Vacuum Valve

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47
Россия (495)268-04-70
Казахстан (772)734-952-31

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Catalog

1. Order Information.....1
2. KF Series High Vacuum Straight Angle Valves Features.....2
3. KF Series High Vacuum Straight Angle Valves Product Description...2
4. KF Series High Vacuum Charging ValvesFeatures.....2
5. KF Series High Vacuum Charging Valves Product Description.....2
6. High Vacuum Angle Valves Product Description.....3
7. High Vacuum Angle Valves Features.....3
8. High Vacuum Angle Valves Technical Parameters.....4
9. Manual Driven Angle Valve External Size.....5
10. Pneumatic Driven Angle Valve External Size 6
11. Electromagnetic Driven Angle Valve External Size 8
12. High Vacuum Angle Valves Connection Flanges Size.....9
13. CF Series Ultra-high Vacuum Angle Valves Product Description.....10
14. CF Series Ultra-high Vacuum Angle Valves Features.....10
15. CF Series Ultra-high Vacuum Angle Valves Technical Parameters...10
16. Manual Driven Angle Valve External Size.....11
17. Pneumatic Driven Angle Valve External Size.....11
18. Ultra-high Vacuum Gate Valves Product Description.....12
19. Ultra-high Vacuum Gate ValvesTechnical Parameters.....13
20. Ultra-high Vacuum Gate Valves External Size.....14
21. Ultra-high Vacuum Gate Valves Connection Flanges Size.....17

Order Information

How to select the valves

1. Please check the catalogue details for selecting a right valve.

2. View the technical parameters to make sure if the products are suitable. Such as cycles times, speed of opening/closing, temperature range, installation requirements.

3.The order number of the valve is determined by the valve body material, the driving method, the flange type, the sealing type and the nominal diameter

4. Pls note the specified voltage to the order number for pneumatic valves and electric valves
5. If need any other spare parts or other special requirements, please add the information to the order form (X) or remark it.

Model Number Representation

Example	EVGDQ-J16B(KF)S	
EV	East Vacuum 系列	
G	Vacuum range	C: Ultra High Vacuum G: High Vacuum D: Medium & Low Vacuum
D	Valve type	D: Block valve C: Gate valve F: Tipping valve
Q	Driven method	Q: Pneumatic drive D: Electric drive C: Electromagnetic drive No: Manual drive
J	Channel form	J: Right angle S: Three-way No: Straight
16	Nominal diameter(mm)	10 16 25 40（35）50 63 80 100 160（150） 200 250 320 400 500 630 800 1000 1250
B	Sealing type	B: Metal Bellow No: Viton/Fluorous rubber
(KF)	Flange type	KF CF ISO-K GB-LP ISO-F
S	Valve body material	S: Stainless Steel A: Aluminum
EVGDQ-J16B(KF)S means: East Vacuum series high vacuum pneumatic block valve, right angle valve channel, nominal diameter 16mm, bellows sealed, flange type KF, valve body material stainless steel.		

KF Series High Vacuum Straight Angle Valves

Features

Standard modular design, easy to replace and repair

Easy to clean and design;small size

Engery saving design for Electromagnetic valves

Product Description

This series of valves is divided into manual, pneumatic and electromagnetic driven types. Features with smooth operation, small size, reliable use, good sealing performance and long service life. It is one of the preferred valves for vacuum equipment.

The valve respectively rotates the handle, the compressed gas pushes the cylinder and the coil energizes to generate electromagnetic force, and the power is connected to the valve plate through the mechanism, and drives the valve plate to open and close.

Applicable medium can be pure air and non-corrosive gas.

KF Series High Vacuum Charging Valves

Features

Simple structure, easy to replace and repair

Easy to clean and design

Product Description

This series of valves are divided into manual and electromagnetic driving modes. They are used for aeration in high vacuum pipelines. They are small in size, reliable in use, good in sealing performance and long in life. They are one of the preferred valves for vacuum equipment.

The valve is powered by hand or electromagnetic drive, which drives the spool to move and close the valve. Its working medium is air and non-corrosive gases.

ANGLE VALVES SERIES

1. High Vacuum Angle Valves

Product Description

This series of valves is divided into manual, pneumatic and electromagnetic driven types. Features with smooth operation, small size, reliable use, good sealing performance and long service life. It is one of the preferred valves for vacuum equipment. The valve respectively rotates the handle, the compressed gas pushes the cylinder and the coil energizes to generate electromagnetic force, and the power is connected to the valve plate through the mechanism, and drives the valve plate to open and close. Applicable medium can be pure air and non-corrosive gas.

Features:

1. Easy to change and maintain.
2. The valve body is welded inside stainless steel with low leakage rate
3. The valve body adopts a rib structure, small size, light weight and excellent appearance.

Technical Parameters

Application scope	1x10^(-5)Pa~1.2x10^(5)Pa(Viton o-ring sealed) 1x10^(-6)Pa~1.2x10^(5)Pa(Bellow seal)
Differential pressure on the gate	DN 200~250(Pneumatic Type):≤3x10^(4)pa The other types:≤1.0x10^(5)Pa Any direction
Body and seat leak rate	1.3x10^(-7)Pa.L.S^(-1)
Cycles until first service	200,000 times
Bake-out temperature	≤150℃
Installation psition	Manual drive: any direction Pneumatic drive: any direction (DN ≤ 160); Sealed surface direct to the vacuum Electromagnetic drive:any direction (bellow sealing); Sealed surface direct to the vacuum(Viton O-ring sealed)
Compressed air (only supply to pneumatic valves)	0.4-0.7MPa
Power Supply	Pneumatic valves: AC 220V 50HZ, 6W or DC 24V, 3W(can be customized) Electromagnetic drive: AC 220V 50HZ
Speed of opening or closing:	Pneumatic drive:DN16~DN50≤1s;DN63~DN250≤3s Electromagnetic drive: open≤0.1s;close≤1s(viton sealing) close≤0.5s(bellow sealing)
Valve position indication:	Manual drive: with open&close position indication Pneumatic drive: with open&close position indicator switch(magnetic switch) Electric drive: with turn-on indicator

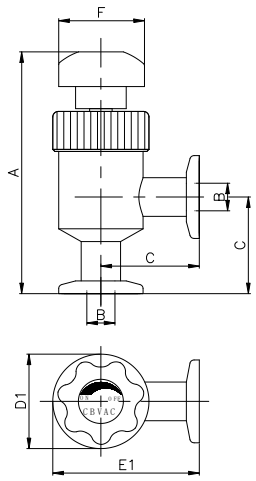
Optional Accessories

Pneumatic DN 16~50: open and close position indicating switch (magnetic switch), Model D-A73;

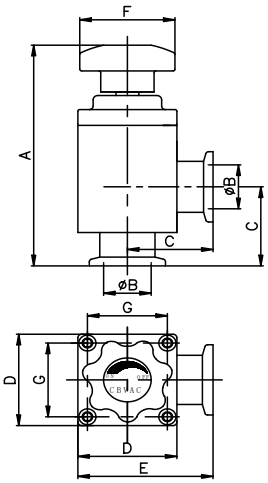
Pneumatic DN 63~250:ISO flange; two-position five-way electromagnetic reversing valve, Model 4V210-06.

Manual Driven Angle Valve External Size

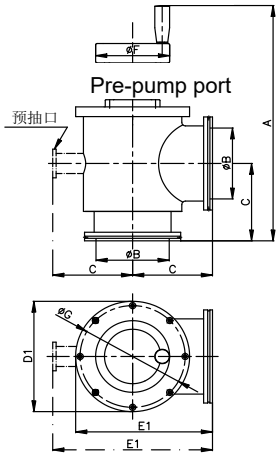
DN6-10



DN16-50



DN63-250
Manual Driven



Manual Driven Type

External Dimenstions (mm)

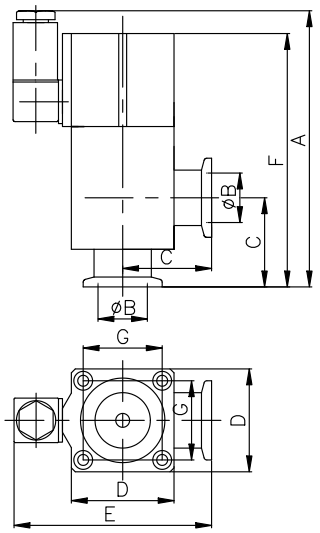
EV Part Number	DN	External Dimensions（mm）									
		A	B	C	D	D1	E	E1	F	G	Pre-pump Port
EVGD-J6B(KF)S	6	90.4	6	35	—	36	53.5	53	32	—	—
EVGD-J8B(KF)S	8	90.4	8	35	—	36	—	53	32	—	—
EVGD-J10B(KF)S	10	90.4	10	35	—	36	—	53	32	—	—
EVGD-J16B(KF)S EVGD-J16B(KF)A	16	102	16	40	46	—	63	—	40	35	—
EVGD-J25B(KF)S EVGD-J25B(KF)A	25	119.4	25	50	54	—	77	—	45	43	—
EVGD-J40B(KF)S EVGD-J40B(KF)A	40	150.5	40	65	64	—	97	—	63	53	—
EVGD-J50B(KF)S EVGD-J50B(KF)A	50	170.5	50	70	78	—	109	—	63	66	—

Remark: From above table D1 and E1 are for Dimensions of Stainless steel valve body, D and E are for Dimensions of Aluminum valve body.

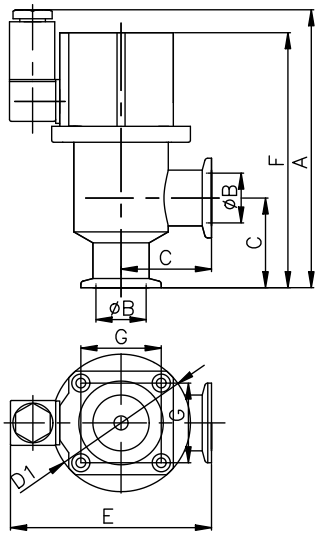
From the EV Part Number, B means bellow sealed, S means stainless steel valve body, A means Aluminium valve body.

Pneumatic Driven Angle Valve External Size

DN16-50 Size

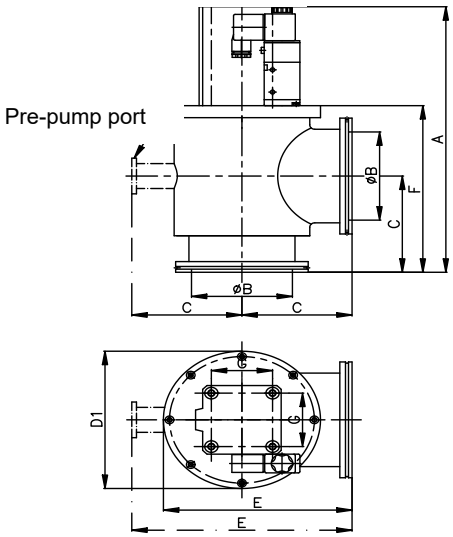


DN16-50 Size



DN63-250 Size

Pre-pump port



		A	B	C	D	D1	E	F	G	Pre-pump Port
EVGDQ-J16B(KF)S EVGDQ-J16B(KF)A EVGDQ-J16(KF)S EVGDQ-J16(KF)A	16	110	16	40	46	—	86	113.5	43	—
EVGDQ-J25B(KF)S EVGDQ-J25B(KF)A EVGDQ-J25(KF)S EVGDQ-J25(KF)A	25	115	25	50	54	—	96	119	43	—
EVGDQ-J40B(KF)S EVGDQ-J40B(KF)A EVGDQ-J40(KF)S EVGDQ-J40(KF)A	40	137	40	65	64	—	116	159	53	—
EVGDQ-J50B(KF)S EVGDQ-J50B(KF)A EVGDQ-J50(KF)S EVGDQ-J50(KF)A	50	152	50	70	78	—	128	178.4	66	—
EVGDQ-J63B(ISO-K)S EVGDQ-J63B(GB-LP)S EVGDQ-J63(ISO-K)S EVGDQ-J63(GB-LP)S	63	254	63	88	—	108	142	154	40	—
EVGDQ-J80B(ISO-K)S EVGDQ-J80B(GB-LP)S EVGDQ-J80(ISO-K)S EVGDQ-J80(GB-LP)S	80	268.5	80	98	—	133	164.5	168.5	50	—
EVGDQ-J100B(ISO-K)S EVGDQ-J100B(GB-LP)S EVGDQ-J100(ISO-K)S EVGDQ-J100(GB-LP)S	100	306	100	108	—	137	176.5	190	60	—
EVGDQ-S160B(ISO-K)S EVGDQ-S160B(GB-LP)S EVGDQ-S160(ISO-K)S EVGDQ-S160(GB-LP)S	160	406	153	138	—	208	276	253.5	94	KF40
EVGDQ-S200B(ISO-K)S EVGDQ-S200B(GB-LP)S EVGDQ-S200(ISO-K)S EVGDQ-S200(GB-LP)S	200	503	200	178	—	258	356	320	94	KF50
EVGDQ-S250B(ISO-K)S EVGDQ-S250B(GB-LP)S EVGDQ-S250(ISO-K)S EVGDQ-S250(GB-LP)S	250	608	250	208	—	310	416	395	94	ISO-K63

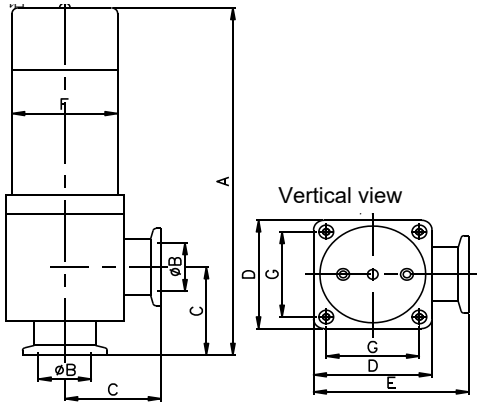
Remark:

D1 is for Dimensions of Stainless steel valve body, D is for Dimensions of Aluminum valve body.

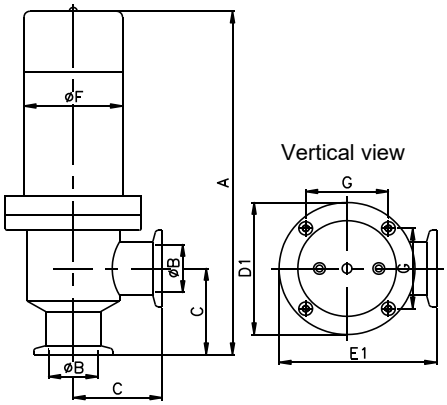
From the EV Part Number, B means bellow sealed, S means stainless steel valve body, A means Aluminium valve body. If no B showed from the Part Number, it means the valve is O-ring Sealed.

Electromagnetic Driven Angle Valve External Size

DN16-50 Size



DN16-50 Size



Electromagnetic Driven Type

External Dimenstions (mm)

EV Part Number	DN	External Dimensions（mm）								
		A	B	C	D	D1	E	E1	F	G
EVGDC-J16(KF)S EVGDC-J16(KF)A	16	168.5	16	40	46	46	63	63	46	35
EVGDC-J16B(KF)S EVGDC-J16B(KF)A	16	168.5	16	40	46	46	63	63	46	35
EVGDC-J25(KF)S EVGDC-J25(KF)A	25	183	25	50	54	54	77	77	53	43
EVGDC-J25B(KF)S EVGDC-J25B(KF)A	25	183	25	50	54	54	77	77	53	43
EVGDC-J40(KF)S EVGDC-J40(KF)A	40	220.5	40	65	76	76	103	103	78	53
EVGDC-J40B(KF)S EVGDC-J40B(KF)A	40	220.5	40	65	76	76	103	103	78	53
EVGDC-J50(KF)S EVGDC-J50(KF)A	50	251.5	50	70	78	78	109	109	78	66
EVGDC-J50B(KF)S EVGDC-J50B(KF)A	50	251.5	50	70	78	78	109	109	78	66

Remark:

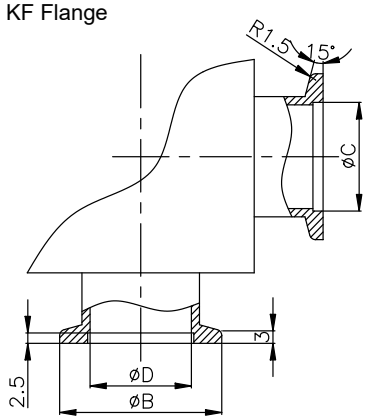
D1 and E1 are for Dimensions of Stainless steel valve body, D and E are for Dimensions of Aluminum valve bodv.

From the EV Part Number, B means bellow sealed, S means stainless steel valve body, A means Aluminium valve body.

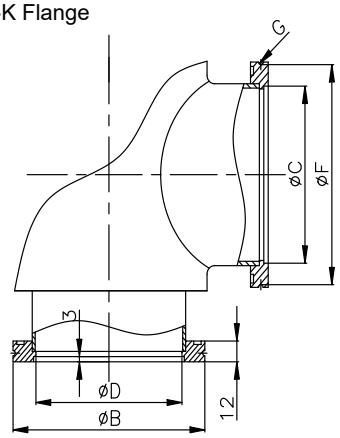
If no B showed from the Part Number, it means the valve is O-ring Sealed.

High Vacuum Angle Valves Connection Flanges Size

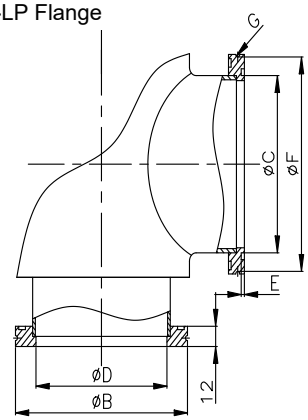
KF Flange



ISO-K Flange



GB-LP Flange



	KF flange			
DN	16	25	40	50
B	30	40	55	75
C	17.2	26.2	41.2	52.2
D	16	25	40	48

	ISO-K flange					
DN	63	80	100	160	200	250
B	95	110	130	180	240	290
C	70	83.2	102.2	154	213.2	261.2
D	66	80	99	153.2	200	250
E	3	3	3	3	3	4.5
F	92	107	127	175	235	285
G	1.5	1.5	1.5	2.5	2.5	2.5

	GB-LP flange					
DN	63	80	100	160	200	250
B	95	110	130	180	240	290
C	68	85	105	165	208	258
D	65	80	100	154	200	250
E	2.4	2.4	2.4	2.4	3.6	3.6
F	92	107	127	175	235	285
G	1.5	1.5	1.5	2.5	2.5	2.5

Optional Parts:
Pneumatic Valve DN 16~50: Magnet switch.
Pneumatic Valve DN 63~250: ISO Rotatable Flange, solenoid directional valve.

2. CF Series Ultra-high Vacuum Angle Valves

Product Description

This series of valves is suitable for interrupting pipelines in ultra-high vacuum systems. It is available in both manual and pneumatic modes. Features with stable operation, reliable use, good sealing performance and long service life. Ideal for ultra-high vacuum equipment.
The manual valve is powered by the manual rotation of the rotating handle. The valve plate is opened and closed by screwing. The opening and closing direction is based on the marking on the handle; the pneumatic valve is powered by compressed air to open or close the valve plate, and loses gas. At the source, the valve plate will automatically close by the spring force. The working medium of the valve is air and a few corrosive gases.

Features:

1. Standardized, modular design, easy to replace and maintain
2. Easy to clean design
3. The shaft seal is a bellows seal, and the other seals are fluororubber, no lubricant.
4. Stainless steel inside welded the valve body, low leakage rate

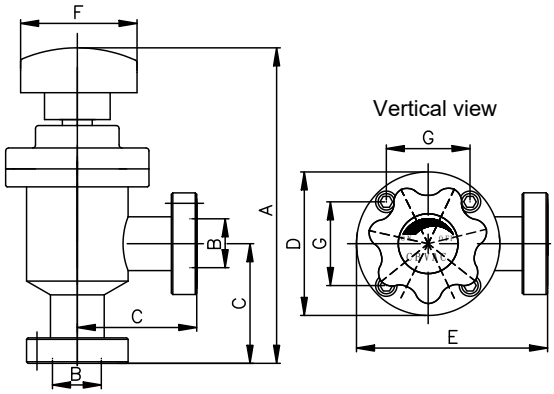
Technical Parameters

Application scope	1x10^(-6)Pa~1.2x10^(5)Pa(Bellow seal)
Differential pressure on the gate	≤1.2x10^(5)Pa Any direction
Body and seat leak rate	1.3x10^(-7)Pa.L.S^(-1)
Cycles until first service	800,000 times
Bake-out temperature	open≤200℃; close≤150℃
Installation psition	any direction
Compressed air (only supply to pneumatic valves)	0.4-0.7MPa
Power Supply	Pneumatic valves: AC 220V 50HZ, 6W or DC 24V, 3W(can be customized)
Speed of opening or closing:	Pneumatic drive ≤1s
Valve position indication:	Manual drive: with opening and closing position indication Pneumatic drive: with opening and closing position indicator switch

Optional Accessory

Pneumatic valve opening and closing position indicating switch (magnetic switch), Model D-A73

Manual Driven Angle Valve External Size

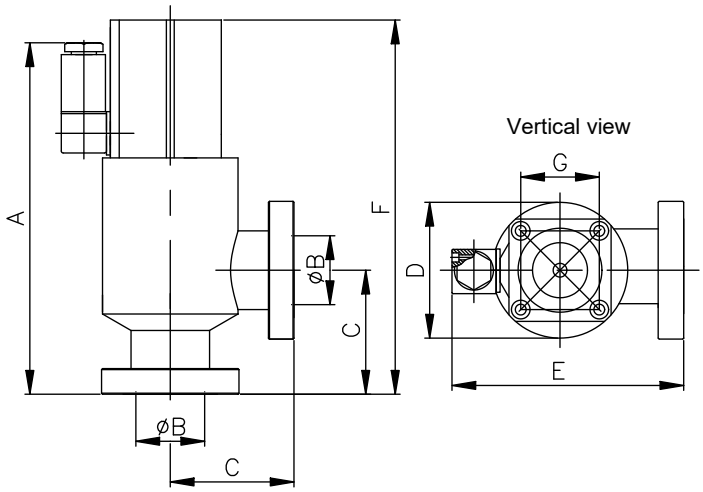


Manual Driven Type

External Dimenstions (mm)

EV Part Number	DN	External Dimensions（mm）							
		flange	A	B	C	D	E	F	G
EVCD-J16B(CF)S	16	CF16	102	16	40	46	63	40	35
EVCD-J25B(CF)S	25	CF25	125	25	55	54	82	50	43
EVCD-J40B(CF)S	40	CF35	148.5	35	63	64	95	53	53
EVCD-J50B(CF)S	50	CF50	170.5	50	80	78	123	63	66

Pneumatic Driven Angle Valve External Size



Pneumatic Driven Type

External Dimenstions (mm)

EV Part Number	DN	External Dimensions（mm）							
		flange	A	B	C	D	E	F	G
EVCDQ-J16B(CF)S	16	CF16	110.5	16	40	54	86	110.5	35
EVCDQ-J25B(CF)S	25	CF25	124	25	55	54	101	124	43
EVCDQ-J40B(CF)S	40	CF35	157	35	63	64	114	157	53
EVCDQ-J50B(CF)S	50	CF50	161.5	50	80	92	138	188.4	86

CF flange are subject to GB/T 6071-2003

Ultra-high Vacuum Gate Valves

Product Description

This series of valves is divided into manual, pneumatic and electric drive modes.
Featured with smooth operation, small size, reliable application, good sealing performance and long service life. It can be widely used in high vacuum equipment.
The valve is powered by a manual rotating handle, a compressed gas pushing cylinder and a motor driving torque. The driving rod pushes (pulls) the moving link mechanism, and the driving body moves along the axial direction, and the driving body passes through the swing rod or the rigid ball and the valve plate.
Connect to complete the valve plate opening and closing action. The medium of the valve is air and non-corrosive gas.

Features:

1.Two sealing options: bellow sealing and viton sealing.

2. The valve body is welded inside stainless steel with low leakage rate

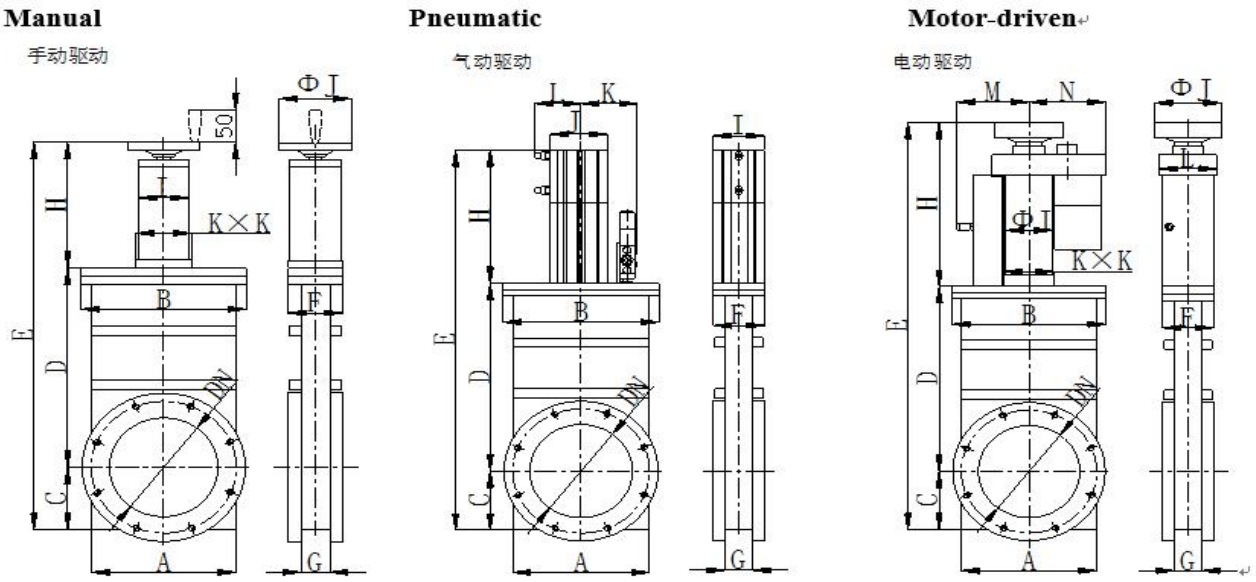
3. The valve body adopts a rib structure, small size, light weight and excellent appearance.

4. Adopt double-guide-rail structure, smooth movement, monolithic construction inside the valve and well-distributed holding power.

Technical Parameters

Application scope	1x10^(-5)Pa~1.2x10^(5)Pa(Viton o-ring sealed) 1x10^(-6)Pa~1.2x10^(5)Pa(Bellow seal)
Differential pressure on the gate	≤3x10^(3)Pa any directions
Body and seat leak rate	1.3x10^(-7)Pa.L.S^(-1)
Cycles until first service	100,000 times
Bake-out temperature	open≤250℃; close≤150℃
Installation position	Any directions
Compressed air (only supply to pneumatic valves)	DN63~200: 0.4-0.7MPa;DN250~400: 0.5~0.7MPa
Power Supply	Pneumatic valves: AC 220V 50HZ, 6W or DC 24V, 3W(can be customized) DN63~250 for AC 220V 50HZ, 25WOr AC 380V 50HZ, 25W DN320~400 is AC 220V 50HZ, 40W Or AC 380V 50HZ, 40W
Speed of opening or closing:	Pneumatic drive:DN63~DN250≤6s; DN320~DN400≤10s Electric drive:DN63~DN250≤50s; DN320~DN400≤60s
Valve position indication:	Manual drive: with start & stop position indicator switch (mechanical) Pneumatic drive: with start & stop position indicator switch (magnetic switch) Electric drive: with start & stop position indicator switch (micro switch)

Gate Valves External Size



Manual Driven Type

External Dimenstions (mm)

EV Part Number	DN	External Dimenstions (mm)											
		A	B		C	D	E	F	G	H	I	J	K
EVCC-63B(CF) EVCC-63B(ISO-K) EVCC-63B(GB-LP) EVCC-63B(ISO-F)	63	110	130		52	173	378	64	34	153	56	100	64
EVCC-80B(CF) EVCC-80B(ISO-K) EVCC-80B(GB-LP) EVCC-80B(ISO-F)	80	130	140		57	228	462	75	36	177	69	100	75
EVCC-100B(CF) EVCC-100B(ISO-K) EVCC-100B(GB-LP) EVCC-100B(ISO-F)	100	144	170		68	241	500	74	40	191	70	100	75
EVCC-160B(CF) EVCC-160B(ISO-K) EVCC-160B(GB-LP) EVCC-160B(ISO-F)	160	201	226		95.5	328	653	76	45	229	69	100	75
EVCC-200B(CF) EVCC-200B(ISO-K) EVCC-200B(GB-LP) EVCC-200B(ISO-F)	200	258	276		120	415	764	76	47	229	69	100	76
EVCC-250B(CF) EVCC-250B(ISO-K) EVCC-250B(GB-LP) EVCC-250B(ISO-F)	250	310	334		146	500	958	87	54.5	312	70	125	86
EVCC-320B(CF) EVCC-320B(ISO-K) EVCC-320B(GB-LP) EVCC-320B(ISO-F)	320	425	449		213	670	1192	138	78	310	75	125	118
EVCC-400B(CF) EVCC-400B(ISO-K) EVCC-400B(GB-LP) EVCC-400B(ISO-F)	400	—	—	—	—	—	—	—	—	—	—	—	—

Pneumatic Driven Type

External Dimenstions (mm)

EV Part Number	DN	External Dimenstions (mm)												
		A	B		C	D	E	F	G	H	I	J	K	L
EVCCQ-63B(CF) EVCCQ-63B(ISO-K) EVCCQ-63B(GB-LP) EVCCQ-63B(ISO-F)	63	110	130		52	173	366	64	34	141	64	72	76.5	40
EVCCQ-80B(CF) EVCCQ-80B(ISO-K) EVCCQ-80B(GB-LP) EVCCQ-80B(ISO-F)	80	130	140		57	228	447	75	36	162	77	84	88.5	38.5
EVCCQ-100B(CF) EVCCQ-100B(ISO-K) EVCCQ-100B(GB-LP) EVCCQ-100B(ISO-F)	100	144	170		68	241	615	74	40	306	97	75	86	46
EVCCQ-160B(CF) EVCCQ-160B(ISO-K) EVCCQ-160B(GB-LP) EVCCQ-160B(ISO-F)	160	201	226		95.5	328	772	76	45	348	97	75	86	46
EVCCQ-200B(CF) EVCCQ-200B(ISO-K) EVCCQ-200B(GB-LP) EVCCQ-200B(ISO-F)	200	258	276		120	415	898	76	47	363	117	95	86	54
EVCCQ-250B(CF) EVCCQ-250B(ISO-K) EVCCQ-250B(GB-LP) EVCCQ-250B(ISO-F)	250	310	334		146	500	1064	87	54.5	418	143	117	96	69.5
EVCCQ-320B(CF) EVCCQ-320B(ISO-K) EVCCQ-320B(GB-LP) EVCCQ-320B(ISO-F)	320	425	449		213	670	1329	138	78	447	141	115	86	64
EVCCQ-400B(CF) EVCCQ-400B(ISO-K) EVCCQ-400B(GB-LP) EVCCQ-400B(ISO-F)	400	512	536		256	810	1624	138	78	558	162	140	86	79

Motor Driven Type

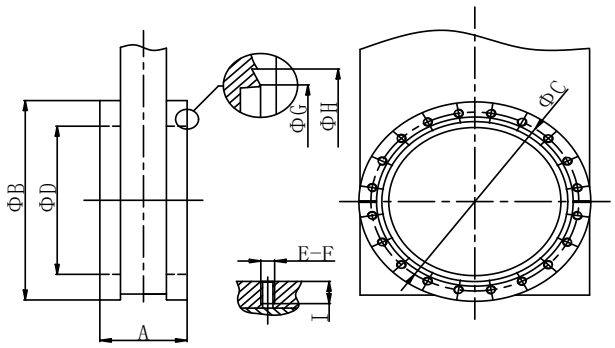
External Dimenstions (mm)

EV Part Number	DN	External Dimenstions (mm)														
		A	B		C	D	E	F	G	H	I	J	K	L	M	N
EVCCD-100B(CF) EVCCD-100B(ISO-K) EVCCD-100B(GB-LP) EVCCD-100B(ISO-F)	100	144	170		68	241	552	74	40	243	69	100	75	86	101	106
EVCCD-160B(CF) EVCCD-160B(ISO-K) EVCCD-160B(GB-LP) EVCCD-160B(ISO-F)	160	201	226		95.5	328	706	76	45	282	69	100	76	92	101	121
EVCCD-200B(CF) EVCCD-200B(ISO-K) EVCCD-200B(GB-LP) EVCCD-200B(ISO-F)	200	258	276		120	415	817	76	47	282	69	100	76	92	101	121
EVCCD-250B(CF) EVCCD-250B(ISO-K) EVCCD-250B(GB-LP) EVCCD-250B(ISO-F)	250	310	334		146	500	956	87	54.5	310	70	100	86	92	106	121
EVCCD-320B(CF) EVCCD-320B(ISO-K) EVCCD-320B(GB-LP) EVCCD-320B(ISO-F)	320	425	449		213	670	1218	138	78	336	80	110	118	108	105	140
EVCCD-400B(CF) EVCCD-400B(ISO-K) EVCCD-400B(GB-LP) EVCCD-400B(ISO-F)	400	512	536		256	810	1475	138	78	409	80	110	117	118	108	140

Gate Valves Connection Flanges Size

CF Flange Size (mm)

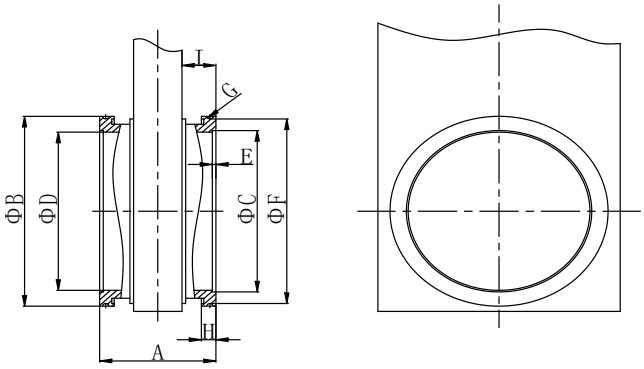
CF flange DN63-400



DN	63	80	100	160	200	250	320	400
A	64	72	71	81	85	97.5	130	147
B	114	130	152	202	253	305	425	512
C	92.2	110	130	181	232	284	338	438
D	63	80	100	150	200	250	300	400
E	8	16	16	20	24	32	32	40
F	M8	M8	M8	M8	M8	M8	M10	M10
G	77	93	115	166	217	267	320	419
H	82.4	99	121	171	222	273	326	424
I	12	12	12	12	15	15	18	18

ISO-K Flange Size (mm)

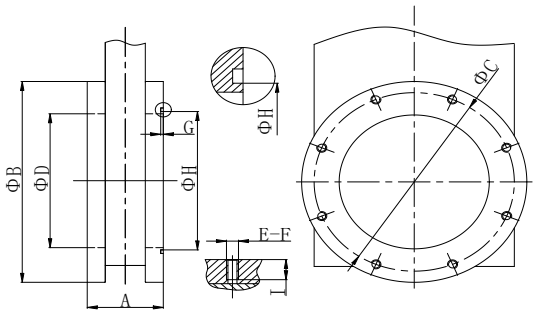
ISO-K flange DN63-400



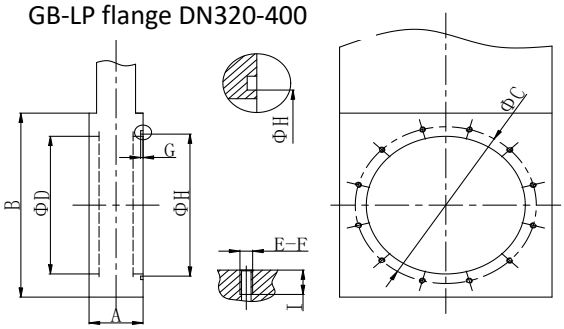
DN	63	80	100	160	200	250	320	400
A	88	90	100	105	107	115	164	164
B	95	110	130	180	240	290	370	450
C	70.2	83.2	102	153	213	261	318	400
D	63	80	100	150	200	250	318	400
E	3	3	3	3	2.5	2.5	4.5	4.5
F	92	107	127	175	235	285	365	442
G	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4
H	12	12	12	12	12	12	17	17
I	27	27	30	30	32	32	43	43

GB-LP Flange Size (mm) GB-LP

GB-LP flange DN63-250



GB-LP flange DN320-400



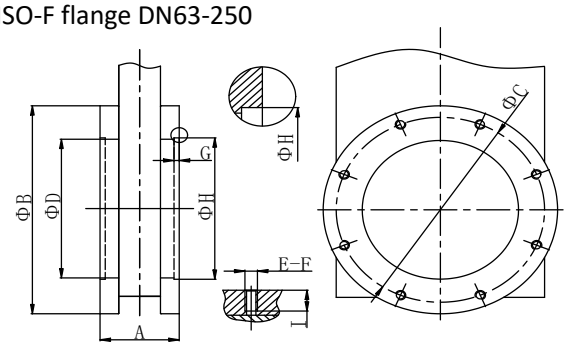
DN	63	80	100	160	200	250	320	400
A	58	59	59	72	74	90.5	108	112
B	130	145	165	225	285	335	425	512
C	110	125	145	200	260	310	395	480
D	63	80	100	150	200	250	318	400
E	4	8	8	8	12	12	12	16
F	M8	M8	M8	M10	M10	M10	M12	M12
G	2.6	2.4	2.6	2.6	3.6	3.6	4.8	4.8
H	68	83.2	102	153	213	268	318	400
I	10	10	10	13	13	16	15	16
I.D.	67	85	106	165	218	268	325	406
d	3.55	3.55	3.55	3.55	5.3	5.3	7	7

Note: I.D. and d are the inner diameter and wire diameter of the “O” rubber seal ring respectively, which are optional accessories;

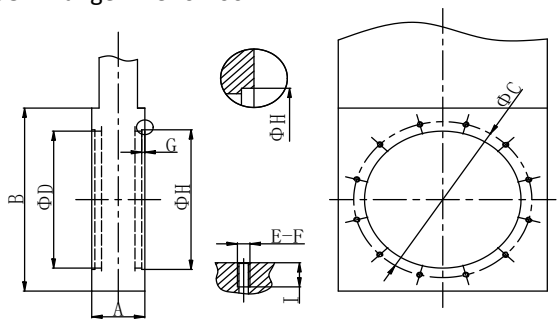
The GB-LP flange valve sealing surface face to the flat flange surface.

ISO-F Flange Size (mm)

ISO-F flange DN63-250



ISO-F flange DN320-400



DN	63	80	100	160	200	250	320	400
A	58	60	64	77	79	90.5	108	112
B	130	145	165	225	285	335	425	512
C	110	125	145	200	260	310	395	480
D	63	80	100	150	200	250	318	400
E	4	8	8	8	12	12	12	16
F	M8	M8	M8	M10	M10	M10	M12	M12
G	3	3	3	3	3	3	4.5	4.5
H	70.2	83.2	102	153	213	261	318	400
I	10	10	10	13	13	15	15	16
O-ring[1] I.D.×d	67×3.55	85×3.55	106×3.55	155×3.55	206×5.3	258×5.3	325×7	406×7

Remark 1: Viton O-rings are Optional parts.