



NINGBO BAOSI ENERGY EQUIPMENT CO., LTD.

2023 PRODUCT CATALOGUE

VACUUM PUMP





VACUTECH LTD. | NINGBO BAOSI ENERGY EQUIPMENT CO., LTD.

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If you want to know more about Baosi Vacuum Pump, please kindly call for more detailed technical data. Thanks.





LEARNING

Choose the right direction, learning by watching, listening and asking to digest and absorb.



PERSEVERANCE

Choose the spirit, adjust yourself and hold out to the end.



HARMONY

Choose a good, make happy and progress by communication, praise and humility.



PROFESSION

Choose perseverance, specialize in one field and get the career achievement.

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ABOUT US

TO GET YOUR SATISFACTION

NINGBO BAOSI ENERGY EQUIPMENT CO., LTD.

Ningbo Baosi Energy Equipment Co., Ltd. was founded in 2005, and in April 2015 the company began to issue stocks on the Shenzhen Stock Exchange (stock code: 300441). Headquartered in Chiang Kai -shek's hometown, holy land of Maitreya--- Fenghua.

The company bases on the compacted high-end precision parts manufacturing, extend to hign-end alloy materials, equipment as well as integrated systems to achieve the development goal, to be a modern enterprise with high-end manufacturing core technology and harmonious development.

The company takes Learn, Harmony, Perseverance and Profession for enterprise culture, and advocates Maitreya culture, promote the spirit of Maitreya.

BAOSI VACUUM SEGMENT

In 2011, Baosi established vacuum business division, which specialized in design, manufacturing and sales of vacuum products. And in 2018, vacuum division developed into Vacuum Group.

Baosi Vacuum Group took the corporate culture as the core idea, aimed at providing one-stop vacuum solutions for customer, concentrating on making Baosi Vacuum be a world-class well-known vacuum brand.





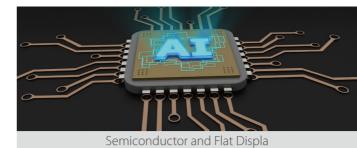


INDUSTRY INVOLVED

People-oriented, common values, sincerely valued customers, comprehensive grasp of customer requirements, customers above all else, harmonious development, shared prosperity.









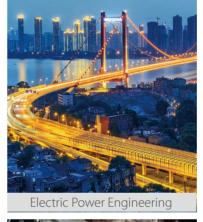


























DEVELOP TOGETHER WITH CUSTOMERS

ONE PHONE CALL EXCELLENT SERVICE +90 (535) 305 90 52







Plastic and Rubber

SINGLE STAGE ROTARY VANE VACUUM PUMP







SRV630[750]A/W

FEATURES

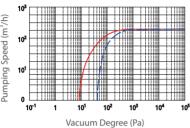
- The use of non-spring rotary vane to achieve low noise, low vibration and long service life.
- Built-in oil check valve is used to avoid the oil return phenomenon.
- Built-in forced fed oil pump is used to ensure the long-term continous operation of the pump at atmospheric pressure.
- The use of air cooling, oil cooling, water cooling and other cooling methods to ensure the good cooling effect, and make the long-term stable runnig of the pump as well as the stable pumping performance.
- Reasonable structure has the advantages of easy assembly and disassembly, as well as the fast and easy maintenance.

PUMP RATE CURVE

SRV300B

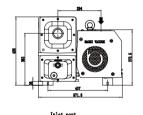
Power supply: 380V-50HZ Vacuum gauge: Pirana vacuum gauge Vacuum pump oil: BS-100D for rotary pump

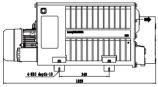
---Ballast Close ---- Ballast Open

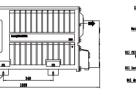


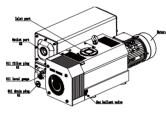
INSTALLATION DIAGRAM

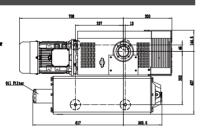
SRV300B











SRV300B TECHNICAL PARAMETER

| MODEL | | 50Hz | | 60Hz |
|---|------|------|---------|------|
| Nominal speed | m³/h | 300 | | 340 |
| Pumping speed | m³/h | 240 | | 290 |
| Ultimate pressure | Pa | | ≤8 | |
| Ultimate pressure (with all gas ballast) | Pa | | ≤200 | |
| Motor Power | kW | | 5.5 | |
| Rated rotation speed | rpm | 1450 | | 1750 |
| Oil capacity(min /max) | L | | 9/12 | |
| Weight | kg | | 200 | |
| Inlet | | | G2/VG50 | |
| Outlet | | | G2 | |

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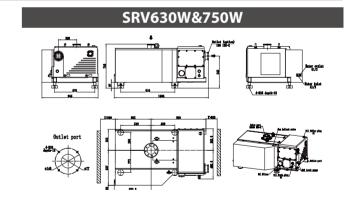
SRV630[750]A/W TECHNICAL PARAMETER

| MODEL | | | | SRV630A | SRV630W | SRV750A | | SRV750W |
|------------------------|------------------------|------|-------|---------|---------------|------------------|------|---------|
| Duranian and | 50Hz | | m³/h | 630 | 630 | 755 | | 755 |
| Pumping speed | 60Hz | | m³/h | 755 | 755 | | / | |
| Ultimate pressure | (without gas ballast) | | Pa | | | ≤8 | | |
| Ultimate pressure | (with one gas ballast) | | Pa | | | ≤70 | | |
| Ultimate pressure | (with two gas ballast) | | Pa | | <u> </u> | ≤200 | | |
| | with one gas ballast | 50Hz | Pa | 4000 | 2500 | 5000 | | 3000 |
| Water vapour tolerance | with one gas ballast | 60Hz | Pa | 5000 | 3000 | | / | |
| water vapour tolerance | with two gas ballast | 50Hz | Pa | 6000 | 3500 | 7000 | | 4000 |
| | with two gas ballast | 60Hz | Pa | 7000 | 4000 | | / | |
| | with one gas ballast | 50Hz | kg/h | 17 | 11 | 24 | | 14 |
| Water vapour capacity | with one gas ballast | 60Hz | kg/h | 24 | 14 | | / | |
| water vapour capacity | with two gas ballast | 50Hz | kg/h | 26 | 15 | 34 | | 19 |
| | | 60Hz | kg/h | 34 | 19 | | / | |
| Noise | 50Hz | | dB(A) | | 76 | | 75 | |
| Noise | 60Hz | | dB(A) | | 78 | | / | |
| Motor power | | | kW | | 15 | | 18.5 | |
| Motor rotation speed | 50Hz | | rpm | | 1460 | | 1470 | |
| Motor rotation speed | 60Hz | | rpm | | 1750 | | / | |
| Level of protection | | | | | 1 | P55 | | |
| Cooling method | | | | air | water | air | | water |
| | Differential pressure | | MPa | / | ≥0.1 | / | | ≥0.1 |
| Cooling water | Flow | | L/min | / | ≥3.0 | / | | ≥3.0 |
| | Temperature | | °C | / | 5~30 | / | | 5~30 |
| Weight(With oil) | | | kg | 695 | 695 | 760 | | 760 |
| Oil | | | | | BS | O-100 | | |
| Oil capacity(min/max) | | | L | | 2 | 5/28 | | |
| Intake | | | | | DN1 | 00ISO-K | | |
| Exhaust | | | | | See the insta | allation diagram | | |

[•] Tested at the ultimate pressure without gas ballast, free-field measured at a distance of 1m

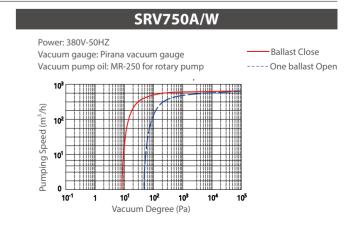
INSTALLATION DIAGRAM

SRV630A&750A



PUMP RATE CURVE

SRV630A/W Power: 380V-50HZ ----Ballast Close Vacuum gauge: Pirana vacuum gauge Vacuum pump oil: MR-250 for rotary pump ---- One ballast Open



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TWO STAGE ROTARY VANE VACUUM PUMP



OIL ROTARY VANE VACUUM PUMP





DRV3[5 10 16 24]

DRV30[40 60 90]

DRV175[275]

DRV SERIES TECHNICAL PARAMETER

| MODEL | | | DRV3 | DRV5 | DRV10 | DRV16 | DRV24 |
|-------------------|-----------------|------|------|------|---------------------|-------|-----------|
| D | 50Hz | m³/h | 3.6 | 5.4 | 9.9 | 14.4 | 22 |
| Pumping speed | 60Hz | m³/h | 4.3 | 6.5 | 12 | 17.4 | 26 |
| I III | Gas ballast off | Pa | | | ≤5X10 ⁻¹ | | |
| Ultimate pressure | Gas ballast on | Pa | | ≤ | 5 | | ≤4 |
| Matanaan (4D) | 380V(3ph) | kW | | 0.4 | | ٥. | 0.75 |
| Motor power (4P) | 220V(1ph) | kW | | 0.4 | | 0.55 | 0.75 |
| Inlet | | | | KF25 | /KF16 | | KF25/KF40 |
| Outlet | | | | | KF25 | | |
| Vacuum pump oil | | | | | BSO-46 | | |
| Oil capacity | | L | 0.7 | 0.7 | 1.1 | 1.2 | 1.7 |
| Weight | | kg | 22.5 | 22.5 | 25 | 27 | 38 |

| MODEL | | | DRV30 | DRV40 | DRV60 | DRV90 |
|----------------------|-----------------|------|-------|--------|-------------------|-------|
| D | 50Hz | m³/h | 30 | 40 | 60 | 84 |
| Pumping speed 60Hz | m³/h | 35 | 48 | 70 | 100 | |
| 1.114: | Gas ballast off | Pa | | ≤57 | X10 ⁻¹ | |
| Ultimate pressure | Gas ballast on | Pa | | 1 | ≤4 | |
| 380V(3p | 380V(3ph) | kW | 1.1 | 1.5 | 2.2 | 2.2 |
| Motor power (4P) | 220V(1ph) | kW | 1.1 | 1.5 | 2.2 | / |
| Lubricating Oil Spec | ification | | | BSG | O-68 | |
| Oil Capacity | | L | 1.9 | 2.1 | 5 | 5.5 |
| Inlet | | DN | KF40 |)/KF25 | KI | 40 |
| Outlet | | DN | K | F40 | K | 40 |
| Noise | Gas Ballast off | dB | ≤ | 63 | ≤ | 65 |
| Weight(3ph) | | kg | ~43 | ~50 | ~81 | ~85 |

| MODEL | | | DRV175 | DRV275 |
|-------------------------|--------------------|-------|---------|--------------------|
| | 50Hz | m³/h | 160 | 255 |
| Pumping speed | 60Hz | m³/h | 196 | 306 |
| | 50Hz | r/min | | 1440 |
| Motor rotary speed | 60Hz | r/min | | 1720 |
| Life . | Gas ballasting off | Pa | ≤ | 5×10 ⁻¹ |
| Ultimate vacuum | Gas ballasting on | Pa | | ≤2 |
| Maximum outlet pressure | (G) | MPa | | 0.05 |
| Inlet | Flange with O-ring | DN | | VG80 |
| Outlet | Flange with O-ring | DN | | VG50 |
| Oil capacity | min/max | L | 20~25 | 23~28 |
| Noise | one meter away | dB(A) | | 75 |
| Weight | no oil/with oil | kg | 201/210 | 217/236 |

- •The value of 'ultimate pressure' in the sheet is measured by Pirani gauge when the Baosi special pump oil is used, and the value should be 5X10-2, if the Mcleod gauge be used.
- •Therefore, the Baosi special pump oil is recommended to guarantee the pump performance.

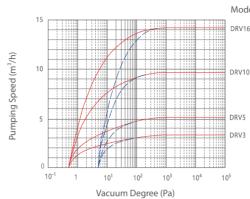
PUMP RATE CURVE

DRV3[5 10 16]

Power: 380V 50HZ

Vacuum gauge: Pirani Vacuum gauge Vacuum pump oil: BSO-46 for rotary pump



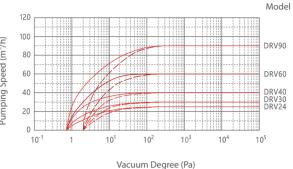


DRV24[30 40 60 90]

Power: 380V 50H

Vacuum gauge: Pirani Vacuum gauge



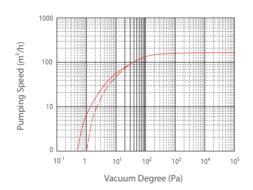


DRV175

Power: 380V 50HZ

Vacuum gauge: Pirani vacuum gauge Vacuum pump oil: BSO-68 for rotary pump





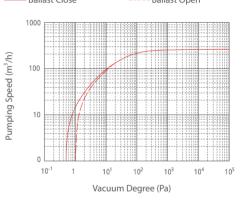
DRV275

Power: 380V 50HZ

Vacuum gauge: Pirani vacuum gauge

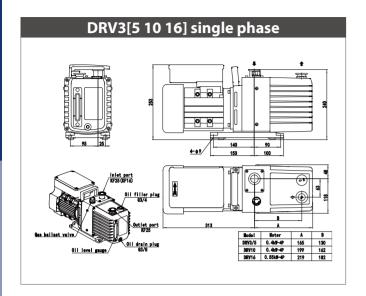
Vacuum pump oil: BSO-68 for rotary pump

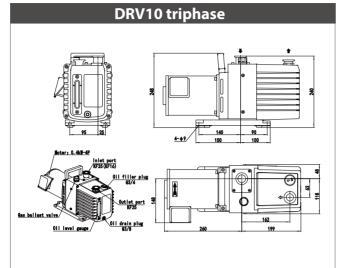
——Ballast Close ----- Ballast Open

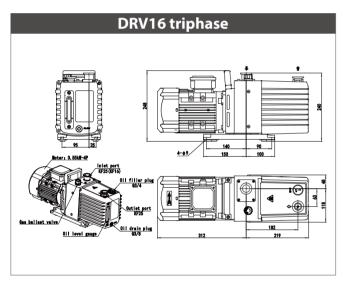


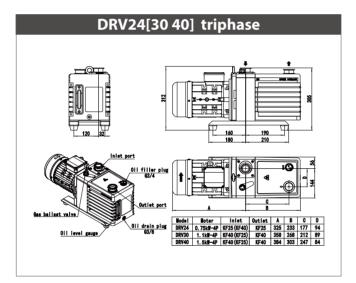
INSTALLATION DIAGRAM

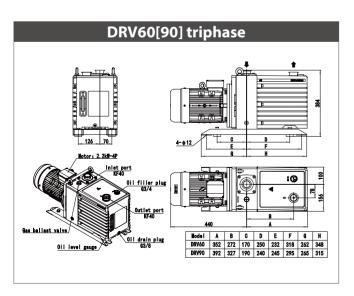
OIL ROTARY VANE VACUUM PUMP

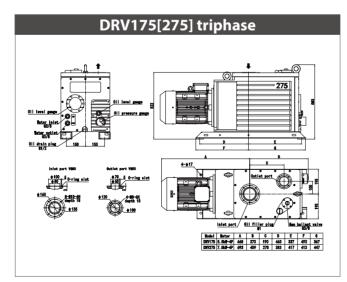












ROOTS VACUUM PUMP





BSJ100Z [70L 150L 300L]

BSJ600LC [1200LC]

FEATURES

- •The use of oil-free intermediate seal, multiple sealed way to ensure the high clean vacuum environment in the rotor chamber.
- Advanced processing to ensure the good geometrical symmetry of the rotors, as well as low noise and long service life.
- Special shaft seal is used to achieve the long stable running without oil leakage.
- The BSJ-L series is made of all-aluminum alloy, heat sink, corrosion resistance, and efficient energy saving. The BSJ-LC series is made of cast iron. The unique liquid coupling method enables the pump to start directly under the atmosphere, which greatly reduces the time of pumping.
- Compact structure, light weight, and small volume.

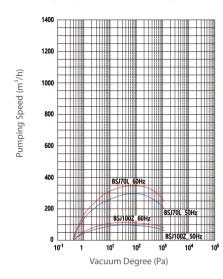
DIRECT DRIVE TECHNICAL PARAMETER

| MODEL | | | BSJ100Z | BSJ70L | BSJ150L | BSJ300L |
|------------------------|-------------|--------------|---------------------|---------------------|--------------------|------------------|
| Pumping speed*1 | 50Hz | m³/h (L/min) | 95(1580) | 280(4670) | 500(8330) | 1000(16667) |
| rumping speed | 60Hz | m³/h (L/min) | 115(1920) | 330(5500) | 600(10000) | 1200(20000) |
| Max Inlet Pressure*1 | 50Hz | Pa | 1.3x10 ³ | 1.2x10 ³ | 1.3 | X10 ³ |
| (continuous operation) | 60Hz | Pa | 1.3x10 ³ | 9.3X10 ² | 1.1 | X10 ³ |
| Max allowable | 50Hz | Pa | 8x10 ³ | 4.0X10 ³ | 7.3 | X10 ³ |
| differential pressure | 60Hz | Pa | 6.7x10 ³ | 3.3X10 ³ | 6.0 | X10 ³ |
| Ultimate pressure*2 | | Pa | | 4.0> | (10 ⁻¹ | |
| Motor(2P) | | kW | 0.4 | 0.75 | 2.2 | 3.7 |
| Oil capacity(BSO-46) | | L | 0.4 | 0.8 | 1.6 | 2 |
| | Flow | L/min | / | 2*3 | 2 | 3 |
| Cooling water | Pressure | MPa | / | | 0.1 | |
| | Temperature | $^{\circ}$ | / | | 5~30* ⁴ | |
| Weight | | kg | 30 | 51 | 79.5 | 115 |
| Inlet | | | VG50 | VG80 | VG80 | VG100 |
| Outlet | | | VF50 | VF80 | VF80 | VF80 |

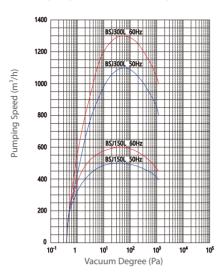
- *1 The value changes depending on the performance of the fore pump. The above data is obtained when the pump is used in combination with a standard fore pump.
- *2 The value is measured by using a Pirani gauge. It is approx. one digit lower when a McLeod gauge is used.
- •*3 Air cooling is abailable when the pressure is lower than 530Pa. Water cooling is required in continuous operation at a pressure higher than 530Pa.
- •*4 The cooling water temperature of inlet port must be 5~30°C When the temperature is too low, keep it in an environment that is not easy to condense.

DIRECT DRIVE PUMP RATE CURVE

Vacuum gauge: Pirani vacuum gauge Vacuum pump oil: BAOSI vacuum special oil BSO-46



Vacuum gauge: Pirani vacuum gauge Vacuum pump oil: BAOSI vacuum special oil BSO-46



HYDRAULIC COUPLING TECHNICAL PARAMETER

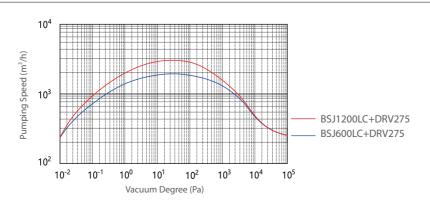
| MODEL | | | BSJ600LC | BSJ1200LC |
|-------------------------------|-------------|------------|---------------------|---------------------|
| Dumning enoug ^{*1} | 50Hz | m³/h | 2590 | 4140 |
| Pumping speed*1 | 60Hz | m³/h | 3110 | 4985 |
| Max Inlet Pressure*1 | 50Hz | Pa | 1.0× | 10 ⁵ |
| (continuous operation) | 60Hz | Pa | 1.0× | 10 ⁵ |
| Max allowed*1 | 50Hz | Pa | 8.0×10 ³ | 6.0×10 ³ |
| differential pessure | 60Hz | Pa | 6.7×10 ³ | 5.0×10 ³ |
| Ultimate Pressure*2 | | Pa | 0.4 | 4 |
| Motor Power (2P) | | kW | 7.5 | 11 |
| Lubricating Oil Specification | ı | | BSO | -46 |
| Gear Cover | | L | 3. | 5 |
| Hydraulic Drive | | L | 6.1 | 5 |
| Shaft Seal Reservoir | | L | 1.: | 5 |
| | Flow | L/min | 6 | |
| Cooling water | Pressure | MPa | 0.2~ | 0.6 |
| | Temperature | $^{\circ}$ | 5~3 | 5*4 |
| Weight | | kg | 350 | 420 |
| Inlet | | | ISO160 | ISO250 |
| Outlet | | | ISO1 | 100 |

- \bullet *1 The value changes depending on the performance of the fore pump. The above data is obtained when the pump is used in combination with a standard fore pump.
- *2 The value is measured by using a Pirani gauge. It is approx. one digit lower when a McLeod gauge is used.
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- *4The cooling water temperature of inlet port must be 5~30°C When the temperature is too low, keep it in an environment that is not easy to condense.

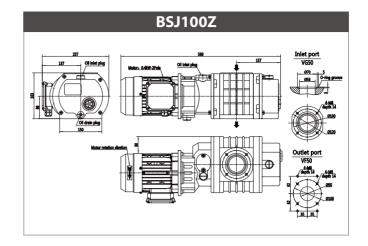
HYDRAULIC COUPLING PUMP RATE CURVE

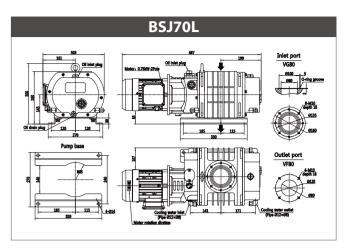
Power: 380V-50Hz

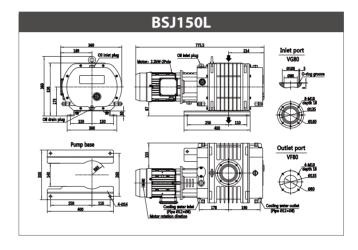
Vacuum gauge: Pirani vacuum gauge
Vacuum pump oil: special oil for BAOSI vacuum pump

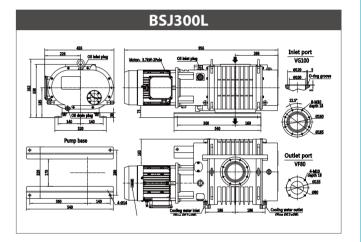


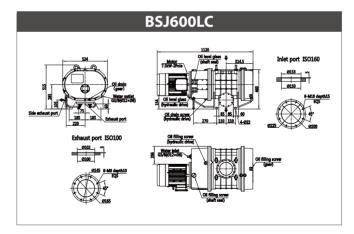
INSTALLATION DIAGRAM

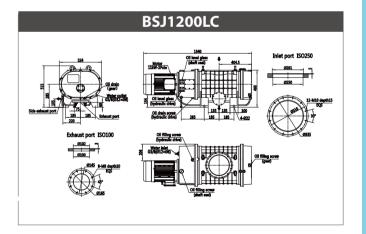












VACUUM PUMP UNIT SERIES

Standard configuration: frame, connection pipes, casters, oil drain ball valve

Options: inverter, electric control panel, oil mist filter, inlet flange(vent valve+vacuum sensor end), flapper valve, inlet filter, vacuum pipe assembly, vacuum gauge

| Recommende | d Pump System |
|-------------------|--------------------|
| Roots Vacuum Pump | Rotary Vacuum Pump |
| BSJ100Z | BSV30/DRV30 |
| BSJ70L | BSV40/DRV40 |
| BSJ150L | BSV60/DRV60 |
| | BSV175/DRV175 |
| BSJ300L | BSV275/DRV275 |
| | SRV300B |
| | BSV275/DRV275 |
| BSJ600LC | SRV300B |
| BSJOUULC | SRV630A/SRV630W |
| | SRV750A/SRV750W |
| | BSV275/DRV275 |
| BSJ1200LC | SRV630A/SRV630W |
| | SRV750A/SRV750W |

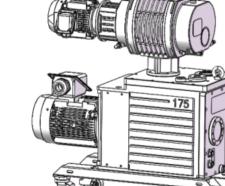


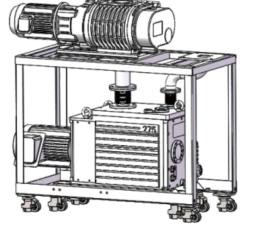




Inlet Filter

Oil mist Filter Oil mist Filter







Inlet Flange







Flapper Valve

Vacuum Gauge

Electric Control Panel

SCREW DRY VACUUM PUMP









GSD Series

GSC Series

FEATURES

- Efficient rotor profile design with the high ultimate pressure.
- Oil-free, clean vacuum, combine with roots pump for system.
- Good geometrical symmetry, low noise, long working life.
- Remove condensable steam, dust, toxic and other gases, and will not be trapped in the pump chamber.
- Double-ended bearing support design for reliable rotor support, extremely low vibration and superior starting reliability, especially for special demanding process.
- Combined with lip-style seal and labyrinth oil-repellent structure to achieve strong sealing performance and long service life, with nitrogen purging to prevent gear box from the pollution of process medium to achieve oil-free vacuum environment.
- High-efficiency permanent magnet synchronous motor with frequency converter to maximize torque output for harsh processing demand water-cooled integral sealed motor design to eliminate oil leakage to improve operational reliability, extend service life and reduce
- Intelligent control system design to realize the one-button start and stop by using intelligent program. The pump chamber can be automatically cleaned during shut down, and the remote control and monitoring functions can be realized through the external control I/O interface and RS485 interface (Modbus protocol).
- Compact-size, few parts, few spares, stable running, light weight, small size, easy installation.

APPLICATIONS

Metallurgy

Vacuum brazing, Electron beam welding, Nitro carburizing, Low pressure nitriding, Low pressure carburizing, Chemical vapor phase impregnation, Sintering, Metal injection molding, Precision investment casting, Electroslag remelting, Vacuum induction melting, Vacuum arc refining, Steel liquid degassing etc.

Coating

Roll-to-roll coating, Hard coating (CVD/DLC), Surface activation, Plasma spraying, Glass coating etc.

Drying

Freeze drying, Casing filling, Transformer drying, Pipeline drying, Capacitor drying, Lithium battery drying etc.

Plasma

Plasma welding, Ion nitriding, Plasma etching, Plasma cleaning etc.

Vacuum Chamber Exhausting

Space environment simulation, Gas recovery/ circulation, Vacuum chamber evacuation etc.

Photovoltaic

Single crystal silicon pulling, PV laminating, LED manufacturing etc.

Other

Laminator, Medical instrument etc.

◎ B∆OSI V∆CUUM BAOSI VACUUM

APPLICATION SOLUTION

The various of vacuum pump we produce can provide you with the best performance solutions.

The following table are the typical application of dry screw vacuum pump. For other application, please contact us for advice.

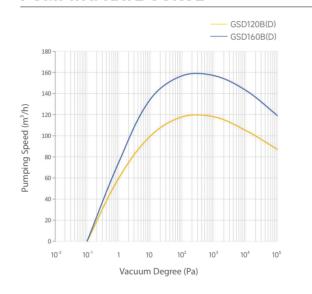
| | | Purgin | ig mode | Acces | sories |
|----------------------------------|-------------------------------|--|--|---------------------------|----------------------|
| Application | Low loading Sealed purging | Medium loading Sealed purging+ ilution purging+ inlet purging when starting and stopping | High loading Medium loading +High flow purging or flux rinse when stopping | Inlet filter Metal net | Silencer Washable |
| Annealing | * | | | | |
| CVI CVD | | * | * | * | * |
| Electron Beam Welding | | * | | * | |
| Gas Quenching | * | | | | |
| LPC Low Pressure Carburizing | | * | * | * | * |
| LPN Low Pressure Carburizing | * | | | | |
| Sintering +Dewaxing | | * | * | * | |
| Oil Quenching | | * | | * | |
| PIC Precision Investment Casting | | * | * | | |
| Ion Carburizing | * | | | | |
| Tempering | * | | | | |
| Vacuum Brazing | | * | * | * | |
| VAR | | * | * | * | |
| VIM | | * | * | * | |

Note: The mark "★ " is the applicable situation

GSD SERIES PUMP

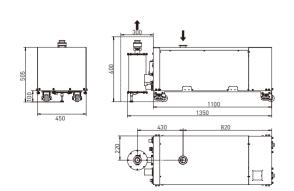
| MODEL | | | GSD120B(D) | GSD160B(D) | |
|--------------------------------------|------------------|--------------|----------------------------|----------------------------|--|
| Pumping speed(w | ithout purging) | m³/h | 120 | 160 | |
| Ultimate Pressure(| without purging) | Pa | ≤5× | 10-1 | |
| Motor | Motor power | kW | 7 | .5 | |
| MOTOL | Voltage(3ph) | V | 380、 | 400 | |
| Interface | Inlet | | KF | 40 | |
| interrace | Outlet | | KF40 | | |
| | Pressure | MPa | $1x10^{-1} \sim 4x10^{-1}$ | | |
| Caaliaa Matau | Flow | L/min | ≥4 | | |
| Cooling Water | Temperature | ℃ 5~30 | | 30 | |
| | Interface | | G3/8 | | |
| | Pressure | MPa | 2x10 ⁻¹ | $2x10^{-1} \sim 6x10^{-1}$ | |
| N ₂ Purging | Flow | L/min | 12 [,] | ~50 | |
| | Interface | | G1/4 | | |
| Max Allowed Outle | et Pressure | MPa | 1.4> | (10 ⁻¹ | |
| Noise(with silencer and check valve) | | dB | ≤ | 70 | |
| Ambient Tempera | ture | $^{\circ}$ C | 5~40℃; below 90%RH | | |
| Weight | | kg | ~350 | /~365 | |

PUMPING RATE CURVE

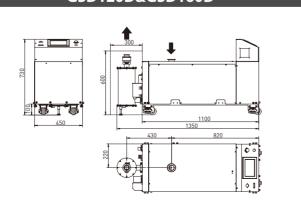


INSTALLATION DIAGRAM

GSD120B&GSD160B



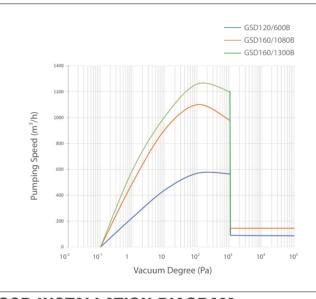
GSD120D&GSD160D

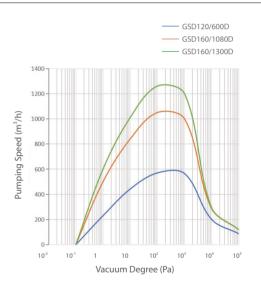


GSD SERIES PUMP SYSTEM

| MODEL | | | GSD120/600B(D) | GSD160/1080B(D) | GSD160/1300B(D) |
|------------------------|--------------------|------------|----------------|----------------------------|-----------------|
| Pumping speed(w | rithout purging) | m³/h | 600 | 1080 | 1300 |
| Ultimate Pressure(| (without purging) | Pa | | ≤1x10 ⁻¹ | |
| Motor | Motor power | kW | 7.5+2.2 | 7.5+3.7 | 7.5+3.7 |
| MOTOL | Voltage(3ph) | V | | 380、400 | |
| Interface | Inlet | | VG80 | VG100 | VG100 |
| interrace | Outlet | | | KF40 | |
| | Pressure | MPa | | $1x10^{-1} \sim 4x10^{-1}$ | |
| Cooling water | Flow | L/min | | ≥4 | |
| Cooling water | Temperature | $^{\circ}$ | | 5~30 | |
| | Interface | | | G3/8 | |
| | Pressure | MPa | | $2x10^{-1} \sim 6x10^{-1}$ | |
| N ₂ Purging | Flow | L/min | | 12~50 | |
| | Interface | | | G1/4 | |
| Max Allowed Outle | et Pressure | MPa | | 1.4x10 ⁻¹ | |
| Noise(with silence | r and check valve) | dB | ≤70 | ≤72 | ≤72 |
| Ambient Tempera | ture | $^{\circ}$ | | 5~40 °C / Below 90% RH | |
| Weight | | kg | ~450/~480 | ~495/~520 | ~520 |

PUMPING RATE CURVE

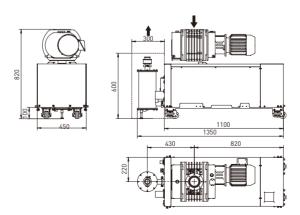




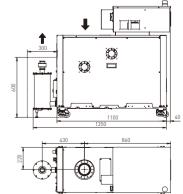
GSD120/600D&GSD160/1080D&GSD160/1300D

GSD INSTALLATION DIAGRAM

GSD120/600B&GSD160/1080B&GSD160/1300B



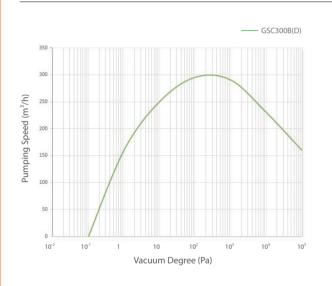


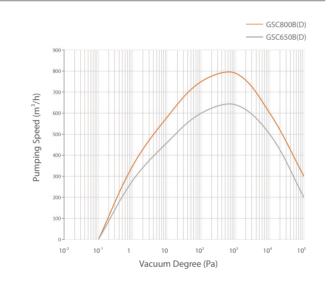


◎ B∆OSI V∆CUUM

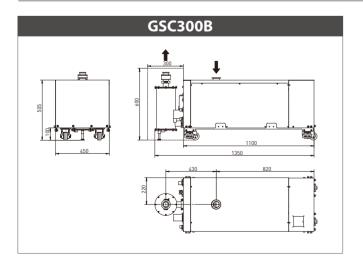
| MODEL | | | C\$C300P(D) | CSCSEAR(D) | CSCOODB(D) | |
|---------------------|------------------|----------------------|--|--|--------------------|--|
| MODEL | | | GSC300B(D) | GSC650B(D) | GSC800B(D) | |
| Pumping speed(with | thout purging) | m³/h | 300 | 300 650 | | |
| Ultimate Pressure(v | vithout purging) | Pa | ≤5×10 ⁻¹ | | | |
| Motor | Motor power | kW | 5.5 | 18.5 | 22 | |
| IVIOLOI | Voltage(3ph) | V | | 380、400 | | |
| La conference | Inlet | | KF50 | ISO1 | 00 | |
| Interface | Outlet | | KF40 | KF50 | | |
| | Pressure | MPa | 1×10 ⁻¹ ~4×10 ⁻¹ | 2×10 ⁻¹ ~ | 6×10 ⁻¹ | |
| Continua Manage | Flow | L/min | ≥4 | | ≥7 | |
| Cooling Water | Temperature | $^{\circ}\mathbb{C}$ | | | | |
| | Interface | | G3/8 | G1/ | /2 | |
| | Pressure | MPa | | 2×10 ⁻¹ ~6×10 ⁻¹ | | |
| Purging | Flow | L/min | 12~50 | 50~ | 90 | |
| | Interface | | | G1/4 | | |
| Max Allowed Outle | t Pressure | MPa | | 1.40×10 ⁻¹ | | |
| Noise(with silencer | and check valve) | dB | ≤70 | ≤7. | 2 | |
| Ambient Temperati | ure | $^{\circ}$ | | 5~40°C; below 90%RH | | |
| Weight | | kg | ~350/~365 | ~580/~680 | ~600/~700 | |

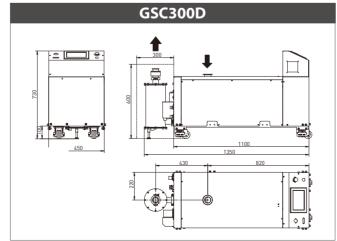
PUMPING RATE CURVE



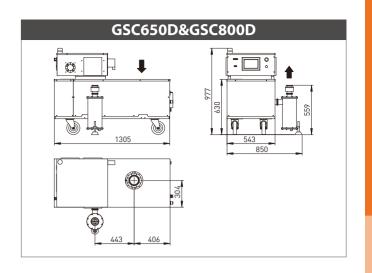


GSC INSTALLATION DIAGRAM





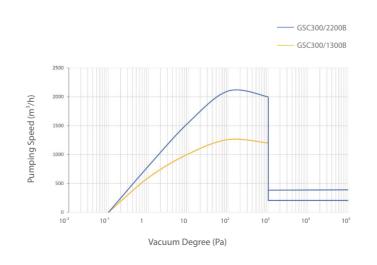
GSC650B&GSC800B

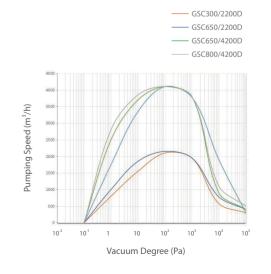


GSC SERIES PUMP SYSTEM

| MODEL | | | GSC300/1300B | GSC300/2200B(D) | GSC650/2200D | GSC650/4200D | GSC800/4200D |
|--------------------|---------------------------------------|------------|--------------------|----------------------|----------------------------|----------------------------|--------------|
| Pumping speed(v | vithout purging) | m³/h | 1300 | 2200 | 2200 | 2200 4200 | |
| Ultimate Pressure | Ultimate Pressure(without purging) Pa | | | | ≤1x10 ⁻¹ | | |
| Mater | Motor power | kW | 5.5+3.7 | 5.5+7.5 | 18.5+7.5 | 18.5+11 | 22+11 |
| Motor | Voltage(3ph) | V | | | 380、400 | | |
| Interface | Inlet | | VG100 | ISO160 | ISO160 | ISC | 250 |
| interrace | Outlet | | K | F40 | | | |
| c !: w. | Pressure | MPa | 1x10 ⁻¹ | 1~4x10 ⁻¹ | | $2x10^{-1} \sim 4x10^{-1}$ | |
| | Flow | L/min | ≥4 | ≥6 | | ≥12 | |
| Cooling Water | Temperature | $^{\circ}$ | | | 5~30 | | |
| | Interface | | G3/8 | | G1 | /2 | |
| | Pressure | MPa | | | $2x10^{-1} \sim 6x10^{-1}$ | | |
| Purging | Flow | L/min | 12~50 | 12~88 | | 23~90 | |
| | Interface | | | | G1/4 | | |
| Max Allowed Out | let Pressure | MPa | | | 1.4x10 ⁻¹ | | |
| Noise(with silence | er and check valve) | dB | ≤72 | ≤75/≤72 | | | |
| Ambient Tempera | ature | $^{\circ}$ | | | 5~40 °C / Below 90% RH | | |
| Weight | | kg | ~495 | ~780/~925 | ~1060 | ~1 | 250 |

PUMPING RATE CURVE

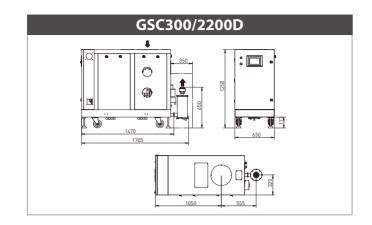




③ B∆OSI V∆CUUM **③** B∆OSI V∆CUUM

GSC INSTALLATION DIAGRAM

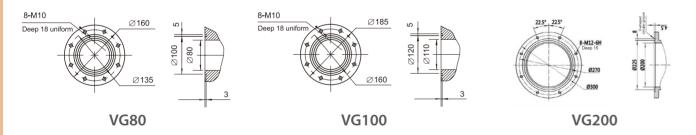
GSC300/1300B&GSC300/2200B



GSC650/2200D&GSC650/4200D&GSC800/4200D

FLANGE SIZE

Single pump inlet flange is KF50 or KF40. Vacuum system inlet flange is VG80/ VG100 or VG200 as following size.



ACCESSORIES

The available with a wide range of accessories for a wide range of applications. The cost is saved on the premise of satisfying the user's requirements. All accessories can be fully integrated with the dry screw vacuum pump to create an efficient and safe system.

Inlet Adapter Flange

Due to the different connections of each device, we offer a range of inlet adapter flanges for vacuum pump. These flanges allow the installation of air intake filter and functional interface to ensure easy connection to the customer's equipment.

Intake Filter

Screw vacuum pump has excellent dust handling capacity in many applications. However, the screw vacuum pump cannot continuously extract solid matter, so in some applications, installing the air intake filter can greatly extend the maintenance interval of the vacuum pump.

Silencer

In order to reduce the noise of the exhausting, it's absolutely necessary to equip the silencer of the pump. We provide customers with standard silencer as well as a variety of silencer customization service according to the working conditions.

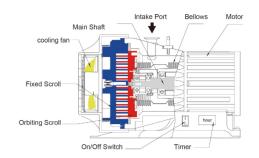
Check Valve

We choose the exhaust check valve according to the pressure of customer's working condition to minimize the noise of the vacuum pump.

◎ B∆OSI V∆CUUM

SCROLL DRY VACUUM PUMP





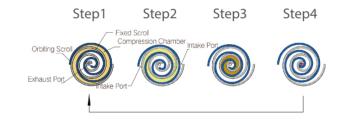
IDSP6[10 16 36 45]

Scroll pump is a new kind of oil-free mechanical pump with features of simple construction, good sealing, high vacuum ect. As a high-technology product, it has highly technical requirement in desigh and manufacture. With benefits of low consumption, long working life, high reliability, and low noise, It has incomparable advantages in the application of clean process and has been popularly used in the market. IDSP series scroll dry pumps are scroll dry pumps with excellent performance and obvious price competitiveness, which are introduced by Baosi Vacuum for the characteristics of downstream applications at home and abroad.

APPLICATIONS

Clean vacuum, Backing turbomolecular pumps, Library, Analysis equipment, Leak detection, Beam line, Scientific researching, Medical equipment, Distillation/extraction/filtration, Laser, Semiconductor (LED/LCD), Photovoltaic, Coating (PVD/CVD), Battery, Glove box, Beam welding/laser welding, Space simulation.

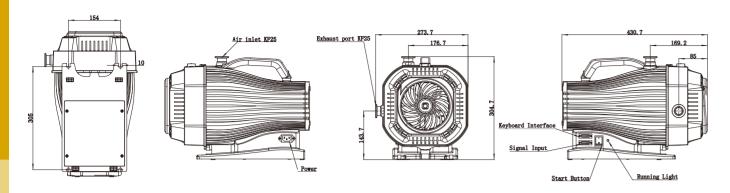
WORKING PRINCIPLE



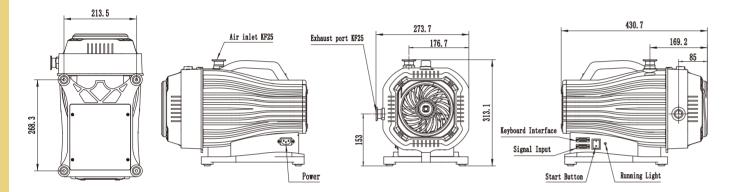
TECHNICAL PARAMENT

| MODEL | | IDSP6 | IDSP10 | IDSP16 | IDSP36 | IDSP45 |
|--------------------------------|------------------|-------|---------|--------------------------------------|--------|--------|
| Naminalancad | L/s | 2 | 3 | 4 | 10 | 12.5 |
| Nominal speed | m³/h | 6 | 10 | 16 | 36 | 45 |
| Ultimate vacuum | mbar | 0.03 | 0.008 | 0.008 | 0.01 | 0.05 |
| Oitimate vacuum | Pa | 3 | 0.8 | 0.8 | 1 | 5 |
| Leak rate | mbar·L/s | | | < 1×10 ⁻⁶ | | |
| Leak rate | Pa·m³/s | | | < 1×10 ⁻⁷ | | |
| Input voltage | V | | | Single phase100-120/200-240 |) | |
| Motor power | W | | 400 | | 11 | 00 |
| Rated motor speed | rpm | | | 1800 | | |
| Maximum inlet pressure | | | | ATM | | |
| Dimension | mm | 430×2 | 274×305 | 430×274×313(new) 430×274×305(old) | 574×33 | 35×368 |
| Noise | dB(A) | | 54 | | 5 | 6 |
| Inlet | | | KF25 | | KF | 40 |
| Outlet | | | | KF25 | | |
| Water vapor treatment capacity | gh ⁻¹ | 100 | 136 | 268 | 20 | 00 |
| Weight | kg | / | 28 | 29 | 5 | 6 |
| Cooling mode | | | | Air-cooled | | |
| Ambient Temperature | $^{\circ}$ | | 5~40 | | 10~ | ~40 |

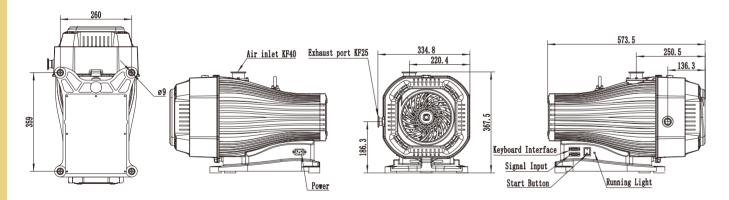
IDSP6/IDSP10/IDSP16(OLD) INSTALLATION DIAGRAM



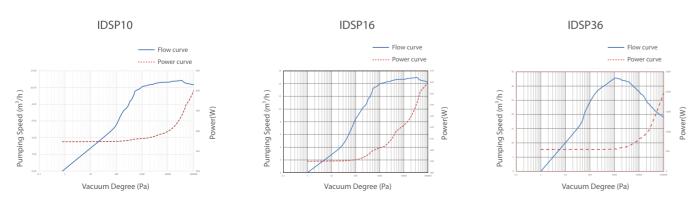
IDSP16(NEW) INSTALLATION DIAGRAM



IDSP36 INSTALLATION DIAGRAM



PUMPING RATE CURVE



HI-VACUUM ANGLE VALVES







GDQ

GDC

This valve is suitable for working medium with air and non-corrosive gas. It is used to cut or turn on the vacuum line and is one of the important components of the vacuum system. The hand wheel is turned by hand (manual) or compressed air (pneumatic) as the driving force and the mechanism is connected with valve plate to lift and lower, and the valve opening and closing action is completed.

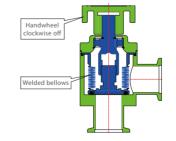
GD SERIES/GDQ SERIES/GDC SERIES HV VALVE FEATURES

- Two position three -way, two position five -way solenoid valve components, quickly combine combinations through simple operations to meet the different needs of customers;
- Standardized, modular design, easy to replace and repair;
- Dust -proof design, suitable for the application of a small amount of dust;
- •The dynamic seal is welded with AM350 material with a service life of 800,000 to 1,000,000 times;
- The pneumatic valve opening/ closed position is a mechanical micro switch and magnetic switch: Micro switch, with sensitive response, reliable output, strong anti-interference. Magnetic switch, can be adjusted in a small range.
- Anodizing surface of the aluminum alloy valve
- Manual and pneumatic valve equipped with mechanical location instructions;
- Electromagnetic parts adopt energy -saving design.

APPLICATION

Widely applied in semiconductor, photovoltaic, new energy, pharmaceutical, scientific reserrch, laboratory, chemical, light industry, metallurgy, petroleum, machinery, electronics and other industries, as well as electric vacuum device manufacturing, light bulbs, vacuum flask manufacturing, vacuum welding, vacuum casting, instrumentation, printing and packaging machinery, etc.

GD SERIES HV MANUAL BAFFLE VALVE PARAMETER



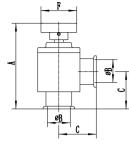


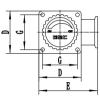
| | | GD-J16B | GD-J25B | GD-J40B | GD-J50B | | |
|----------------------------------|---|--|--|---|---|--|--|
| | mm | 16 | 25 | 40 | 50 | | |
| Pressure Range Pa | | | 1×10 ⁻⁶ | ~ 5×10 ⁵ | | | |
| Opening Direction | Pa | | ≤1.2 | 2×10 ⁵ | | | |
| Closure Direction | Pa | ≤5×10 ⁵ | | | | | |
| Opening Pressure Differential Pa | | ≤1.2×10 ⁵ Any Orientation | | | | | |
| Leak Rate Pa·L/s | | | ≤1.3 | ×10 ⁻⁷ | | | |
| /cles | times | 1 Million | | | | | |
| e | L/s | 4.5 | 14 | 45 | 80 | | |
| 2 | $^{\circ}$ | ≤120 | | | | | |
| osure Time | S | Manual Operation Time | | | | | |
| cation | | Mechanical Indicator | | | | | |
| Position | | Any | | | | | |
| nperature | $^{\circ}$ | | 5~ | 40 | | | |
| | Opening Direction Closure Direction sssure Differential vcles e susure Time cation Position | Opening Direction Pa Closure Direction Pa ssure Differential Pa Pa·L/s vcles times L/s Cosure Time s cation Position | mm 16 Ige Pa Opening Direction Pa Closure Direction Pa ssure Differential Pa Pa·L/s rcles times e L/s 4.5 e °C soure Time s cation Position | mm 16 25 rge Pa 1×10 ⁻⁶ · Opening Direction Pa ≤1.2 Closure Direction Pa ≤5 ssure Differential Pa ≤1.2×10 ⁵ An Pa-L/s ≤1.3; xcles rcles times 1 Mi e L/s 4.5 14 e °C ≤1 osure Time s Manual Ope cation Mechanical Position Ar | mm 16 25 40 Inge Pa $1 \times 10^6 \sim 5 \times 10^5$ Opening Direction Pa $\leq 1.2 \times 10^5$ Closure Direction Pa $\leq 5 \times 10^5$ Susure Differential Pa $\leq 1.2 \times 10^5$ Any Orientation Pa·L/s $\leq 1.3 \times 10^7$ Incles times $\leq 1.0 \times 10^7$ Incles $\leq 1.0 \times 10^7$ Include $\leq 1.0 \times 10^7$ Includ | | |



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FIXING DEMENSION DRAWING

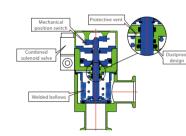




DN16-50

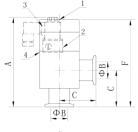
| MODEL | DN | | Dimension Table (mm) | | | | | | | |
|---------|----|-----|------------------------|----|----|-----|----|----|--|--|
| MODEL | DN | Α | В | C | D | Е | F | G | | |
| GD-J16B | 16 | 110 | 16 | 40 | 46 | 63 | 40 | 35 | | |
| GD-J25B | 25 | 120 | 25 | 50 | 54 | 77 | 50 | 43 | | |
| GD-J40B | 40 | 151 | 40 | 65 | 74 | 102 | 60 | 61 | | |
| GD-J50B | 50 | 165 | 50 | 70 | 78 | 109 | 60 | 65 | | |
| | | | | | | | | | | |

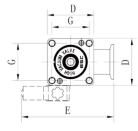
GDQ SERIES HV PNEUMATIC BAFFLE VALVE PARAMETER



| MODEL | | | GDQ-J16(B) | GDQ-J25(B) | GDQ-J40(B) | GDQ-J50(B) | | |
|------------------------|---------------------|--------------|--|--|---------------------------------------|------------|--|--|
| DN | | mm | 16 | 25 | 40 | 50 | | |
| Pressure | | Pa | | 1×10 ⁻⁵ ~ 5×10 ⁵ (| $1\times10^{-6} \sim 5\times10^{5}$) | | | |
| Differential | Opening Direction | Pa | | ≤1 | 2×10 ⁵ | | | |
| Pressure | Closure Direction | Pa | ≤5×10 ⁵ | | | | | |
| Opening Pre | essure Differential | Pa | | ≤1.2×10 ⁵ An | y Orientation | | | |
| Leak rate Pa·L/s | | | ≤1.3×10 ⁻⁷ | | | | | |
| Switching Cycles times | | | | 1 Mi | llion | | | |
| Conductano | ce | L/s | 4.5 | 14 | 45 | 80 | | |
| Temperatur | e | $^{\circ}$ C | ≤120 | | | | | |
| Power Supp | ly | | A/C 220V 50Hz or D/C 24V,3W, | | | | | |
| Opening/Cl | osure Time | S | ≤0.7 | | | | | |
| Air Compres | ssion | MPa | 0.4~0.7 | | | | | |
| Position Indication | | | Passive Switch Signal + Mechanical Indicator | | | | | |
| Installation | Position | | Any | | | | | |
| Ambient Ter | mperature | °C | 5~40 | | | | | |

FIXING DEMENSION DRAWING



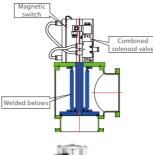


| יוט | 11 | 0- | J |
|-----|----|----|---|
| | | | |
| | | | |

| MODEL | DN | | Dimension Table (mm) | | | | | | | |
|-----------|----|-------|------------------------|----|----|-------|-------|----|--|--|
| | DN | Α | В | C | D | Е | F | G | | |
| GD-J16(B) | 16 | 117 | 16 | 40 | 46 | 87.8 | 120.9 | 35 | | |
| GD-J25(B) | 25 | 123.5 | 25 | 50 | 54 | 100.8 | 127 | 43 | | |
| GD-J40(B) | 40 | 147 | 40 | 65 | 74 | 115.8 | 163 | 61 | | |
| GD-J50(B) | 50 | 163 | 50 | 70 | 78 | 129.8 | 187.4 | 65 | | |

- Mechanical position indication
- Compressed air source connection
- Two-position three-way solenoid valve assembly
- Leak detection and venting hole

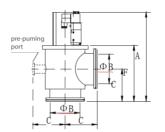
GDQ SERIES HV PNEUMATIC BAFFLE VALVE PARAMETER [STAINLESS STEEL]





| MODEL | | | GDQ-J63(B) | GDQ-J100(B) | GDQ-J160(B) | GDQ-S200(B) | GDQ-S250(B) | | | |
|------------------------|---------------------|------------|--|--|---|---------------------|-------------|--|--|--|
| DN | | mm | 63 | 100 | 150 | 200 | 250 | | | |
| Pressure | Pressure Pa | | | 1×10 | 5~3×10 ⁵ (1×10 ⁻⁶ ~ | 3×10 ⁵) | | | | |
| Differential | Opening Direction | Pa | | | ≤1×10 ⁵ | | | | | |
| Pressure | Closure Direction | Pa | | | ≤3×10 ⁵ | | | | | |
| Opening Pre | essure Differential | Pa | | ≤1 | ×10⁵ Any Orient | ation | | | | |
| Leak rate | | Pa·L/s | ≤1.3×10 ⁻⁷ | | | | | | | |
| Switching Cycles times | | | | 800 000 | | | | | | |
| Conductano | ce | L/s | 160 | 400 | 1000 | 2000 | 3000 | | | |
| Temperatur | е | $^{\circ}$ | | | ≤120 | | | | | |
| Power Supp | ly | | AC 220V 5 | AC 220V 50Hz,6W or DC24V,3W;Special specifications can be customized | | | | | | |
| Opening/Cl | osure Time | S | ≤0.8 | ≤1 | ≤2 | ≤2.8 | ≤3.5 | | | |
| Air Compres | ssion | MPa | 4×10 ⁻¹ ~7×10 ⁻¹ | | | | | | | |
| Position Ind | ication | | Passive Switch Signal + Mechanical Indicator | | | | | | | |
| Installation | Position | | Any | | | | | | | |
| Ambient Tei | mperature | °C | 5~40 | | | | | | | |

FIXING DEMENSION DRAWING



| MODEL | DN | | Dimension Table (mm) | | | | | | |
|-------------|-----|-------|------------------------|-----|-----|-------|-------|----|---------------------|
| MODEL | DN | Α | В | C | D1 | Е | F | G | Pre extraction port |
| GDQ-J63(B) | 63 | 255 | 63 | 88 | 108 | 142 | 154 | 40 | _ |
| GDQ-J100(B) | 100 | 306 | 100 | 108 | 137 | 176.5 | 190 | 60 | _ |
| GDQ-J160(B) | 150 | 406.5 | 153 | 138 | 208 | 242 | 253.5 | 94 | _ |
| GDQ-S200(B) | 200 | 503 | 200 | 178 | 258 | 356 | 320 | 94 | KF50 |
| GDQ-S250(B) | 250 | 608 | 250 | 208 | 310 | 416 | 410 | 94 | LF63 |

GDC-J16(B)

GDC-J25(B)

25 $1\times10^{-5}\sim1\times10^{5}(1\times10^{-6}\sim1\times10^{5})$

≤1×10⁵

≤5×10⁵

≤1×10⁵ Any Orientation ≤1.3×10⁻⁷

200 000

≤120

Ue: AC220V 50Hz Scope of ues: 85% Ue ~110% Ue

800/1

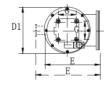
open≤ 0.2 close≤ 0.5

≤300

Passive Switch Signal + Mechanical Indicator

5~40

GDC-J40(B)



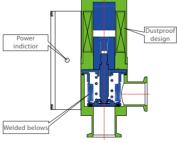
GDC SERIES HV ELCTROMAGNETIC BAFFLE VALVE PARAMETER

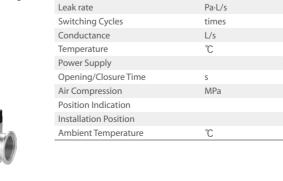
Differential Opening Direction

Pressure Closure Direction Opening Pressure Differential

MODEL

Pressure

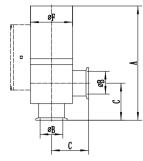


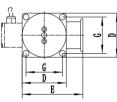




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FIXING DIMENSION DRAWING





| <u>.</u> | 9 | 8 | | G. | Γ_ |
|----------|---|---|---|----|----|
| L | | | Ц | ا | _ |
| | - | - | | | |
| | - | E | _ | | |

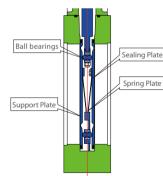
DN63~250

| MODEL | DN | | Dimension Table (mm) | | | | | | | |
|----------|----|-------|------------------------|----|----|------|----|----|--|--|
| MODEL | DN | Α | В | C | D1 | Е | F | G | | |
| GDC-J16 | 16 | 167.5 | 16 | 35 | 48 | 62.5 | 44 | 39 | | |
| GDC-J16B | 16 | 167.5 | 16 | 35 | 48 | 62.5 | 44 | 39 | | |
| GDC-J25 | 25 | 179.5 | 25 | 45 | 48 | 73.5 | 50 | 44 | | |
| GDC-J25B | 25 | 187 | 25 | 45 | 56 | 73.5 | 50 | 44 | | |
| GDC-J40 | 40 | 217 | 40 | 55 | 72 | 91.5 | 66 | 57 | | |
| GDC-J40B | 40 | 221 | 40 | 55 | 78 | 94.5 | 73 | 63 | | |

GCQ SERIES HV PNEUMATIC GATE VALVE FEATURES

- Separate valve body design for easy maintenance and cleaning;
- No roller design, small friction in the valve body, conducive to clean, and low noise and low impact when moving;
- Mechanically lock the closed state of the valve to ensure that the valve can still be sealed reliably when the gas or electricity is cut off;
- Aluminum alloy valve body with anodized surface;
- Magnetic switch, position adjustable within a small range;
- Fewer parts for cost control.
- Service life: > 10,000 times

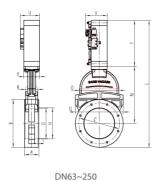
GCQ SERIES HV PNEUMATIC GATE VALVE PARAMETER [STAINLESS STEEL]





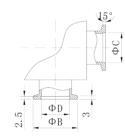
| MODEL | | | GCQ-100 | GCQ-160 | GCQ-200 | GDQ-250 | | | |
|------------------------|----------------------|------------|--|----------------------|-------------|---|--|--|--|
| DN | | mm | 100 | 150 | 200 | 250 | | | |
| Pressure | | Pa | 1×10 ⁻⁵ ~1.6×10 ⁵ 1×10 | | | 1×10 ⁻⁵ ~1.2x10 ⁵ | | | |
| Differential | Opening Direction | Pa | ≤1×10 ⁵ | | | | | | |
| Pressure | Closure Direction | Pa | | ≤1.6×10 ⁵ | | ≤1.2×10 ⁵ | | | |
| Opening Pre | ssure Differential | Pa | | ≤3×10³ Any | Orientation | | | | |
| Leak rate | Leak rate | | | ≤1×10 ⁻⁷ | | | | | |
| Switching Cy | Switching Cycles | | 100 000 80 000 | | | | | | |
| Conductance | е | L/s | 2000 | 6000 | 12000 | 22000 | | | |
| Temperature | Temperature | | ≤120 | | | | | | |
| Power Suppl | Power Supply | | AC 220V 50Hz,6W or DC24V,3W;Special specifications can be customized | | | | | | |
| Opening/Clo | Opening/Closure Time | | 2 | 2.5 | 3.5 | 5 | | | |
| Air Compression | | MPa | 4×10 ⁻¹ ~7×10 ⁻¹ | | | | | | |
| Position Indication | | | Magnetic Switches | | | | | | |
| Installation Position | | | Any | | | | | | |
| Ambient Temperature °C | | $^{\circ}$ | 5~40 | | | | | | |

FIXING DIMENSION DRAWING



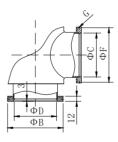
| MODEL | GCQ-160 | GCQ-200 | GDQ-250 |
|-------|---------|---------|---------|
| A | 70 | 80 | 100 |
| В | 235 | 288 | 350 |
| D | 150 | 200 | 250 |
| Н | 153 | 213 | 261 |
| K | 60 | 68 | 80 |
| P | 78 | 96 | 96 |
| U | 94 | 112 | 112 |
| V | 106 | 124 | 124 |
| 0 | 192 | 242 | 308 |
| Q | 235 | 288 | 352 |
| C | 200 | 260 | 310 |
| N | 279.8 | 363.5 | 453 |
| T | 261 | 311 | 316 |
| L | 658.3 | 818 | 990 |

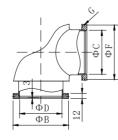
FLANGE SIZE



| | | KF flange | | |
|----|------|-----------|------|------|
| DN | 16 | 25 | 40 | 50 |
| В | 30 | 40 | 55 | 75 |
| C | 17.2 | 26.2 | 41.2 | 52.2 |
| D | 16 | 25 | 40 | 50 |
| | | | | |

KF flange





GB-LP flange

| | | LF flange | | | |
|----|-----|-----------|-----|-----|-----|
| DN | 63 | 100 | 160 | 200 | 250 |
| В | 95 | 130 | 180 | 240 | 290 |
| C | 70 | 102 | 153 | 213 | 261 |
| D | 63 | 99 | 153 | 200 | 250 |
| E | - | - | - | - | - |
| F | 92 | 127 | 175 | 235 | 285 |
| G | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 |
| | | | | | |

| GB-LP flange | | | | | | |
|--------------|-----|-----|-----|-----|-----|--|
| DN | 63 | 100 | 160 | 200 | 250 | |
| В | 95 | 130 | 180 | 240 | 290 | |
| C | 68 | 105 | 165 | 208 | 258 | |
| D | 63 | 99 | 153 | 200 | 250 | |
| Е | 2.4 | 2.4 | 2.4 | 3.6 | 3.6 | |
| F | 92 | 127 | 175 | 235 | 285 | |
| G | 1.5 | 1.5 | 2.5 | 2.5 | 2.5 | |

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OIL / VACUUM FLANGE AND FITTING

VACUUM PUMP OIL

BSO-46 is used for Roots vacuum pumps; BSO-55/68 is used for two-stage oil rotary vane vacuum pumps; BSO-100 is used for single-stage oil rotary vane vacuum pumps.









BSO46

BSO55

BSO68 BSO100

OIL MIST FILTER

When the oil rotary vacuum pump is operated at atmospheric pressure or under low vacuum, the oil will be discharged together with the gas which has been pumped. This kind of exhaust gas is composed of many tiny oil droplets, and exhausted in the form of smoke through the pump outlet. The oil mist filter is used to ensure a clean environment to protect the equipment from oil mist pollution.







| MODEL | | BSF6 | BSF10 | BSF16B | BSF30B | BSF120B |
|---------------------------------------|---------------|----------|----------|------------------------------|---------------------------------|------------------|
| Filter Model | L | 6 | 10 | 16 | 30 | 4*100 |
| Maximum Processing Flow | m^3/h (L/s) | 21.6 (6) | 36 (10) | 57.6 (16) | 108 (30) | 1600 (400) |
| Air Inlet | | KF25 | KF25 | KF40 | KF40 | VF50 |
| Exhaust Vent | | KF25 | KF25 | KF40 | KF40 | ⊘ 50 |
| Applicable Pump | | DRV3/5 | DRV10/16 | DRV24 DRV30/40(underload) | DRV30/40(high load) DRV60/90 | DRV175 DRV275 |
| Weight (Flow at atmospheric pressure) | kg | 0.32 | 0.98 | 1.5 | 2.1 | 30 |

VACUUM FLANGE AND FITTING





Note: The following illustration shows that some products are subject to various standard and non-standard product customization.

| | | _ | |
|-------------------------------------|------------------|---|----------------|
| -30B | BSF120B | _ | |
| 30 | 4*100 | | |
| 3 (30) | 1600 (400) | | |
| F40 | VF50 | _ | |
| F40 | ⊘ 50 | | |
| (high load) 60/90 | DRV175 DRV275 | _ | |
| 2.1 | 30 | _ | |
| | | | |
| | | | |
| | | _ | |
| | | | |
| me products are s sustomization. | subject to | _ | |
| | OSI VACUUM | • | D BAOSI VACUUM |

MEMORANDUM