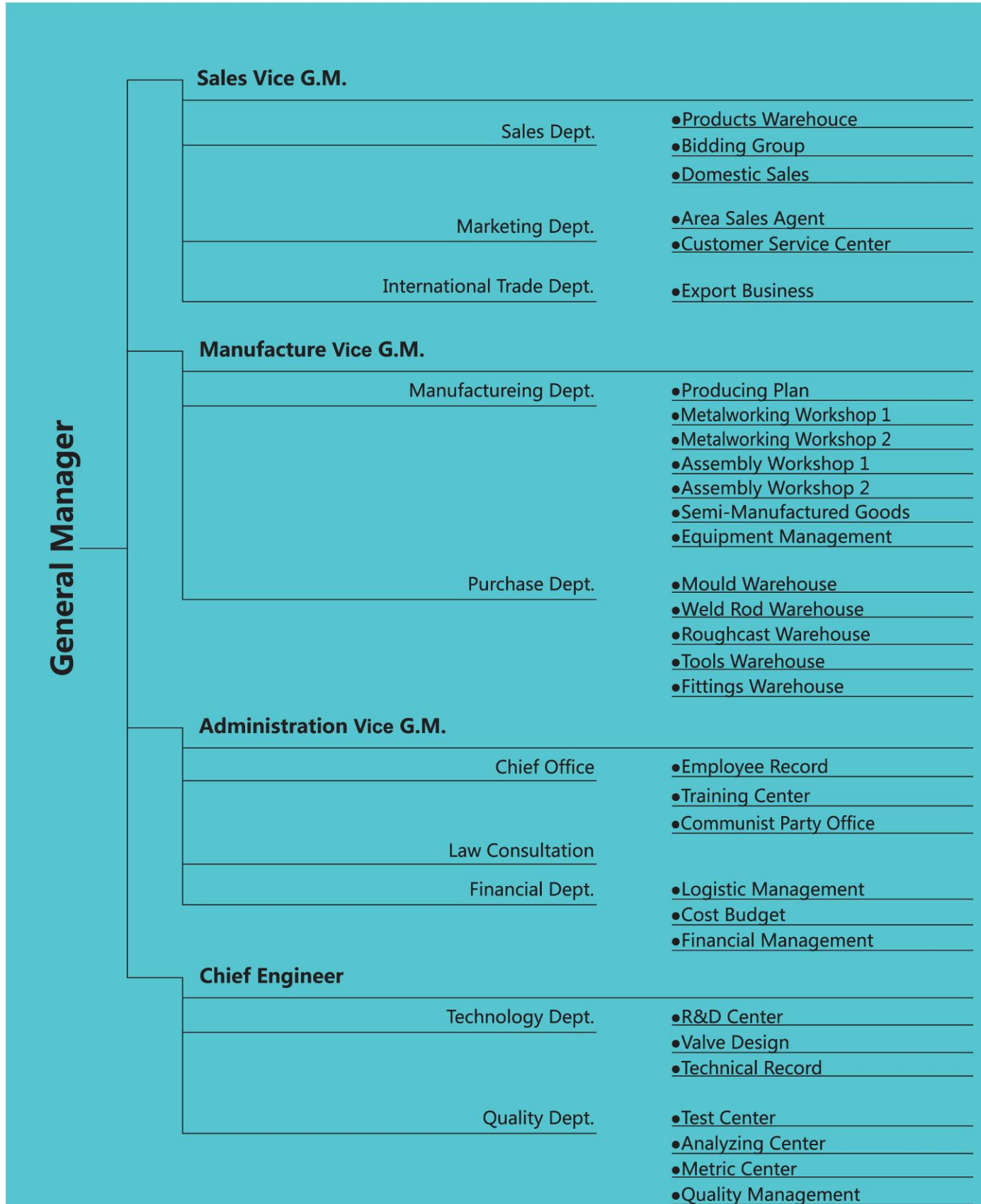
Serving the following industries:

- * Petro-chemical processing
- * Water treatment & distribution
- * Oil & gas transmission pipeline
- * Power station & boiler
- * Mining & Others



威科阀门 - 流体控制专家
WELCO VALVE - FLOW CONTROL EXPERT
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公司结构 Organization Chart



企业介绍 Introduction



Welco Valve is a Chinese leading professional industrial valve supplier, which specialized in R&D, manufacture, sale and after-sale for butterfly valve, ball valve, gate valve, globe valve, check valve etc. It includes two machining and assembly workshops, one synthetic finished and half-finished warehouse.

Now ISO9001:2008 and 97/23/EC(Pressure Equipment) certified, over 120 workers and 200 sets of precise equipments, the advanced numeral control equipments ensure the internal parts accurate and high performance for long-life application. This has made our company business prosperously year by year since 2009, and the valve products have been exported to oversea, such as USA, Mexico, Venezuela, Spain, Italy, France, UAE, Iran, Syria, Saudi Arabia and so on. They are widely used in field of oil, gas, refinery, chemical, marine, power station, dirty water processing, pipeline industries, and it always won high reputation.

It has a modernized working team for our valve product technology research & development. They strictly comply with ISO9001 procedures in every step. And now Welco valve has ability to manufacture high temperature and high pressure valve series for butterfly valve, ball valve, gate valve, globe valve, check valve. Diameter of valves range from DN15 to DN2400 (1/2" - 96"); design pressure from 0.6 MPa to 42 MPa (125Lb to 2500Lb); and design temperature from -196 Celsius degree to +600 Celsius degree; the main body materials are carbon steel WCB, WCC, stainless steel CF8(M), CF8C, CF3(M), duplex steel A890 Grade 4A, 5A, high temperature alloy steel ASTM A217 WC1, WC6, WC9, C5 and C12, low temperature carbon steel likely A352 LCB, LCC, LC1, LC3, also available forged steel A105, LF2, F304(L), F316(L), F5, F11, F22, F51 etc; the actuators include manual type, gear type, electric type, pneumatic type, hydraulic type; gas over oil type at the choice, the design standards adopt international standards such as API, ANSI, JIS, ISO, DIN, BS and NF. The manufacturer owns precise casting moulds for internal parts, integrated physical and chemical analysis instrument, experimentation equipments and testing methods, as well CAD design centre, which ensure the quality in world top level.

We provides better and better quality commitment, insists on quality first, service sincerely. As a supplier of manufacture, technology research, sale and service integrated all in one, we sincerely expect to service the industry of flow control. If you have any queries, you could find answers from our engineer's team, also we sincerely wish we can shake hands and create a flourishing future in future.



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资质证书 Certification

Welco valve now strictly abide by quality control systems according to the parent group company. The group has passed through Norway DNV ISO9001 quality management system, ISO14001 environmental management system, OSHA18001 occupational health management system, API 6D of the American Petroleum Institute, the European CE mark, TS mark for the state General Administration of quality Supervision, Inspection and Quarantine pressure piping components manufacturing license and metrology inspection system qualified series certification. As well, the group also have a lot of member certificates, honor certificates and patent certificates and so on.



Commitment

Dedicated to the flow control industry to provide high-quality, high value-added valves and related fluid control products and services, we hereby state our quality warranty as below:

1. The chemical element and physical property can reach ASTM national standard for valve material. (We offer EN10204/3.1B mill certificate for each product).
2. The valve stem and relative internal parts are machined by the accurate grinding machine and suit for applications after carrying out different heat treatment according to special requirements.
3. Valves are tested strictly according to API 598, ISO 5208, GB/T13927 or special requirement upon request, without leakage allowance during air and hydraulic test.
4. Valve parts are made strictly according to machining technology to assure the dimensions accuracy for inter changeable usage. The tolerance of basic dimensions conforms to national standards ANSI B16.5, ANSI B16.10 and GB1800-1804-79 etc.
5. Internal cavity and appearance for each valve product should be grinded carefully, paint superior anti-rust oil in the internal cavity, and external paint is according to the client's requirements.
6. Our company is available to design and produce non-standard valves according to the requirements if being requested, and paint and pack all the valves with plywood cases free of charge for seaworthy transportation.
7. To guarantee 18 months quality from the date of delivery. If there is any quality problem in guarantee period for normal operation and use, we are responsible to change or repair and bear the transport freight.
8. It is available to supply installation, maintenance and/or adjustment instructions, and related technical information.
9. The customer may place an order by phone, our sales representative assures to supply the products with high quality, efficient service and fast delivery.

质量控制 Quality Control

Welco owns high precise numerical control and processing machines, advanced equipment and testing instruments, polish technology and strict and perfect quality management system. To collect the science and technology team with professional technique elite and leading idea, take full advantages of new technique, new material to ensure stability of products. The quality of our products in source form advanced manufacturing method and excellent consciousness source from continuous innovation.

Rigorous, practical and never relax working style, rooted in every production process, the inspectors are highly responsible for every component, with the most advanced testing equipment and rigorous scientific management, so that each product can be measured and tested meticulously by customers.

We are sure that all products can exert their performance in effective life by our perfect design, machine and service. Make sure of completely new managing concept and strong professional technology force to produce excellent quality in accordance with international standards and requirements.



If being requested by our customer, we can also make the following non-destructive testing:
1. Dye Penetrant; 2. Magnetic Particle; 3. Ultrasonic; 4. X-ray Radiography; 5. Electromagnetic.

闸 阀 Gate Valves

Welco gate valves are primarily used for stop valves fully opened or fully closed, bolted bonnet, one-piece flexible or solid wedge gate, full port, outside screw and yoke, integral body seats or separate seat rings. The body materials are carbon steel, alloy stainless, and stainless steel, also special material likely Monel, Hastelloy C, Inconel, Bronze and so on. The trim materials are as per API 600 or customized upon request.

Products Range

Size: 2" ~ 60"(DN50 ~ DN1500)

Rating: ANSI 150lb ~ 2500lb (PN1.0MPa ~ PN42.0MPa)

Standard specification

General wedge gate valve: API 600 / BS 1414 / ISO 10434 / DIN 3352;

Through-conduit gate valve (flat-plate gate valve) : API 6D;

Stainless steel gate valve: API 603 or ASME B16.34, cryogenic gate valve: BS 6364;

Inspection and Test: API 598 / API 6D / BS 6755-1 / ISO 10434 / DIN 3230;

End flange dimension: ASME B 16.5 (for NPS≤24), ASME B16.47 series B, API605 or ASME B 16.47 series A, MSS SP-44(for NPS>24), DIN 2543-2547;

BW end dimension: ASME B 16.25;

Face to face and end to end: ASME B 16.10, DIN 3202.

Main materials: Carbon steels ASTM A216 Grades WCB and WCC; Alloy Steels ASTM A217 Grades WC1, WC6, WC9, C5, C12 and C12A; impact-tested carbon-manganese steels ASTM A352 Grades LCB and LCC; corrosion-resistant steels ASTM A351 Grades CF8(M), CF8C, CF3(M); duplex ASTM A890 Grade 4A, 5A etc.

Operation: Handwheel, Gear, Electric, Pneumatic, Hydraulic



截止阀 Globe Valves



Globe valves usually are bolted bonnet and pressure seal design, also other structure features available Y-type globe valve, angle globe valve, bellow seal globe valve, stop&check globe valve. The main materials are carbon steel, alloy stainless, and stainless steel, also special material likely Monel, Hastelloy C, Inconel, Bronze and so on. The trim materials are as per API 600 or customized upon request.

Products Range

Size: 2" ~ 28"(DN50 ~ DN700)

Rating: ANSI 150lb ~ 2500lb (PN1.0MPa ~ PN42.0MPa)

Standard specification

General globe valve: BS 1873, API 623, ASME B16.34, DIN 3356;

Stainless steel globe valve: API 603 or ASME B16.34, cryogenic globe valve: BS 6364;

Inspection and Test: API 598, ISO 5208, DIN 3230;

End flange dimension: ASME B16.5 (for NPS \leq 24), ASME B 16.47 series B, API 605 or ASME B 16.47 series A, MSS SP-44(for NPS $>$ 24), DIN 2543-2547;

BW end dimension: ASME B 16.25;

Face to face and end to end: ASME B 16.10, DIN 3202.

Body materials: Carbon steels ASTM A216 Grades WCB and WCC; Alloy Steels ASTM A217 Grades WC1, WC6, WC9, C5, C12 and C12A; impact-tested carbon-manganese steels ASTM A352 Grades LCB and LCC; corrosion-resistant steels ASTM A351 Grades CF8(M), CF8C, CF3(M); duplex ASTM A890 Grade 4A, 5A etc.

Operation: Handwheel, Gear, Electric, Pneumatic, Hydraulic

止回阀 Check Valves

Not only general swing check valves, dual plate check valve and piston check valve, our company also can make ball type check valve, tilting check valve and so on. The main materials are carbon steel, alloy stainless, and stainless steel, also special material likely Monel, Hastelloy C, Inconel, Bronze and so on. The trim materials are as per API 600 or customized upon request.

Products Range

Size: 2" ~ 36"(DN50 ~ DN900)

Rating: ANSI 150lb ~ 2500lb (PN1.0MPa ~ PN42.0MPa)

Standard specification

General check valve: BS 1868, API 6D, ASME B16.34, DIN 3356;

Wafer, lug, flanged and butt-welding dual-plate or single-plate check valve: API 594;

Stainless steel check valve: API 603 or ASME B16.34;

Inspection and Test: API 598, ISO 5208, DIN 3230;

End flange dimension: ASME B 16.5 (for NPS \leq 24), ASME B 16.47 series B, API605 or ASME B 16.47 series A, MSS SP-44(for NPS $>$ 24), DIN 2543-2547;

BW end dimension: ASME B 16.25;

Face to face and end to end: ASME B 16.10, DIN 3202.

Body materials: Carbon steels ASTM A216 Grades WCB and WCC; Alloy Steels ASTM A217 Grades WC1, WC6, WC9, C5, C12 and C12A; impact-tested carbon-manganese steels ASTM A352 Grades LCB and LCC; corrosion-resistant steels ASTM A351 Grades CF8(M), CF8C, CF3(M); duplex ASTM A890 Grade 4A, 5A etc.



球 阀 Ball Valves



We manufacture cast & forged floating ball valve, trunnion ball valve, available top entry design, fully welded structure ball valve and more. The basic design API 6D, ASME B16.34, API 608, BS 5351 etc.

Products Range

Size: 1/2" ~ 48"(DN15 ~ DN1200)

Rating: ANSI 150lb ~ 2500lb (PN1.0MPa ~ PN42.0MPa)

Features: 1. Hollow/solid ball, 2. Anti-fire safe design, 3. Anti-static device, 4. Free leakage of body Sealed construction, 5. Low torque in operation, 6. Double block & bleed (DBB), 7. Emergency sealing, 8. Extension stem at your choice, 9. Automatic body cavity relief, 10. Various driving types: gear, lever, electric, hydraulic, pneumatic, gas over oil.

Main Material Specifications

Body/Cap material: WCB, LCB, A105, LF2, A351 CF8(M), CF3(M), A182 F304(L), F316(L), F51 etc.
Ball/stem/seat retainer: A105+ENP, A350 LF2+ENP, A182 F304(L), A182 F316(L), A182 F6a, F51, 17-4PH etc.

Seal ring: PTFE / RPTFE / NYLON / VITON / PEEK or "Metal to Metal" seated

蝶阀 Butterfly Valves

Welco Valve produces double eccentric butterfly valves, and triple offset butterfly valves in soft sealing or hard sealing, for special design such as bi-directional butterfly valve and high temperature or low temperature butterfly valves.

Products Range

Size: 2" ~ 96"(DN50 ~ DN2400)

Rating: ANSI 125lb ~ 600lb (PN0.6MPa ~ PN10.0MPa)

The main body materials: ductile iron to ASTM A 536 Grade 65-45-12 / GGG40, GGG50; cast carbon steels ASTM A216 Grades WCB and WCC; alloy steels ASTM A217 Grades WC1, WC6, WC9, C5, C12 and C12A; impact-tested carbon-manganese steels ASTM A352 Grades LCB and LCC; corrosion-resistant steels ASTM A351 Grades CF8(M), CF8C, CF3(M); duplex ASTM A890 Grade 4A, 5A etc.; aluminum bronze ASTM A148 C95500, C955800 etc. The trim material can be customized upon request.

Standard specification

Design and manufacture: API 609, BS 5155, MSS SP-67, EN593, MSS SP-68, GB/T12238;

Testing and inspection: API 598, ISO 5208, BS 6755-I etc;

Face To Face: API 609, ISO 5752, DIN3202-K1, EN558-1 20 Series, BS5155, MSS SP-67 etc;

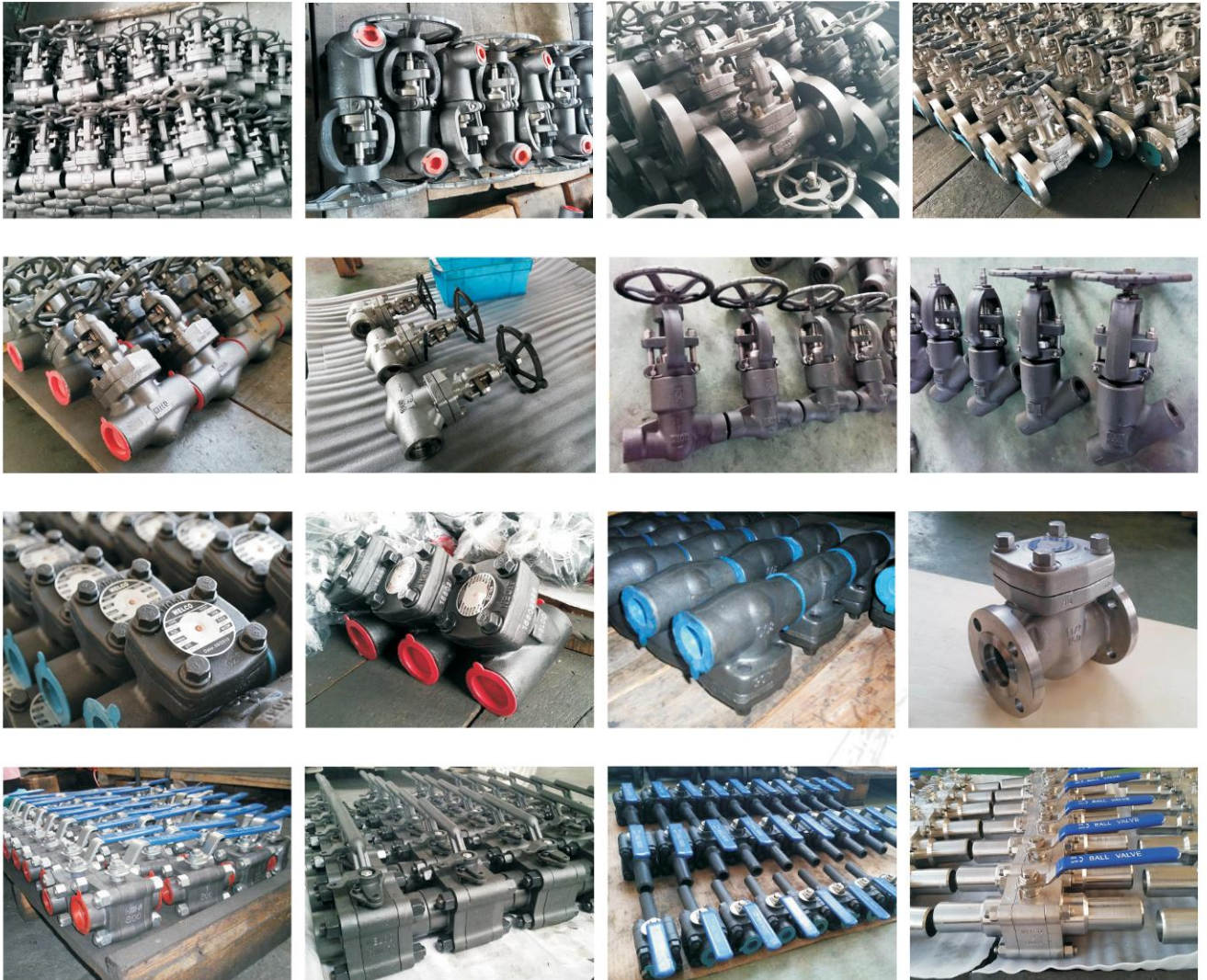
Flange & Drilling dimension: ASME B16.5, B16.47, API 605, AWWA C207, EN1092, BS / DIN / JIS Std;

BW end dimension: ASME B 16.25;

Leakage Class: ANSI CLASS V & VI (Zero Leakage).



锻钢阀 Compact Forged Valves



Forged steel valves are mainly applicable to pipelines in various systems of petroleum and natural gas industries, fire power stations, cutting off or connecting pipeline media. Because of its performance, technical characteristics and special working conditions, the products can not be replaced by other products in some occasion.

Products Range

Size: 1/2" ~ 4"(DN15 ~ DN100)

Rating: ANSI 150lb ~ 2500lb (PN1.6MPa ~ PN42.0MPa)

Valve type: gate, globe, check and ball valves.

Basic design and manufacture: API 602, BS 5352, BS 5351.

Applicable pressure: Class 150, Class 300, Class 600, Class 800, and Class 1500, Class 2500.

Connection type: socket welding (ASME B 16.11) or threaded ends(ASME B1.20.1), flanged ends(ASME B16.5), butt-welding ends (ASME B16.25).

The body materials are ASTM A105, A350 LF2, A182 F5, F9, F11, F22, F91, F304(L), F316(L), F51, Monel, Hastelloy C, Inconel, Bronze material and so on. The trim materials are as per API 600 or customized upon request.

其他钢制阀门和零件 Other Steel Valves & Parts

To offer you a better perfect service for flow control solution, Welco Valve is professional in supplying a variety of valves and parts. Such as block and bleed valve, plug valve, Y-strainer, basket strainer, safety valve, pressure reducing valve, diaphragm valve, knife gate valve, choke valve, as well as the valve parts, actuator, fasteners etc in different material and specification according to customer's requirement.

The main materials are carbon steel, alloy stainless, and stainless steel, also special material likely Monel, Hastelloy C, Inconel, Bronze and so on. The trim materials can be customized upon request.



铸铁/球铁阀门 Cast / Ductile Iron Valves



The sales team of Welco Valve has been supplied cast iron valves for years since it established, including cast iron gate valve(rising stem/non-rising stem & metal seated / resilient seated), cast iron globe valve, cast iron check valve, cast iron strainer, cast iron butterfly valve, which widely are used in water pipes, waste water pipes, construction drains, buried drains, gas pipes, electrical casing, agricultural pipe, industrial pipe and other low pressure occasions.

Main shell materials: ASTM A126-B, ASTM A536 Grade 65-45-12 / GGG40, GGG50, HT200, HT250, HT300、 HT350, QT400-15, QT450-10, QT500-7 etc.

法兰 Flanges

Type: Slip-On, Welding Neck, Blind, Socket Welding, Threaded, Lap Joint and Plate etc.

Pressure Ratings: Class 150 thru 2500 / PN 6 thru 420 / JIS 5K thru 20K

Materials: Carbon steel, Stainless steel and Alloy steel etc.

Standards: ANSI, API, BS, DIN, UNI, JIS and MSS SP etc.

Size: 1/2" ~ 64" (DN15 mm thru 1600 mm)

We can also manufacture non-standard of steel flanges as per the drawings provided by customers.



管道配件 Pipes & Fittings

Type: Elbow 90° LR/SR, 180° LR/SR, Elbow 45° LR, Equal Tee, Reducing Tee, Pipe reducer, Pipe Cap etc.

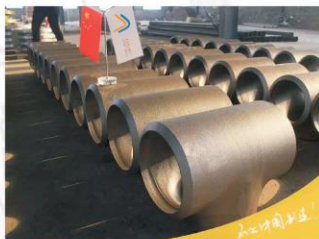
Type: Concentric and Eccentric Reducers, Caps, Plugs, Forged Fittings etc.

Wall Thickness: Schedule 5 through XXH

Materials: Carbon steel, Stainless steel and Alloy steel etc.

Standards: ANSI/ASME, MSS SP, DIN and JIS etc.

Size: 1/2" thru 48" (DN15 mm thru 1200 mm)



NOTE: WELCO RESERVES THE RIGHT TO MODIFY OUR PRODUCTS AND INFORMATION FOR IMPROVEMENT WITHOUT PRIOR NOTICE.

Our Vision:

To build a modern enterprise, innovate a Welco mode.

1. providing customers with the fast, premium services and complete solutions, leading to become a strategic trust partner for every customer;
2. equitable opportunities for employees, more challenging and strategic goal-oriented work environment, become inspire employees to maximize the value of the development platform;
3. to become the benchmark of the industry the humanities value orientation;
4. to create a very creative, standardized modern company.



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