LG Valve

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• 浙江良高阀门有限公司 •

ZHEJIANG LG VALVE CO.,LTD

Dedicated to high-quality knife gate valves & metallurgical valves



LGD-双片式双向密封刀闸阀
Double-piece Bidirectional Seal Knife Gate Valves;



冶金阀门-四联杆通风蝶阀
Metallurgical Valve Series-Four-bar Vent Butterfly Valve

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Product manual

LG Valve

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I Company Profile

LG Valve





Zhejiang LG Valve Co., Ltd.

With a registered capital of RMB 16 million and a production plant area above 7000㎡, Zhejiang LG Valve Co., Ltd. is located in Wenzhou City, which is famous for its pump and valve manufacturing industry.

Our company has passed PRC **TS and ISO9001** quality system certification, as well as CE, EAC-032 overseas market access qualification. We have the **right of self-support export**, and supplied related valve products to Russia, Southeast Asia and Eastern Europe. In the domestic market, we have established business relationships with **China Railway Tunnel Group, PowerChina RoadBridge Group Chongqing Branch, CNNC Heavy Industry (Hubei)** and other state-owned enterprises.

Our company produces 3 types of medium&large size valves: knife gate valves, metallurgical valves, gate& globe valves. Among them, the self-developed and patented knife gate valves have passed **ISO5208 Class A** testing, with the good performance of no leakage in the middle cavity after 5,000 times of opening and closing of the gate.

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1 Company Qualifications

LG Valve

Our company has a total of 63 employees, including 4 valve engineers with intermediate professional titles . We have multiple CNC machining centers, CNC lathes, vertical lathes, gantry machining centers and other metal cutting machine tools, which can achieve high-precision machining of metals. At present, we have TS, CE, EAC-032, ISO9001,qualified High-tech SME and other types of certification.



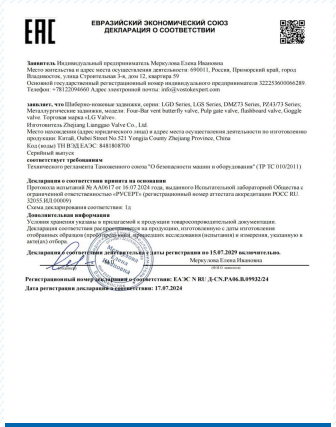




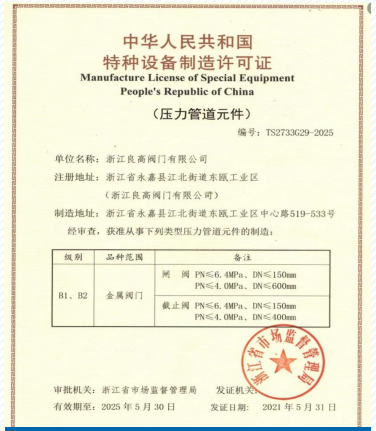
ISO9001



CE



EAC-032



PRC qualified special equipment manufacturer

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2 Key Customers

LG Valve

Our knife gate valves and metallurgical valves are widely used in infrastructure construction, such as mud, ore pulp, paper pulp, and smoke exhaust pipelines operating mode. We have supplied products to the central state-owned enterprises such as China Railway Group and China Electronics Technology Group. In the overseas market, we have supplied products to Emerson and other Big name enterprises.

Infrastructure Sector

China Railway Tunnel Group

PowerChina RoadBridge Group

China Nuclear Pipeline Heavy Industry

青岛电站阀门有限公司 Qingdao Power Station Valve Co., Ltd.

昆山水务集团 KSWATER GROUP

Industrial Manufacturing Sector

振华工业 ZHENHUA INDUSTRIAL

杭州凯维阀门集团有限公司 HANGZHOU KAIWEI VALVE GROUP CO., LTD.

重庆钢铁(集团)有限责任公司 CHONGQING IRON & STEEL(GROUP)CO.LTD

远大阀门 YUANDA VALVE

航天泵阀 SHBF SPACE PUMP & VALVE

河南济源钢铁（集团）有限公司 HENAN JIYUAN IRON & STEEL (GROUP) CO., LTD

II Knife-type Gate Valve Series

LG Valve

Our company produces 4 series of knife gate valves, which are suitable for pipelines with pressure of **0.6Mpa, 1.0Mpa, 1.6Mpa, 2.0Mpa, and 150LB**. They are widely used in papermaking, mining, infrastructure and other industries.

LGD Series



Flagship Product

Double-piece Bidirectional Seal Knife Gate Valve Series

LGS Series



Flagship Product

Lug type Bidirectional Seal Knife Gate Valve Series

DMZ73 Series



Covered Knife Gate Valve Series

PZ43/73 Series



Rising Stem Quincuncial/Circular Knife Gate Valve Series

1 LGD series - Double-piece Bidirectional Seal Knife Gate Valves

LG Valve

The valve body of LGD series knife gate valve is double-piece closed design, which attains the machining of the inner cavity of the valve body, and the valve body can be **fully lined with rubber or polyurethane**. This product has passed ISO5208-2.0Mpa test and obtained 0 leakage rating.

It adopts the **patented 45-degree fit of the gate edge and sealing surface**, which strengthens the sealing of the valve without increasing the opening torque, and realizes a good performance of **0 leakage in the middle cavity after 5,000 times gate opening and closing test** .



	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB CF8 CF8M 310S CF3M GGG40	201 304 316 316L 310S	420 304 316 316L	NBR EPDM FKM VMQ Fully Lined PU Fully Lined Rubber	DN50 to DN1000	1.0Mpa 1.6Mpa 2.0Mpa 150LB

Opearting mode: Mud, paper pulp, ore pulp, shield tunneling machine pipelines, slag discharge, seawater pipelines, etc. in medium-strong acid and medium-low temperature conditions.

Scan the QR code to get the 3D display of the product.

2 LGS Series - Lug Type Bidirectional Seal Knife Gate Valves

LG Valve





LGS series knife gate valves are bidirectional seal valves. The valve body is made of ductile iron, which has corrosion resistance. The valve body is designed with a **patented slot** to ensure **light opening and closing torque.** After embedding the rubber seal, it can fulfil **8,000 times of gate opening and closing without the seal coming off**. The product has passed ISO5208-1.0Mpa test and obtained 0 leakage rating.

	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	GGG40 CF3M CF8 CF8M	201 304 316 316L 310S	420 304 316 316L	NBR EPDM FKM VMQ PU	DN50 to DN1600	1.0Mpa 150LB

Opearting mode: Weak acidic wastewater, mud, paper pulp, ore pulp, tailings, seawater, chemical pipelines in medium and low temperature conditions.

Scan the QR code to get the 3D display of the product.

3

DMZ Series - Knife Gate Valve With Cover

LG Valve





DMZ series knife gate valves are unidirectional seal valves and are conventional general-purpose valves. Both hard and soft seals are available, and **ceramics can be embedded as seal**. The product enhances the pressure-bearing capacity in the middle cavity through the valve cover.With **the purging hole design on the valve cover, it can prevent ash from the inner cavity clogging after long-time use**.

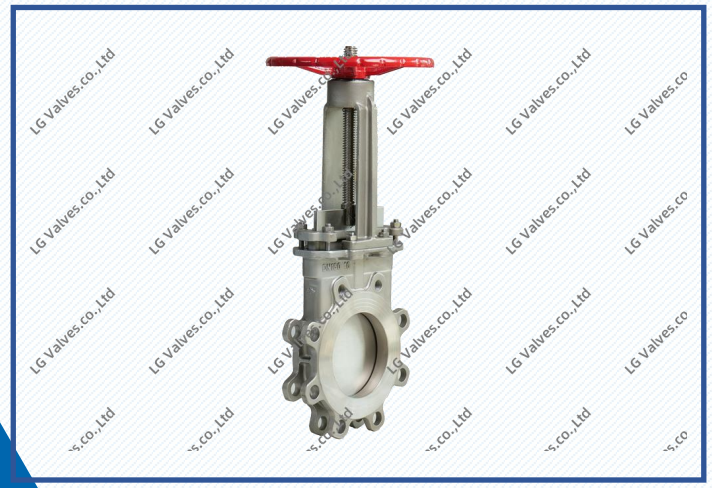
	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB CF8 CF8M CF3M 310S	201 304 316 316L PEEK 310S	420 304 316 316L	NBR EPDM FKM VMQ PU PTFE	DN50 to DN3000	1.0Mpa 1.6Mpa 150LB
Hard seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB CF8 CF8M CF3M 310S	310S 201 304 316 316L	420 304 316 316L	WCB Ceramic 304 STL	DN50 to DN3000	N/A

Hard seal is suitable for slag, dust, etc. in high temperature conditions.
Soft seal is suitable for ore pulp, mud, paper pulp, seawater, etc. in medium and low temperature conditions.

Scan the QR code to get the 3D display of the product.

4 PZ43/73 Series - Rising Stem Quincuncial/Circular Knife Gate Valves





PZ43/73 series knife gate valves are unidirectional seal regular knife gate valves with good versatility. Both hard and soft seals are available, and **ceramics can be embedded as seal**. This product is widely used in slurry and slag discharge pipelines in medium and low temperature conditions, and is a cost-effective product.

	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB CF8 CF8M CF3M 310S	201 304 316 316L 310S PEEK	420 304 316 316L	NBR EPDM FKM PTFE PU	DN50 to DN1000	1.0Mpa 150LB
Hard seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB CF8 CF8M CF3M 310S	201 304 316 316L 310S	420 304 316 316L	WCB Ceramic 304 STL	DN50 to DN1000	N/A

Hard seal is suitable for slag, dust, etc. in high temperature conditions.
Soft seal is suitable for ore pulp, mud, paper pulp, seawater, tap water, etc. in medium and low temperature conditions.

Scan the QR code to get the 3D display of the product.

5

PZ43/73 Series - Self-sealing Knife Gate Valves

LG Valve





PZ43/73 series of self-sealing knife gate valves utilize two rubber seats to clamp and press the gate to seal. When the gate is fully open, the two sealing valve seats fit and get close together, forming a full rubber short pipeline, which achieves a better sealing effect in conjunction with the pressure inside the pipeline. They are suitable for industrial and mining pipelines where wear resistance is required.

	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	GGG40	201 304 316 316L 310S	420 304 316 316L	NBR EPDM FKM VMQ PU	DN50 to DN600	1.0Mpa 150LB

Suitable for highly wear-resistant pipelines, such as ore pulp, mud, paper pulp pipelines in low and medium temperature conditions.

Metallurgical Valve Series

Metallurgical valves are mainly used for special operating mode in the chemical, metallurgical, mineral and other industries. Most of the components of the valve are connected by welding, and the product can be **customized according to the requirements of customers**. We can produce various types of non-standard metallurgical valves such as four-bar vent butterfly valves, ore pulp valves, goggle valves, flashboard valves, etc.



Four-bar Vent Butterfly Valve



Ore Pulp Valve



Gate Valve

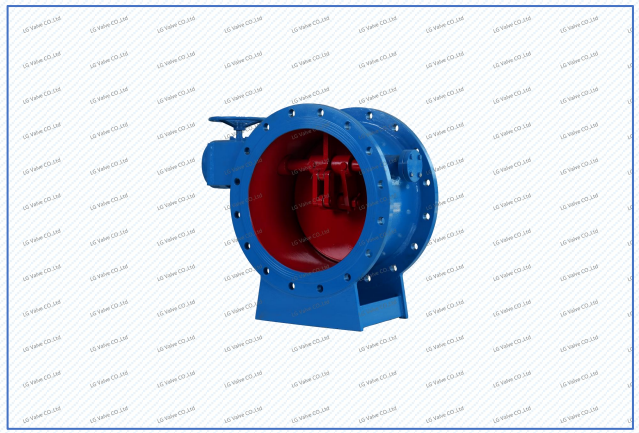


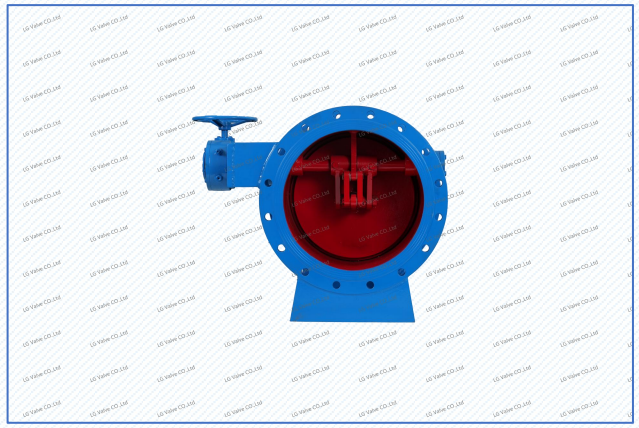
Goggle Valve

LG Valve

1 Four-bar Vent Butterfly Valve

LG Valve





The vent butterfly valve use four-bar design, which strengthens the pressure-bearing of the valve and is suitable for flue gas pipelines below the pressure of 0.6Mpa. It is mainly used in metallurgical and mining industries.

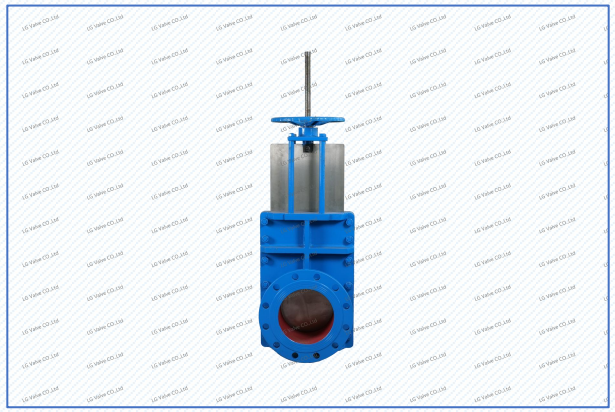
	Available drive types	Valve body material	Disc material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, turbine, electric, pneumatic, hydraulic, electro-hydraulic	Q235 CF8 CF8M CF3M 310S	Q235 304 310 316 310S	420 304 316L 310S	NBR EPDM FKM PTFE PU PEEK	DN400 to DN2000	0.1Mpa 0.25Mpa 0.6Mpa
Hard seal	Manual, turbine, electric, pneumatic, hydraulic, electro-hydraulic	Q235 CF8 CF8M CF3M 310S	Q235 304 310 316 310S	420 304 316L 310S	Q235 Ceramic 304 STL	DN400 to DN2000	N/A

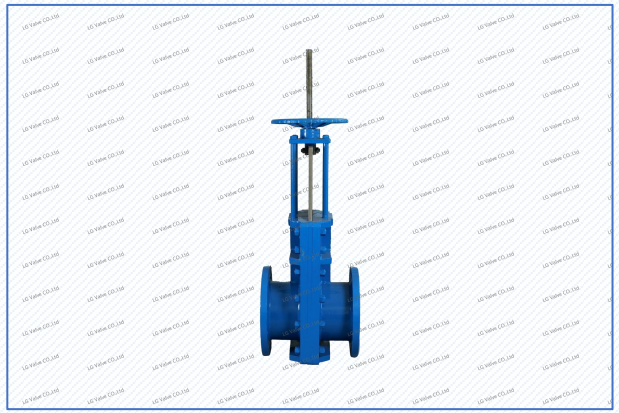
Applicable conditions: Suitable for medium and low temperature flue gas pipelines in chemical and metallurgical industries.

Scan the QR code to get the 3D display of the product.

2 Ore Pulp Valve

LG Valve





The ore pulp valve adopts the three-piece combination structure, which can bear medium and high pressure above 2.0Mpa. It is suitable for particle material conveying in mining, metallurgical, coal, and chemical industry, power plant, etc. In order to undertake high wear-resistant conditions, we use PEEK material as sealing ring, which is effectively adapted to high-pressure pipelines.

	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB Q235 CF8 CF8M CF3M 310S	201 304 310 316 310S	420 304 316L 310S	NBR EPDM FKM PTFE PU PEEK Nylon	DN300 to DN600	2.5 MPa 4.0Mpa 6.4Mpa

Applicable conditions: Particle material conveying pipelines in mining, metallurgical, coal, chemical industry, power plant, etc.

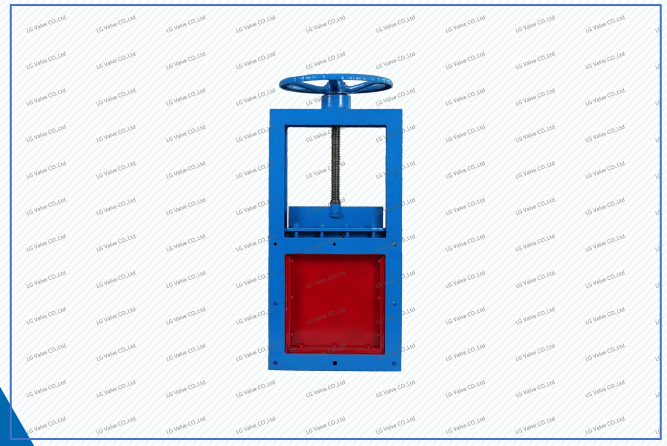
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3

Flashboard Valve

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Flashboard valves are suitable for low-pressure dust and slurry pipelines. The sealing surface of the gate, scrape the adhesion on the sealing surface, remove debris automatically, and prevent dust and slurry slag from clogging the inner cavity.

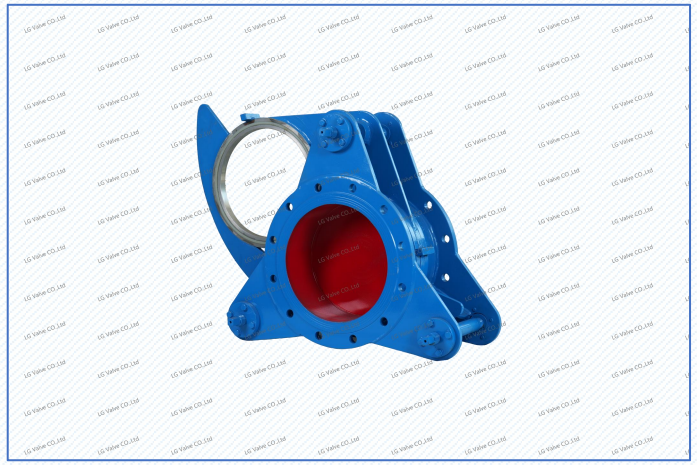
	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	Q235 CF8 CF8M CF3M 310S	201 304 310 316 310S	420 304 316L 310S	NBR EPDM FKM PTFE PU PEEK	200*200 to 1500*1500	0.1Mpa
Hard seal	Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	Q235 CF8 CF8M CF3M 310S	201 304 316 310S	420 304 316L 310S	WCB STL 304	200*200 to 1500*1500	N/A

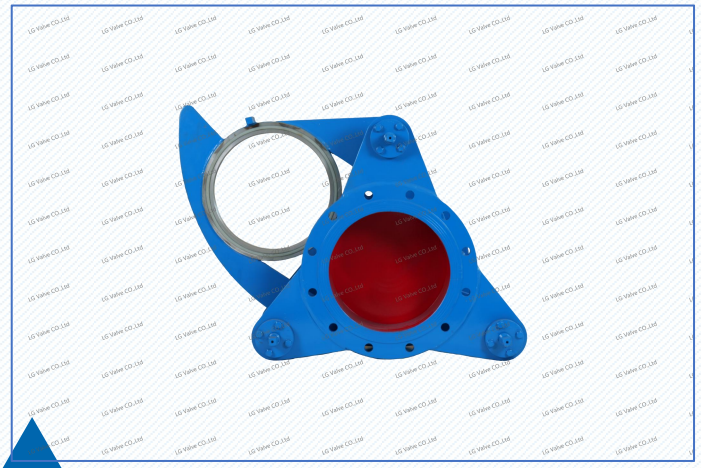
Applicable conditions: Soft seal is suitable for low temperature and low pressure sewage and dust pipelines; hard seal is suitable for high temperature and low pressure sewage and dust pipelines.

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4 Goggle Valve

LG Valve





Goggle Valve are mainly used in gas pipelines to achieve the diversion, merging, or flow direction switching of media. They are mainly used in gas, natural gas and other combustible gas pipelines.

	Available drive types	Valve body material	Gate material	Stem material	Sealing material	Size	Working pressure
Soft seal	Manual, turbine, electric, pneumatic, hydraulic	Q235 CF8 CF8M CF3M 310S	201 304 310 316 310S	420 304 316 310S	NBR EPDM FKM PTFE PU PEEK	DN300 to DN2200	0.1Mpa 0.25Mpa 0.6Mpa

Applicable conditions: Gas pipelines in low pressure conditions.

Scan the QR code to get the 3D display of the product.

IV Gate Valve & Globe Valve Series

Gate valves, globe valves, check valves are general-purpose valves, and they are widely used in petrochemical, sewage treatment and other industries. They are the most common general-purpose valves. We design and manufacture these valves according to Chinese national standards GB/T12234, GB/T12235 and GB/T12236.

Gate Valve



Globe Valve



Check Valve



Available drive types	Valve body material	Calve clack/valve seat material	Stem material	Sealing surface material	Size	Working pressure
Manual, bevel gear, electric, pneumatic, hydraulic, electro-hydraulic	WCB LCB	304 WCB LCB 316 310S	420 304 316 310S	PTFE Alloy steel	DN50 to DN600	1.6Mpa 2.5Mpa 4.0Mpa 6.4Mpa 10Mpa

LG Valve

Welcome Enquiry



Double-piece Bidirectional Seal Knife Gate Valve
LGD Series



Lug type Bidirectional Seal Knife Gate Valve
LGS Series



Metallurgical Valve Series



Gate & Globe Valve Series

Dedicated to high-quality knife gate valves & metallurgical valves

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