

# GOL PUMPS

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G.P.T.CO



## GBS - Manual Blower

# BLOWER INSTRUCTION MANUAL

## 1. Blower Inspection

- A. Verify that the model, HP or KW, voltage, phase and hertz on the motor nameplate match the installation requirements.
- B. Check that the blower is not damaged or deformation during the transportation.
- C. Measure insulation resistance using a 500 or 1000 volt DC megohmmeter from each lead wire to the motor frame. Resistance should be at least 200 megohms without drop cable.

## 2. Storage

- A. Safekeeping under original packing  
Keep in the dry space, and make sure the room temperature is in small variance.
- B. Safekeeping under installation  
Cover the entire blower with the sealer of the plastic cloth to prevent from penetration of moisture and foreign substance. And, to prevent rust of bearing, be sure to operate the blower 30 sec or rotate by hand 15 rounds once every 60 days.

## 3. Installation

- *Installation site*
  - A. The ambient temperature of the installation site should be under 40 °C
  - B. Ensure at all times the installation provides adequate motor cooling
  - C. The site should be with good ventilation , less dust, and humidity.
- *Installation notice*
  - A. Secure with screw on leveling and hard foundation or base. If the base is uneven, the blower stand may be deformed during fixing of screw.
  - B. The Blower should be assembled in the horizontal position to prevent stress on the impeller and rotor shaft.
  - C. In case of free air intake, please put an additional iron wire net mesh to prevent from penetration of risky object or foreign substance.

## 4. Piping

- A. Connect pipes directly on blower in conformity with center. Do not apply any tension on the blower
- B. Please do not add any weight of pipes on the flanges of blower.
- C. Please use the flexible joint to conduct hot air to avoid the effect of thermal expansion.
- D. Please apply toward the direction of blower to avoid sudden shrinkage, enlargement or bending .etc.

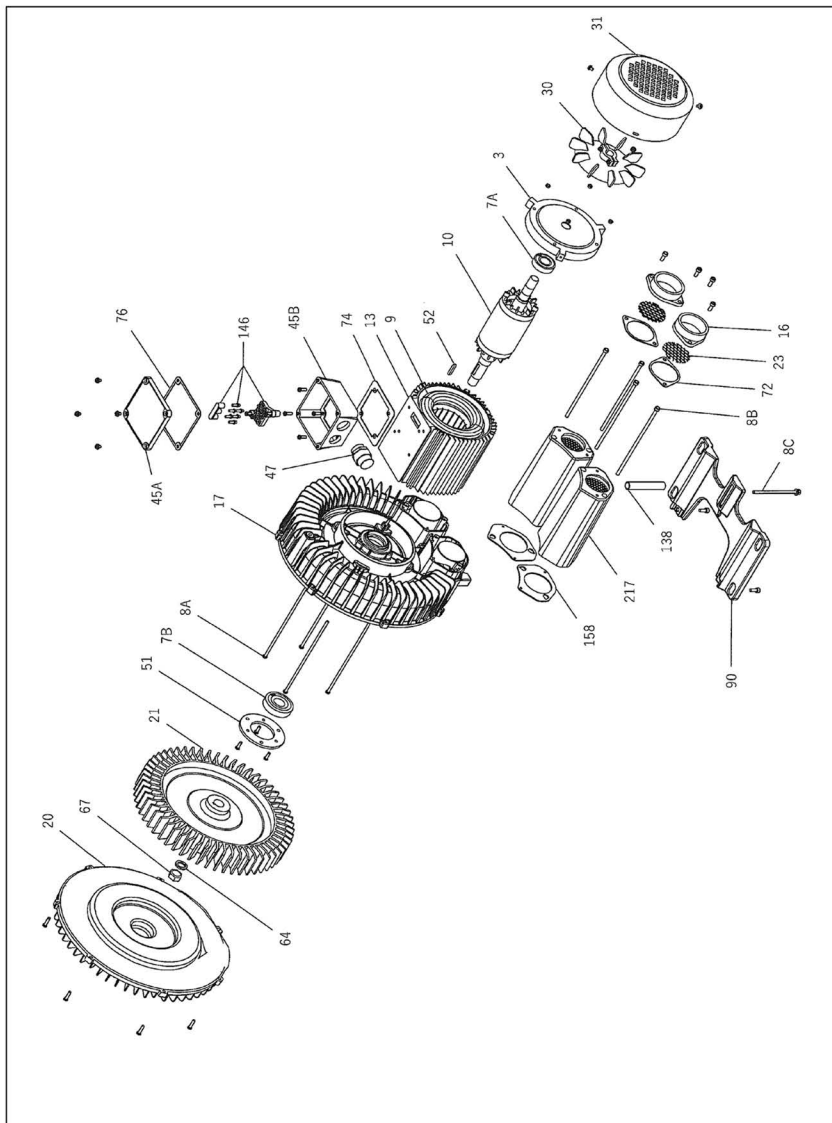
## 5. Power Supply and Controls

- A. Verify that the power supply voltage, hertz, and KVA capacity match motor requirements.
- B. Check that the electrical installation and controls meet all safety regulations and match the motor requirements, including fuse or circuit breaker size and motor overload protection. Connect all metal plumbing and electrical enclosures to the power supply ground to prevent shock hazard. Comply with national and local codes.
- C. Check all electrical and water line connections and parts before starting the pump.
- D. Start the blower and check motor amps and blower delivery. If normal, continue to run the blower until delivery is stable. If three phase blower delivery is low, it may be running backward. Rotation may reversed (with power off) by interchanging any two motor lead connections to the power supply.
- E. Check three phase motors for current balance within 5% of average. Imbalance over 5% will cause higher motor temperatures and may cause overload trip, vibration, and reduced life.
- F. Verify that starting, running and stopping cause no significant vibration or pressure shocks.
- G. After at least 15 minutes running time, verify that pump output, electrical input, pumping level, and other characteristics are stable and as specified.

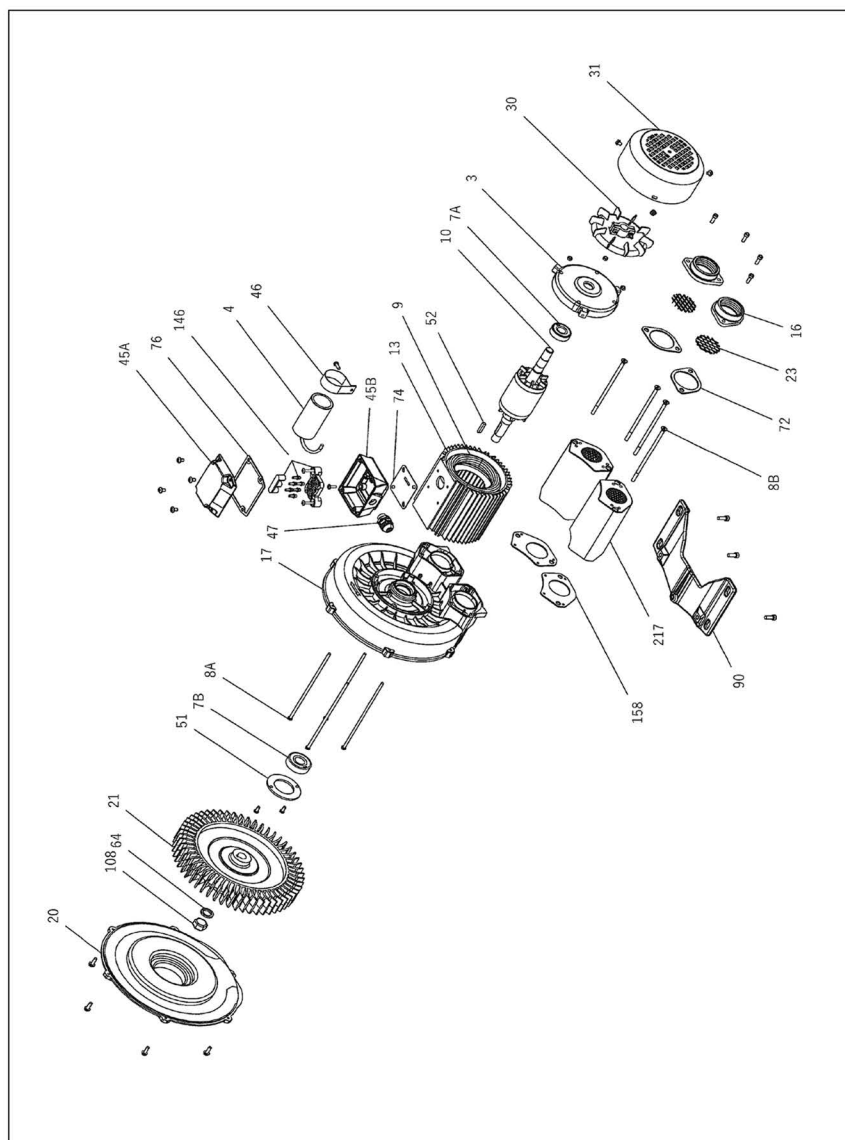
## 6. Maintenance & Inspection

Too much dust on the blower will cause the impeller to wear out, and housing to be erodent. . Regular maintenance and inspection for vibration, noise, insulation .etc should be done every month. A suitable cleaning procedure should be made during the maintenance.

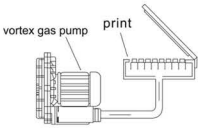
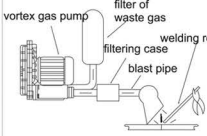
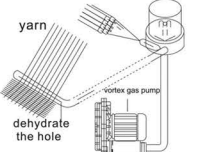
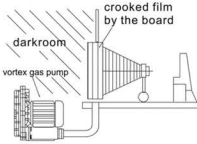
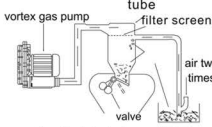
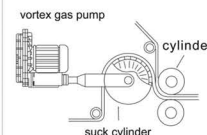
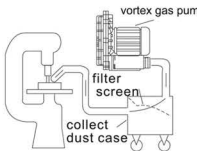
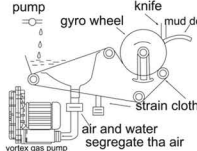
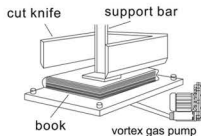
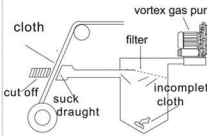
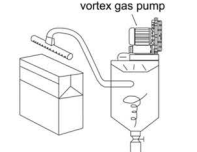
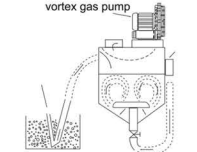
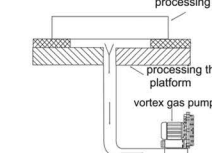
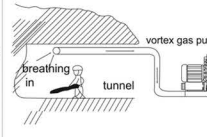
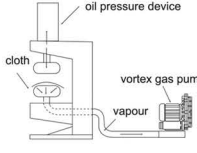
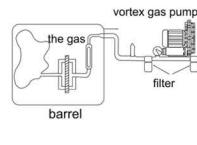
# ■EXPLOEDE DIAGRAM GBS(3 PHASE)

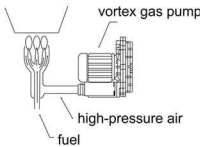
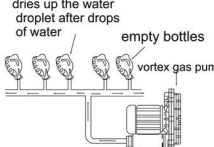
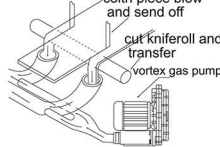
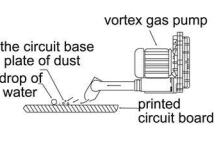
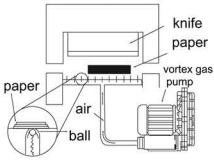
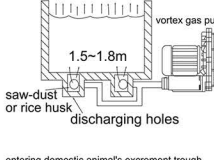
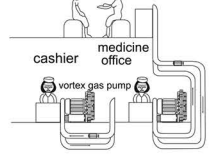
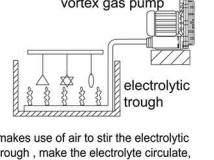
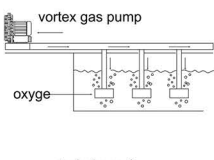
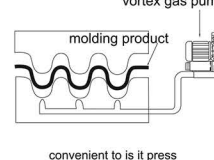
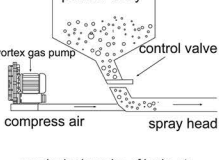
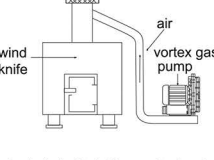
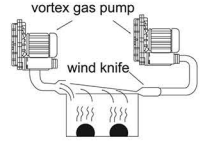
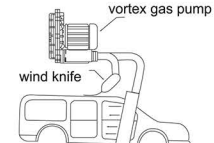
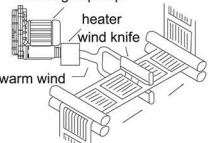
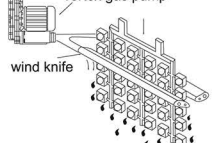


# ■EXPLOEDE DIAGRAM GBS(1 PHASE)



NO.	NAME OF PARTS	QTY.	REMARK	NO.	NAME OF PARTS	QTY.	REMARK
3	MOTOR HEAD COVER	1		45A	TERMINAL BOX COVER	1	
4	CAPACITOR	1	SINGLE PHASE ONLY	45B	TERMINAL BOX COVER	1	
7A	BEARING	1		46	CAPACITOR FIXED	1	SINGLE PHASE ONLY
7B	BEARING	1		47	CABLE FIXED	1	
8A	BOLT	4		51	BEARING COVER	1	
8B	BOLT	4		52	KEY	1	
8C	BOLT	1		64	SPRING WASHER	1	
9	COIL+STATOR	1		67	IMPERIAL NUT	1	
10	SHAFT+ROTOR	1		72	OUTLET RUBBER	2	
13	MOTOR CASING	1		74	OUTLET RUBBER	1	
16	FLANGE SETTER	2		76	CAPACITOR RUBBER	1	
17	MOTOR LOWER COVER	1		90	MOTOR BASE	1	
20	BLOWER CASING	1		138	SLEEVE	1	
21	IMPELLER	1		146	TERMINAL BLOCK	1	
23	STRAINER	2		158	GASKET	2	
30	COOLING FAN	1		217	SILENCER	1	
31	FAN COVER	1					

<p><b>The sucking of the printing machine of network edition</b></p>  <p>printed matter utilize the pressure of sucking to be regular, in order to make it easy for print.</p>	<p><b>Eject the exhaust gas and dust produced while welding drawing</b></p>  <p>acuum way is arranged to the elsewhere, ensure operators to be healthy.</p>	<p><b>The weave cotton machine suck silk</b></p>  <p>absorb the moisture content and regular end of a thread, improve the quality and efficiency of the products.</p>	<p><b>Photo-engraving</b></p>  <p>make use of vacuum suction to keep films, make it smooth, is suitable for photo-engraving industry.</p>
<p><b>The powder body transports</b></p>  <p>granular object, for instance plastic raw materials, etc., can make use of the atmospheric pressure (blows) or the vacuum suction to accomplish the task of sending.</p>	<p><b>Print suck</b></p>  <p>vacuum suck printing paper is it transfer by molding.</p>	<p><b>Industry hoover</b></p>  <p>in the factory for bits platform of remaining etc., it is the all right it have Fig. it have the clean the ways.</p>	<p><b>Vacuum dehydrate</b></p>  <p>the paper pulp dehydrates, pollution dehydrates, the cloth dehydrates etc.</p>
<p><b>Make books machine</b></p>  <p>cut off books when keep sucking.</p>	<p><b>Incomplete cloth deal with</b></p>  <p>cloth cutting treatment</p>	<p><b>Ox milk paper carton filling machine</b></p>  <p>ox milk vacuum that box is fill attract and utilize.</p>	<p><b>Bean curd machinery</b></p>  <p>tracting the soybean wheel to give, clean and use to cleaning the trough.</p>
<p><b>Keeping processing</b></p>  <p>block of processing thing, plastic, etc. using regularly for some un-magnetism object's fixing.</p>	<p><b>Defence works scene</b></p>  <p>for remove the part of the tunnel and narrow and small part's dust and poisonous gas.</p>	<p><b>Iron cloth machine</b></p>  <p>spend to discharge the vapour when ironing cloth.</p>	<p><b>The gas resolves</b></p>  <p>using the attraction of the gas resolves device.</p>

<p><b>The gas and heavy oil gush out firing</b></p>  <p>high wind pressure (2,000mmAq) and enough wind amount, can lighten your reliance to the air compressor horizontal.</p>	<p><b>Wash the bottle machine and dries up</b></p>  <p>empty bottle of beverage are water-washed, suitable for the food industry.</p>	<p><b>Can collect all the bits automatically after cut the Paper</b></p>  <p>plastic, cloth, paper, etc., out.</p>	<p><b>It is dry to use the air knife</b></p>  <p>electron industry can make use of forced draught blower to blowdown the small dust and water droplet.</p>
<p><b>Air cushion</b></p>  <p>increasing the buoyancy, easy to move.</p>	<p><b>The domestic animal excrement ferments' fierceness gas</b></p>  <p>entering domestic animal's excrement trough flirtatiously with the high-pressure air, it is exposed to the area to increase domestic animal excrement and air. Also suitable for the sewage disposal of the public hazards.</p>	<p><b>Subpoena transport</b></p>  <p>it regards air as motive force to be fast also really to transport file.</p>	<p><b>The electrolytic liquid mix round</b></p>  <p>makes use of air to stir the electrolytic trough, make the electrolyte circulate, and repel adhering to the bubble and make electroplate rapidly, the result is even. (export holes with the best of 4mm)</p>
<p><b>The oxygen supply in breed aquatics</b></p>  <p>water in the pool.</p>	<p><b>Puncher machine</b></p>  <p>convenient to it is press product of taking shape after to take out.</p>	<p><b>Powder body transport</b></p>  <p>powder body grains of body, etc. air of raw materials transport.</p>	<p><b>Combustion-supporting discharge with the waste gas of the incinerator</b></p>  <p>atmospheric help blaze and exhaust</p>
<p><b>The exhaust gas blows smoking</b></p>  <p>discharging rapidly by the scattered exhaust gas that appears, so as not to cause pollution.</p>	<p><b>Wash the car and dry up</b></p>  <p>blow the moisture content to dry after having car machine washing.</p>	<p><b>Print and force dryness</b></p>  <p>enabling the printing color to dry fast.</p>	<p><b>Dry up after cleaning</b></p>  <p>moisture content or oil gas after cleaning break away from articles rapidly.</p>



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