

U.S.CDG UNIVERSAL VALVE

CDG



CDG Valve Manufacturer

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CDG Valve Manufacturer





## COMPANY HISTORY

- 1963 : Founded CDG.
- 1985 : CDG brand creation.
- 1989 : Production of pneumatic actuators, and Italy FABIA to establish acooperation.
- 1992 : With the United States FAIRCHILD cooperation, Production of electric actuators.
- 2001 : Focus on the production and assembly of CDG.
- 2005 : Production of hydraulic actuators.
- 2006 : Production of valves.
- 2011 : Oil station development and use.
- 2016 : Set up a number of representative offices in China.
- 2017 : Set up general valve business division.

## ENTERPRISE PROFILE

The CDG is a famous industrial control products manufacturers, the company is headquartered in America's largest city, Detroit, Michigan is located in the northeastern United States, Canada, Detroit river north of Windsor an important port city. With strong industrial base and freight advantage.

CDG products have unique design, short delivery time, competitive price and excellent after-sales support. As a professional manufacturer of valves, it quickly became the industry leader.

CDG has more than 50 years experience in the valve industry. The r&d department USES these experiences to constantly design new products, improve existing products, and adapt to changing market demands and constantly improving international standards.

CDG can provide standard and non-standard solutions that can be customized according to customer needs.

CDG has created a wide range of reliable products. CDG is favored and admired by the world's leading EPC and oil and gas companies because of its high performance in extreme conditions.

Its products are used in power plant, petrochemical, metallurgy, papermaking, automobile and more Product certification based on customer requirements and government legislation is a guarantee of product quality. CDG USES advanced testing laboratories to ensure the durability of its products. Fire safety, high temperature and low temperature testing can be carried out under extreme conditions.

CDG good position, provide comprehensive after-sales support, fast, efficient, with unparalleled expertise. Our skilled engineers and technicians work 24 hours a day to respond to customer queries, solve problems, and provide reliable solutions. A comprehensive after-sales service creates a complete solution, customer support, covering all requirements.

CDG is a long-term, reliable, available and cost-effective partner for your existing and new business.

CDG brand is comprehensive, including valve and oil station, pneumatic actuator, electric actuator and hydraulic actuator and other related fields. To enable CDG to meet different needs it can be sold separately, and can be matched in a complete set, so that users can reduce their worries.



CHINA FOOTPRINT



Guangzhou representative  
office



Service Centre



training center

SERVICE TRADE

01 Thermal power



02 steel



03 Combined heat  
and power



04 chemical industry



05 Petrification



06 Architecture



U. S. CDG UNIVERSAL VALVE

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Gray Iron Dark Rod Soft Sealed Gate Valve



Model	GA-ZAFCBF-16
Specifications	DN50~DN600
Applicable pressure	PN16
Applicable temperature	0℃~80℃
Applicable medium	Water, oil, Non-corrosive fluids
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Gray cast iron NBR

Gray iron open rod soft seal gate valve



Model	GA-ZMFCBF-16
Specifications	DN50~DN600
Applicable pressure	PN16
Applicable temperature	0℃~80℃
Applicable medium	Water, oil, Non-corrosive fluids
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Gray cast iron EPDM

Electric Elastic Seat Gate Valve



Model	GA-EZMFCBF-16
Specifications	DN50~DN600
Applicable pressure	PN16
Applicable temperature	0℃~80℃
Applicable medium	Water, oil, Non-corrosive fluids
supply voltage	380V
Other	With handwheel, automatic switching of flashlight
Texture of material	Ontology: Gray Iron Disc: Gray cast iron EPDM

Gray iron open bar gate valve



Model	GA-ZMFCF-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 P25
Applicable temperature	29℃~425℃
Applicable medium	Gas, Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Alloy

Steel concealed stem gate valve



Model	GA-ZMFCF-16/25 GAZAUF-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 P25
Applicable temperature	29℃~425℃
Applicable medium	Gas, Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel Disc: Alloy

Steel open bar gate valve



Model	GA-ZMFCF-16/25 GA-ZMUF-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 P25
Applicable temperature	29℃~425℃
Applicable medium	Gas, Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel Disc: Alloy

Soft-seat gate valve with grey iron fire-fighting concealed rod



Model	GA-ZAFCBF-16
Specifications	DN50~DN300
Applicable pressure	PN16
Applicable temperature	0℃~80℃
Applicable medium	Water
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Gray cast iron EPDM

Soft-seat gate valve for grey iron fire extinguishing pole



Model	GA-ZMFCBF-16
Specifications	DN50~DN300
Applicable pressure	PN16
Applicable temperature	0℃~80℃
Applicable medium	Water
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Gray cast iron EPDM

Gray iron concealed bar gate valve



Model	GA-ZAFCF-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 PN25
Applicable temperature	29℃~425℃
Applicable medium	Gas, Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Alloy

Gray iron globe valve



Model	GL-JFCF-16/25
Specifications	DN50~DN350
Applicable pressure	PN16 P25
Applicable temperature	29℃~425℃
Applicable medium	Gas, Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray Iron Stem: stainless steel

Steel globe valve



Model	GL-JCF-16/25 GL-JUF-16/25
Specifications	DN50~DN350
Applicable pressure	PN16 P25
Applicable temperature	29℃~425℃
Applicable medium	Gas, Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel Stem: stainless steel

Gray iron check valve



Model	GH-ZFCF-16/25
Specifications	DN50~DN300
Applicable pressure	PN16 P25
Applicable temperature	0℃~100℃
Applicable medium	Water, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray Iron Disc: Glue-coated EPDM



Steel stop return valve



Model	GH-ZCF-16/25
	GH-ZUF-16/25
Specifications	DN50~DN300
Applicable pressure	PN16 P25
Applicable temperature	0℃~120℃
Applicable medium	Water, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel
	Disc: Glue-coated EPDM

Gray iron lift check valve



Model	CH-ZSFCF-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 PN25
Applicable temperature	-10℃~100℃
Applicable medium	Water, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray cast iron
	Disc: Bronze, Cast Iron, Stainless Steel, NBR

Steel lift check valve



Model	CH-ZSCF-16/25
	CH-ZSUF-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 P25
Applicable temperature	-10℃~120℃
Applicable medium	Water, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel
	Disc: Bronze, Cast Iron, Stainless Steel, NBR

Steel flanged ball valve



Model	BA-(W)-QCF-16/25
	BA-(W)-QUF-16/25
Specifications	DN15~DN250
Applicable pressure	PN16 P25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Gas, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel
	Valve ball: stainless steel

Welded steel ball valve



Model	BA-(W)-HQC-16/25
	BA-(W)-HQU-16/25
Specifications	DN15~DN600
Applicable pressure	PN16 P25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Gas, Oil, Non-corrosive Medium
Connection mode	welding
Texture of material	Ontology: Carbon steel and stainless steel
	Valve ball: stainless steel

Gray iron filter



Model	FI-GFCF-16/25
Specifications	DN40~DN600
Applicable pressure	PN16 PN25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray cast iron
	Filter screen: stainless steel

Gray iron pair clamp check valve



Model	CH-ZDFC-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 PN25
Applicable temperature	-10℃~120℃
Applicable medium	Water, Non-corrosive Medium
Connection mode	Pair clip
Texture of material	Ontology: Gray cast iron
	Valve Plate: Gray Iron, Stainless Steel, CF8

Steel pair clamp check valve



Model	CH-ZDC-16/25
	CH-ZDU-16/25
Specifications	DN50~DN600
Applicable pressure	PN16 P25
Applicable temperature	-10℃~120℃
Applicable medium	Water, Non-corrosive Medium
Connection mode	Pair clip
Texture of material	Ontology: Carbon steel and stainless steel
	Valve Plate: Gray Iron, Stainless Steel, CF8

Grey iron flanged ball valve



Model	BA-QFCF-16/25
Specifications	DN15~DN250
Applicable pressure	PN16 PN25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Gas, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Gray cast iron
	Valve ball: stainless steel

Steel filter



Model	BA-(W)-QCF-16/25
	BA-(W)-QUF-16/25
Specifications	DN15~DN250
Applicable pressure	PN16 P25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Gas, Oil, Non-corrosive Medium
Connection mode	flange
Texture of material	Ontology: Carbon steel and stainless steel
	Valve ball: stainless steel

Grey iron flange butterfly valve



Model	BU-DFCBF-E-16/25
	BU-W-DFCBF-E-16/25
Specifications	DN15~DN200Handle operation
	DN15~DN600Turbine driven
Applicable pressure	PN16 P25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Oil, Non-corrosive Medium
Connection mode	Pair clip, flange
Texture of material	Ontology: Gray Iron
	Valve Plate: Gray Iron, Stainless Steel
	Sealing: EPDM NBR PTFE

Grey iron butterfly valve



Model	BU-DFC-E-16/25
	BU-W-DFC-E-16/25
Specifications	DN50~DN200Handle operation
	DN50~DN600Turbine driven
Applicable pressure	PN16 P25
Applicable temperature	-20℃~120℃
Applicable medium	Water, Oil, Non-corrosive Medium
Connection mode	Pair clip
Texture of material	Ontology: Gray Iron
	Valve Plate: Gray Iron, Stainless Steel
	Sealing: EPDM NBR PTFE



Grey Iron Turbine Flange Butterfly Valve



Model	FJ-GFCF-16/25		
Specifications	DN40~DN600		
Applicable pressure	PN16 PN25		
Applicable temperature	-20℃~120℃		
Applicable medium	Water, Oil, Non-corrosive Medium		
Connection mode	flange		
Texture of material	Ontology: Gray Iron		
	Valve Plate: Gray Iron, Stainless Steel		
	Sealing: EPDM NBR PTFE		

Steel turbine butterfly valve



Model	BU-W-D(CBF)-16/25		
Specifications	DN50~DN1000Turbine driven		
Applicable pressure	PN16 PN25		
Applicable temperature	-29℃~425℃		
Applicable medium	Water, Oil, Non-corrosive Medium		
Connection mode	Pair clip, flange		
Texture of material	Ontology: carbon steel WC9 CF3 CF3M CF8M		
	Valve Plate: 304 316		
	Sealing: 304 316 PTFE		

Electric switch type and adjustable butterfly valve



Model	BU-EDFC-E-16/25	Applicable pressure	PN16 PN25
Specifications	DN50~DN1200		
Applicable temperature	-20℃~120℃	Applicable medium	Water, Oil, Non-corrosive Medium
Connection mode	Pair clip	Travel limit	Two-way trip adjustable ±50
Protection level	IP678	Regulatory type	Input and Output Signals 4~20MA
Switch mode	Feedback with no-edge signal	Other	With handwheel, automatic removal of flashlight
Texture of material	Ontology: Gray Iron		
	Valve Plate: Gray Iron, Stainless Steel		
	Sealing: EPDM NBR PTFE		

Hydraulic-adjustable pressure relief valve



Model	PR-JFCBF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water		
Connection mode	flange		
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		
Voltage regulation range	0.07MPa~1.6MPa		

Water Conservancy-Slow Closing Check Valve



Model	SL-HFCBF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water		
Connection mode	flange		
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		

Water Conservancy-Flow Control Valve



Model	SL-HFCBF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water		
Connection mode	flange		
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		

Grey iron fire butterfly valve



Model	BU-DFC-E-16		
	BU-W-DFC-E-16		
Specifications	DN50~DN200Handle operation		
	DN50~DN300Turbine driven		
Applicable pressure	PN16	Applicable temperature	-20℃~120℃
Applicable medium	Water	Connection mode	Pair clip
Texture of material	Ontology: Gray Iron		
	Valve Plate: Gray Iron, Stainless Steel		
	Sealing: EPDM NBR PTFE		

Gray iron balance valve



Model	BAL-PFCBF-16/25		
Specifications	DN50~DN400		
Applicable pressure	PN16 P25		
Applicable temperature	-5℃~85℃		
Applicable medium	Water, Oil, Non-corrosive Medium		
Connection mode	flange		
Texture of material	Ontology: Gray Iron		

Water Conservancy-Remote Control Floating Ball Valve



Model	RE-YFCF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water		
Connection mode	flange		
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		

Hydraulic-relief pressure holding valve



Model	PR-XFCBF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water		
Connection mode	flange		
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		
Voltage regulation range	0.14MPa~1.7MPa		

Hydraulic-electric control valve



Model	EL-CFCBF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water	working condition	Normally open type,
Connection mode	flange		Normally closed type
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		
Voltage regulation range	24V,220V		

Hydraulic-Pump Control Valve



Model	WA-SFCBF-16/25		
Specifications	DN50~DN600		
Applicable pressure	PN16 P25		
Applicable temperature	0℃~80℃		
Applicable medium	Water		
Connection mode	flange		
Texture of material	Ontology: carbon steel		
	Pilot valve: Copper		



Hydraulic-differential bypass



Model	PR-YFCBF-16/25
Specifications	DN25~DN600
Applicable pressure	PN16 PN25
Applicable temperature	0℃~80℃
Applicable medium	Water
Connection mode	flange
Voltage regulation range	0.07MPa~0.4MPa
Texture of material	Ontology: Carbon steel
	Pilot valve: Copper

Water Conservancy-Backflow Preventer



Model	BAC-DFCBF-16/25
	BAC-DC(U)BF-16/25
Applicable pressure	PN16 P25
Applicable temperature	-20℃~80℃
Applicable medium	water
Connection mode	flange
Texture of material	Valve body: ball milled cast iron,
	carbon steel, stainless steel
	Antifouling Valve: Brass

Rubber soft connection



Model	SH-BCF-16/25
	SH-BUF-16/25
Specifications	DN25~DN600
Applicable pressure	PN16 P25
Applicable temperature	-20℃~80℃
Applicable medium	Air, water, sea water, oil, alkali
Connection mode	flange
Texture of material	Ontology: EPDM
	Flange: Carbon steel, stainless steel

Copper gate valve



Model	GA-ZH
	GA-ZQ
Specifications	DN15~DN50
Applicable pressure	PN16 P25
Applicable temperature	-20℃~180℃
Applicable medium	water
Connection mode	Wire bonding
Texture of material	Brass, bronze

Copper globe valve



Model	GL-JH
	GL-JQ
Specifications	DN15~DN50
Applicable pressure	PN16 P25
Applicable temperature	-20℃~130℃
Applicable medium	Water, oil, gas
Connection mode	Wire bonding
Texture of material	Brass, bronze

Copper stop return valve



Model	CH-ZH
	CH-ZQ
Specifications	DN15~DN50
Applicable pressure	PN16 P25
Applicable temperature	0℃~130℃
Applicable medium	Water, oil, gas
Connection mode	Wire bonding
Texture of material	Brass, bronze

Copper ball valve



Model	BA-QH
	BA-QQ
Specifications	DN15~DN50
Applicable pressure	PN16 P25
Applicable temperature	-20℃~130℃
Applicable medium	Water, oil, gas
Connection mode	Wire bonding
Texture of material	Brass, bronze

Copper filter



Model	FI-YH
	FI-YQ
Specifications	DN15~DN50
Applicable pressure	PN16 P25
Applicable temperature	-20℃~130℃
Applicable medium	Water, oil, gas
Connection mode	Wire bonding
Texture of material	Brass, bronze

Copper Balance Valve



Model	BAL-PH
Specifications	DN15~DN50
Applicable pressure	PN16 P25
Applicable temperature	-5℃~80℃
Applicable medium	Water, oil
Connection mode	Wire bonding
Texture of material	Brass

Copper exhaust valve



Model	AI-PH
Specifications	DN15~DN25
Applicable pressure	PN10
Applicable temperature	-5℃~80℃
Applicable medium	Water, oil
Connection mode	Wire bonding
Texture of material	Brass

Copper lock valve



Model	LO-SH
Specifications	DN15~DN50
Applicable pressure	PN16
Applicable temperature	-10℃~110℃
Applicable medium	Water, oil, gas
Connection mode	Wire bonding
Texture of material	Brass, bronze

Pneumatic actuator



Model	Dual action: AC DA
	Single action: AC SR
Gas pressure	2.5-8 BAR
Temperature range	-35℃~150℃
Cabinet material	Aluminium alloy
Other	Hand fittings, pneumatic accessories
Characteristic	Open life 1 million times
Stroke adjustment	There are ±50 adjustable ranges in 0-90℃ two positions.
Rotation angle	0-90℃ 0-300℃



Electric actuator



Model	EATM		
Supply voltage	12V/24V/220V/380V		
Protection level	IP67	Cabinet material	Aluminium alloy
Other	With handwheel, automatic switching of flashlight		
Characteristic	S4 Intermittent Work System 1200 Hours		
Travel limit	Two-way trip adjustable ±5o		
Rotation angle	0-90 °C 0-300 °C		

Control Valve-Electric Two-way Valve



Model	EAS-QH		
Specifications	DN15~DN32		
Applicable pressure	PN16	Applicable temperature	0 °C ~90 °C
Applicable medium	Cold water, hot water	Connection mode	Wire bonding
Action time	15S(open~shut)	Other	With manual switch
Supply voltage	220V,AC±10%,50/60HZ		
Texture of material	Body: Copper		

Control Valve-Electric Regulating Valve



Model	CO-EK		
Specifications	DN15~DN80		
Applicable pressure	PN16 PN25	Applicable temperature	0 °C ~180 °C
Applicable medium	Cold water, hot water, Low pressure steam	Connection mode	Wire bonding
Supply voltage	24V/220V	Protection level	IP67
Texture of material	Body: Brass		
	Filler: polytetrafluoroethylene NBR		

Control Valve-Balanced Electric Two-way Valve



Static Balanced Electric Two-way Valve      Dynamic Balanced Electric Two-way Valve

Model	CO-EDPJ(D)		
Specifications	DN15~DN25		
Applicable pressure	PN16	Applicable temperature	0 °C ~60 °C
Applicable medium	Cold water, hot water	Connection mode	Wire bonding
Supply voltage	24V/110V/220V	Protection level	IP54
Texture of material	Body: Brass		
	Sealing: Fluororubber		

Control Valve-Electric Temperature Control Valve



Model	EAS-WH		
Specifications	DN20~DN25		
Applicable pressure	PN16 PN25	Applicable temperature	-5 °C ~60 °C
Applicable medium	Cold water, hot water	Connection mode	Wire bonding
Supply voltage	24V/220V	Maximum power	IP54
State	Often open, often closed		
Texture of material	Body: Brass		

Control Valve-Electric Regulating Valve



Model	CO-EKF		
Specifications	DN80~DN200		
Applicable pressure	PN16 PN25	Applicable temperature	-10 °C ~180 °C
Applicable medium	Cold water, hot water, Low pressure steam	Connection mode	flange
Supply voltage	AC24V±10%	Maximum power	18VA
Texture of material	Valve body: ductile iron, cast steel		
	Valve disc: cast brass		

Control Valve-Direct Travel Dynamic Electric Regulating Valve



Model	CO-ZEDF		
Specifications	DN25~DN250		
Applicable pressure	PN16	Applicable temperature	-5 °C ~85 °C
Applicable medium	Cold water, hot water	Connection mode	flange
Supply voltage	AC24V DC0~10V or 4~20mA	Protection level	IP54
Texture of material	Valve body: ductile iron		
	Filler: polytetrafluoroethylene NBR		

Control Valve-Angular Travel Dynamic Electric Regulating Valve



Model	CO-JEDPE		
Specifications	DN40~DN300		
Applicable pressure	PN16 PN25	Applicable temperature	0 °C ~90 °C
Applicable medium	Cold water, hot water	Connection mode	flange
Supply voltage	12V/24V/220V/380V	Protection level	IP67
Texture of material	Valve body: ductile iron		
	Filler: polytetrafluoroethylene NBR		