Газовые клапаны GQC, DYC, GYC, DDC
Технические характеристики

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GQC Series Electro-magnetic Vacuum Gas Valve

Description: GQC-1.5, GQC-5 type electro-magnetic high-vacuum gas valve takes electro-magnetic force as the dynamics. When it switches in power supply, the valve shuts to separate vacuum system from atmosphere.

GQC-1.5, GQC-5 type electro-magnetic high-vacuum gas valve takes electro-magnetic force as the dynamics. When it switches in power supply, the valve shuts to separate vacuum system from atmosphere.

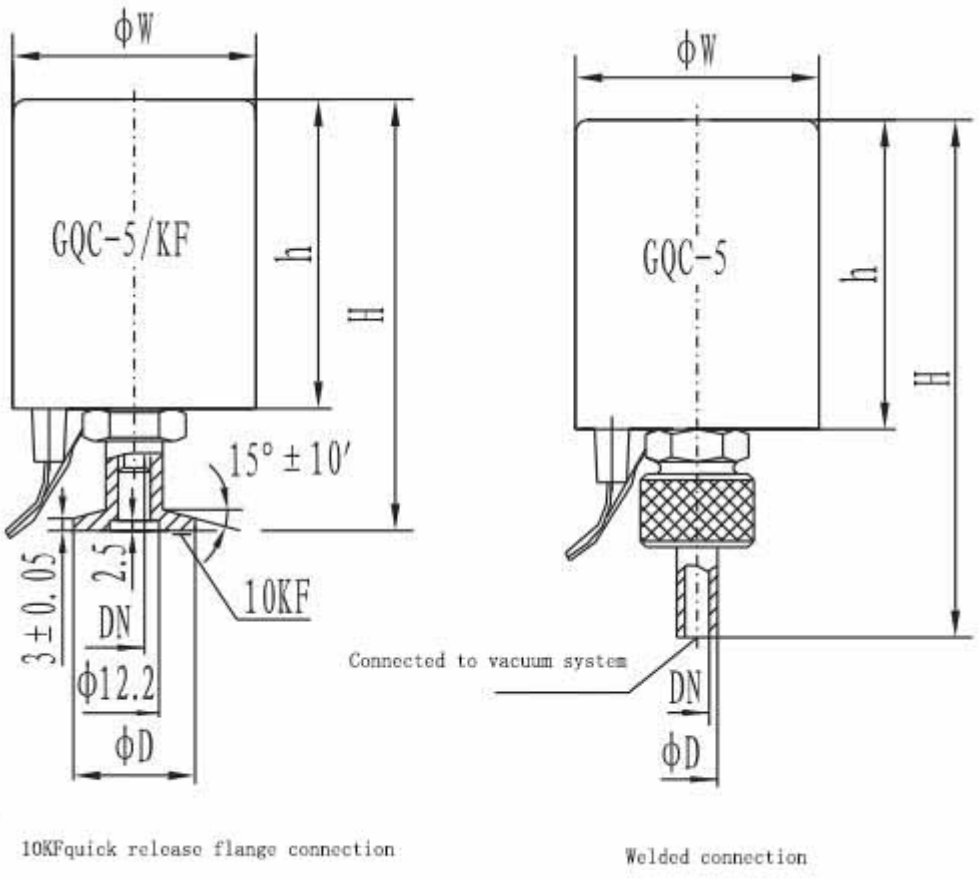
GQC-4A type electro-magnetic valve high-vacuum gas valve has two functions of electrified open / shut. There is an air filter in the valve. It can be used for vacuum system gas filling. The media temperature is from -25°C ~ +40°C.

The applicable media for valve are air, non-corrosive gas.

GDC-J series electro-magnetic high-vacuum gas valve.

Performance parameter	GQC-1.5	GQC-5	GQC-5/KF	GQC-4A
Applicable range (Pa)	10 5 ~ 1.3×10 -4			
Gas leakage rate (Pa.L/S)	≤1.3×10-4			
Flange standard	Welding connection；GB4982			GB4982

Standard manufacture	Valve is under working condition when the power is cut



10KFquick release flange connection

Welded connection

Model	Nominal diameter (DN)	ΦW	ΦD	H	h	electric parameters	
						Power supply	Power
GQC-1.5	1.5	52	7	112	66	DC36V	3.3W
GQC-5	5	60	10	136	90	DC36V	6.5W
GQC-5/KF	5	60	30	119	90	DC36V	6.5W
GQC-4A	4	The size is shown in ohotos				DC36V	3.6W
						AC220V	

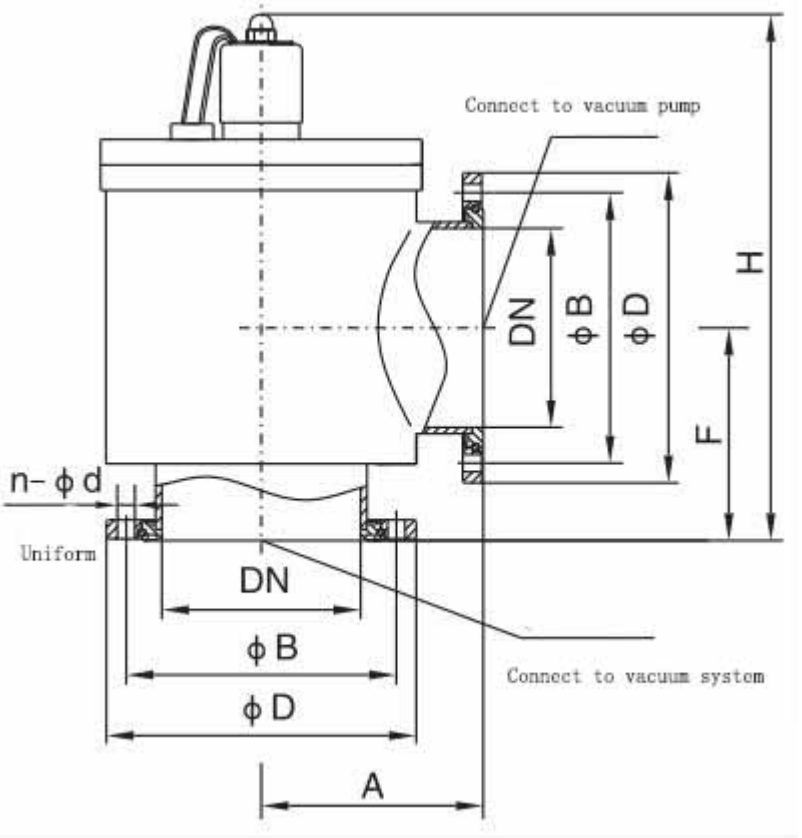
DYC-JQ Series Electromagnetic Vacuum Differential Pressure Charging Valve

Description: DYC-JQ series electromagnetic vacuum differential pressure charging valve is a special valve installed on mechanical vacuum pump.

DYC-JQ series electromagnetic vacuum differential pressure charging valve is a special valve installed on mechanical vacuum pump. It is installed in the air inlet of the mechanical vacuum pump and opens and closes synchronously with the pump. When the pump stops working or the power supply is suddenly interrupted, the valve can automatically close the valve plate depending on the pressure difference between the atmosphere and the vacuum, seal the vacuum system, maintain its vacuum degree, and fill the air into the pump cavity through the throttle hole of the valve to avoid the pump oil backflow polluting the vacuum system.

The applicable working medium is air and non corrosive gas.

applicability (Pa)	105 ~ 1.×10-3
Valve leak rate (Pa.L/S)	<1.0×10-4
supply voltage (V/Hz)	220/50
Applicable temperature (℃)	-25~+50
Opening and closing time	≤3
Installation method	Vertical or horizontal
Coil temperature rise (℃)	≤65
Optional explosion-proof coil	



model	Drift diameter (DN)	ΦD	ΦB	A/F	H	n-Φd	Flange standard
DYC-JQ50	50	110	90	80/80	210	4-Φ9	GB/T6070
DYC-JQ65	63	130	110	88/88	255	4-Φ9	
DYC-JQ80	80	145	125	98/98	285	8-Φ9	
DYC-JQ100	100	165	145	108/108	297	8-Φ9	
DYC-JQ150	150	220	195	153/160	370	8-Φ11	JB919
DYC-JQ200	200	285	260	200/200	430	12-Φ11	GB/T6070

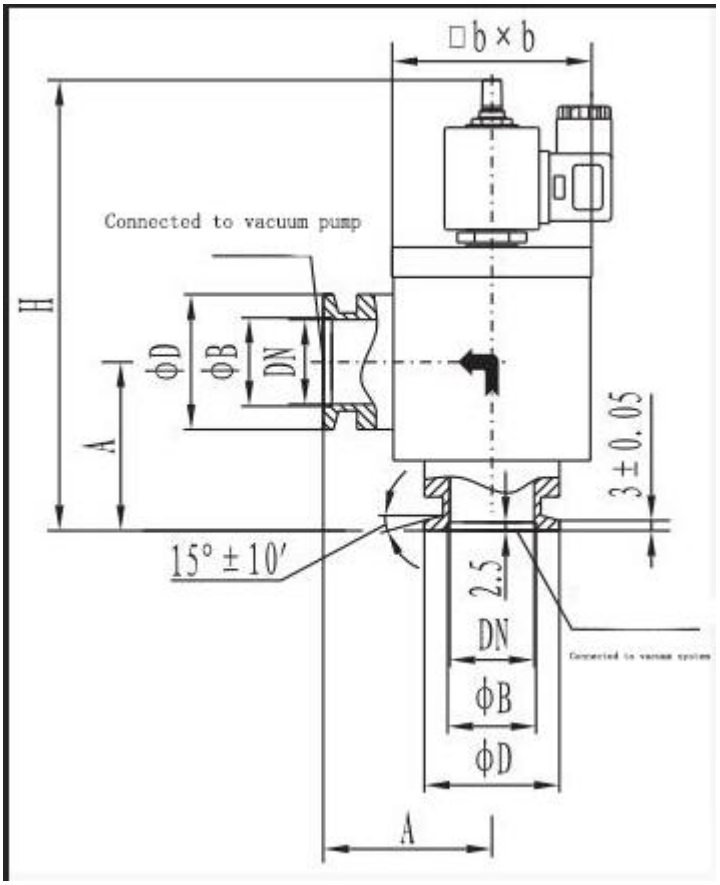
GYC-JQ Series High Vacuum Electromagnetic Differential Pressure Charging Valve

Description: Gyc-jq series high vacuum electromagnetic differential pressure charging valve is a special valve installed on mechanical vacuum pump.

Gyc-jq series high vacuum electromagnetic differential pressure charging valve is a special valve installed on mechanical vacuum pump. It is installed in the air inlet of the mechanical vacuum pump and opens and closes synchronously with the pump. When the pump stops working or the power supply is suddenly interrupted, the valve can automatically close the valve plate depending on the pressure difference between the atmosphere and the vacuum, seal the vacuum system, maintain its vacuum degree, and fill the air into the pump cavity through the throttle hole of the valve to avoid the pump oil backflow polluting the vacuum system.

The applicable working medium is air and non corrosive gas.

applicability (Pa)	105~ 1.×10-3
Valve leak rate (Pa.L/S)	<1.0×10-4
supply voltage (V/Hz)	220/50
Applicable temperature (℃)	-25~+50
Opening and closing time	≤3
Installation method	Vertical or horizontal
Flange standard	GB4982



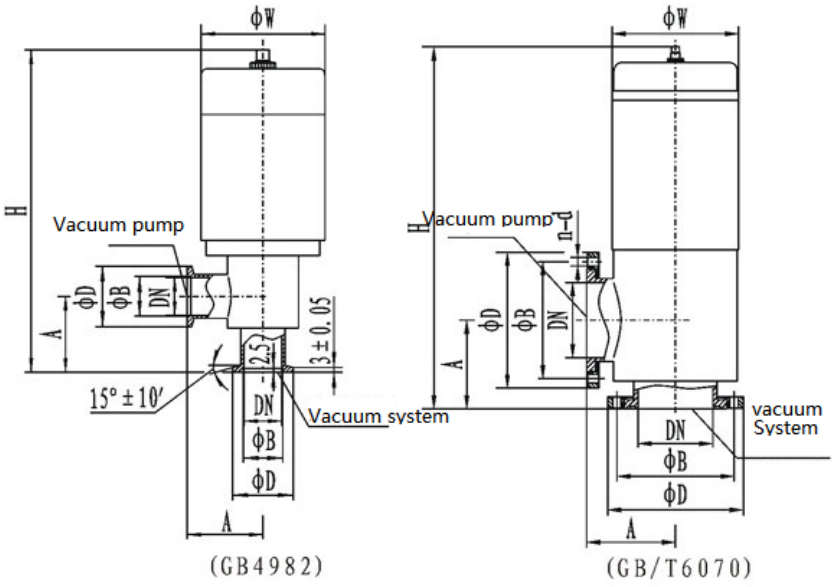
model	Drift diameter (DN)	ΦD	ΦB	H	A	bxb
GYC-JQ16/KF	16	30	17.2	153	40	37×37
GYC-JQ25/KF	25	40	26.2	155	50	62×62
GYC-JQ40/KF	40	55	41.2	178	65	80×80

DDC-JQ-B Series Electro-magnetic Vacuum Gas Valve

Description: DDC-JQ-B series electro-magnetic vacuum gas valve is a special valve installed in rotary vane vacuum pump.

DDC-JQ-B series electro-magnetic vacuum gas valve is a special valve installed in rotary vane vacuum pump. The valve and pump should be connected in the same power. The pump start / stop directly controls the valve open / close. When the pump stops working or there is a sudden interruption of the power supply, the valve will automatically close the Vacuum system and fills gas into pump through the pump gas inlet. In this way, it prevents the pump oil return to the Vacuum system.

The applicable active medium of this valve are air, non-corrosive gas.



Maintechnical performance:

Scope (Pa)	105 ~ 1×10-2
Valve Leakage Rate(Pa.L/S)	< 6.7×10-4
Applicable temperature (°C)	-25 ~ +50
Winding temperature (°C)	≤65
Time for opening and closing the valve (S)	≤3
Rated voltage (V/Hz)	220±10%/50
Flange Standard	

Connection and Dimensions：

Model	Nominal Diameter(DN)	ΦW	ΦD	ΦB	H	A	n-d	Flange standard
DDC-JQ16B	16	68	30	17.2	191	40	/	GB4982
DDC-JQ25B	25	82	40	26.2	202	50		
DDC-JQ32B	32	92	55	41.2	244	50		
DDC-JQ40B	40	110	55	41.2	275	65		
DDC-JQ50B	50	125	110	90	314	80	4-Φ9	GB/T6070
DDC-JQ65B	65	135	130	110	343	88	4-Φ9	
DDC-JQ80B	80	135	145	125	387	95	4-Φ9	
DDC-JQ100B	100	165	165	145	399	108	8-Φ9	

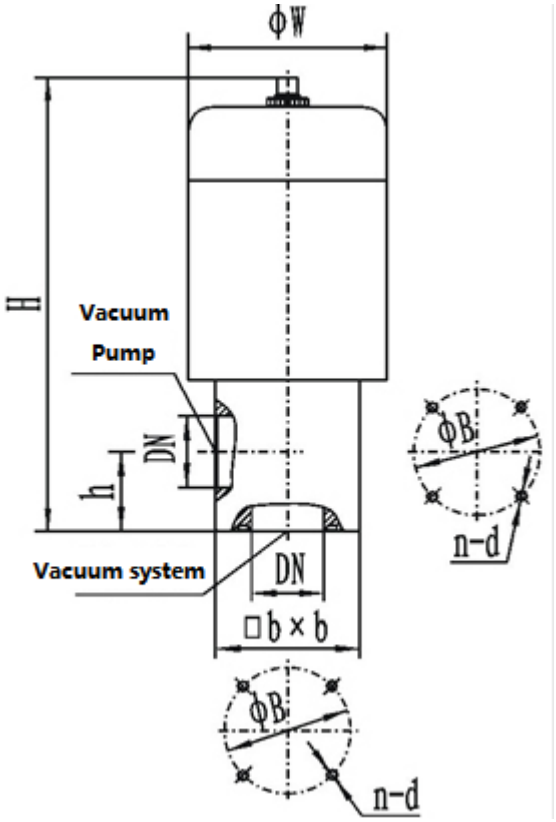
DDC-JQ Series Electro-magnetic Vacuum Gas Valve

Description: DDC-JQ series electro-magnetic vacuum gas valve is a special valve installed in rotary vane vacuum pump.

DDC-JQ series electro-magnetic vacuum gas valve is a special valve installed in rotary vane vacuum pump. The valve and pump should be connected in the same power. The pump start / stop directly controls the valve open / close. When the pump stops working or there is a sudden interruption of the power supply, the valve will automatically close the Vacuum system and fills gas into pump through the pump gas inlet. In this way, it prevents the pump oil return to the Vacuum system.
The applicable active medium of this valve are air, non-corrosive gas.
Note: Quick release and Loose flange connection and outline dimension Please refer to DDC-JQ-B series electro-magnetic vacuum gas valve(including DN100 spec.)

Main Technical Performance:

Scope (Pa)	105 ~ 1×10-2
Valve Leakage Rate(Pa.L/S)	< 6.7×10-4
Applicable temperature (°C)	-25 ~ +50
Winding temperature (°C)	≤65
Time for opening and closing the valve (S)	≤3
Rated voltage (V/Hz)	220±10%/50
Flange Standard	JB919



Connection and Dimensions：

Model	Nominal Diameter(DN)	ΦW	ΦB	H	h	bxb	n-d	Model of the matching mechanical pump
DDC-JQ16A	16	68	42	176	28	48×48	4-M5	2XZ-0.5/1
DDC-JQ25A	25	82	55	199	35	58×58	4-M6	2XZ-2/4
DDC-JQ32	32	92	64	226	40	68×68	4-M6	2XZ-4
DDC-JQ40	40	110	70	245	44	80×80	4-M6	2XZ-8
DDC-JQ50A	50	125	90	290	56	95×95	4-M8	2X-15
DDC-JQ65	65	135	105	320	65	115×115	4-M8	2X-30A
DDC-JQ80	80	165	125	367	75	140×140	4-M8	2X-70A

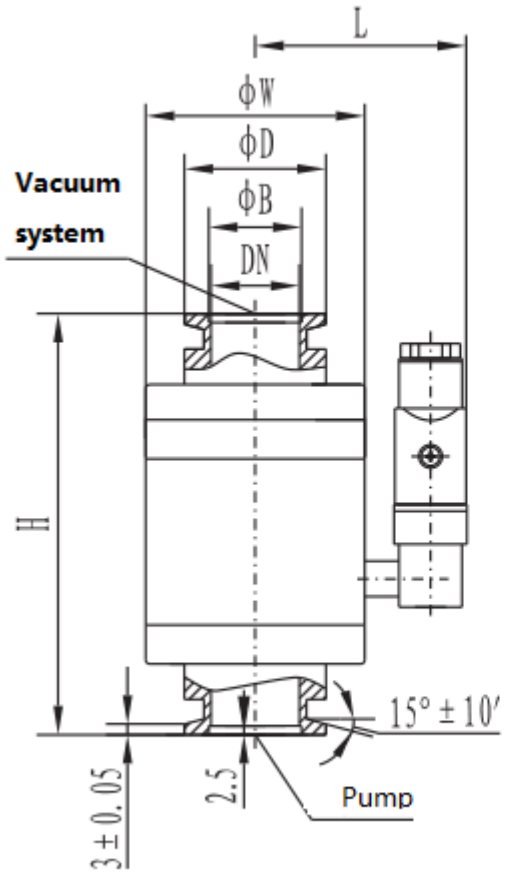
DYC-Q Series Low Vacuum Electro-magnetic Pressure Difference

Description: DYC-Q series low vacuum electro-magnetic pressure difference valve is a new vacuum valve which has been installed in the gas inlet of the mechanical pump.

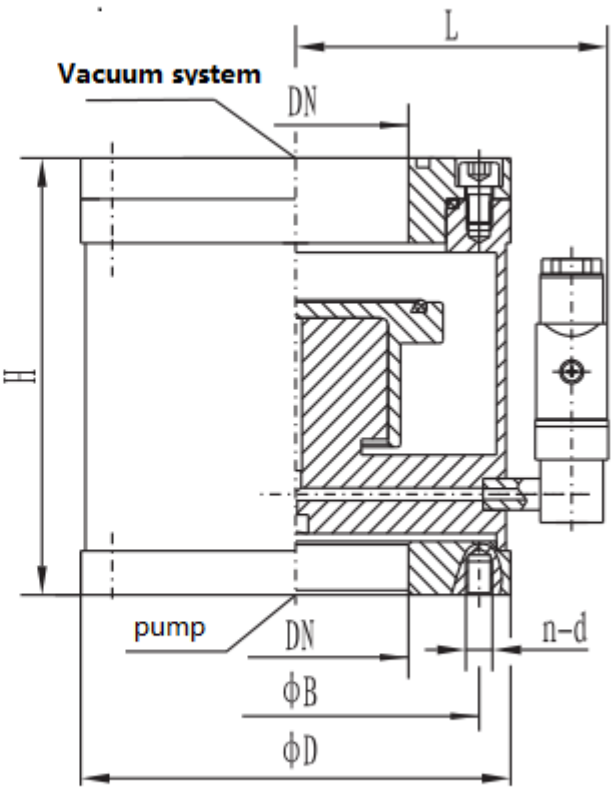
DYC-Q series low vacuum electro-magnetic pressure difference valve is a new vacuum valve which has been installed in the gas inlet of the mechanical pump. The working principle is the valve and pump should be connected in the same power . When the pump stops working or power supply is suddenly interrupted, the valve will depend on atmospheric and vacuum pressure on making the valve plate closes automatically, will be closed Vacuum system to maintain their vacuum, and the atmosphere through the throttle valve into the pump chamber in order to avoid pump oil return to Vacuum system. In this way, it protects the Vacuum system and is beneficial for the re-starting of mechanical pump.
The applicable active medium of this valve are air, non-corrosive gas.

Main technical performance:

Scope (Pa)	105 ~ 102
Valve Leakage Rate(Pa.L/S)	< 6.5×10-2
Medium temperature (°C)	-25 ~ +40
Time for opening and closing the valve (S)	≤3
Rated voltage (V/Hz)	220/50
Installation	Vertical



Picture 1



Picture 2

(KF)Outline dimension and connection size (GB4982)

Model	Nominal Diameter (DN)	ΦW	ΦD	ΦB	H	L	Flange standard
DYC-Q16/KF	16	60	30	17.2	115	63	GB4982
DYC-Q25/KF	25	70	40	26.2	130	67	
DYC-Q40/KF	40	100	55	41.2	160	81	
DYC-Q50/KF	50	110	75	52.2	195	85	/

Connection and outline dimension (GB/T6070)

Model	Nominal Diameter (DN)	ΦD	ΦB	H	L	n-d	Flange standard
DYC-Q16	16	60	45	75	63	4-M6	GB/T6070
DYC-Q20	20	65	50	80	67		
DYC-Q25	25	70	55	90	67		
DYC-Q32	32	90	70	100	75	4-M8	
DYC-Q40	40	100	80	110	81		
DYC-Q50	50	110	90	123	85		
DYC-Q65	65	125	105	147	95		
DYC-Q80	80	145	125	147	102		
DYC-Q100	100	165	145	140	112	8-M8	

DYC-Q125	125	200	175	185	121	8-M10	
DYC-Q160	160	225	200	210	138		
DYC-Q200	200	285	260	240	170	12-M10	
DYC-Q250	250	335	310	285	195		
DYC-Q320	320	425	395	310	241	12-M12	

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