Introduction:

SB Series Electric Transfer Pump is a kind of barrel pump, it is easy to use and maintenance, and high efficiency. SB Series Electri Transfer Pump can put the tube into the drum to pump liquid. It is widely used to transfer acid, alkali, oil and drink, and some low-viscosity liquid in industry of chemical plant, petrochemical industry, Fine Chemicals, dye chemical, water treatment and food section etc. SB Series Electric Transfer Pump is also an ideal oil transfer tool in oil station, oil tanker, ship, truck etc.

According to different liquid, the pump tube material can be aluminum alloy or stainless stell. The electric motor can be ex-proof motor or standard normal motor. There are 3 series and 12 models according to different material and motor type.

Specification:

Type	Flow (L/min)	Head (M)	Power (kw)	Speed (r/min)	Feeding pipe material	Blade, Interface/ material	Inlet/Outlet Dia. (mm)	Weight (kg)
SB-1	130	7.5	1.1	10000	ss	Plastic	50/25	7.8
SB-1-1	110	7.5	0.88	10000	ss	Plastic	50/25	7.5
SB-1-2	130	7.5	1.1	10000	ss	ss	50/25	8
SB-1-3	110	7.5	0.88	10000	ss	ss	50/25	7.8
SB-2	130	7.5	1.1	10000	Aluminium alloy	Plastic	50/25	5.5
SB-2-1	110	7.5	0.88	10000	Aluminium alloy	Plastic	50/25	5.3
SB-3	150	10	0.88	12000	ss	Plastic	50/25	9
SB-3-1	150	10	0.88	12000	ss	ss	50/25	9.5
SB-3RPP-50	150	10	0.88	12000	PP	PP	50/25	10
SB-4	150	10	0.88	12000	Aluminium alloy	Plastic	50/25	7.5
SB-6	100	7	0.55	8000	ss	ss	41/25	5.7
SB-7	100	7	0.55	8000	ss	Plastic	41/25	5.5
SB-8	100	7	0.55	8000	Aluminium alloy	Plastic	41/25	3.8

Operation Instruction:

(一) Safety Instruction:

1. The voltage can be ±10% of rated 220V voltage.
2. Make sure the electric cable is not in water or oil surface. When using this pump, do not destroy electric cable, and keep the switch contact with oil or water.
3. To avoid start suddenly, the switch of Ex-proof motorshould be "off" mode. The normal motor can not work at flammability air and corrosive air condition.
4. Do not use electric cable abusely. Do not change or spreade cable optionally.
5. Equip with correct socket. The Ex-proof motor do not have socket, you need to choose one as you need. There are two important point:
   (1). If it used under flammability and explosive condition, the socket must meet Ex-proof standard. If it is used faw away from flammability and explosive condition, the socket can be 220V, 5A triangle socket.
   (2). No matter what kind of socket used, it must be sure that socket should be earthing, the yellow-green centre yarn is earth lead.
6. Taboo Condition: Under special condition such as wet, strom wind or snow and corrosive air condition.

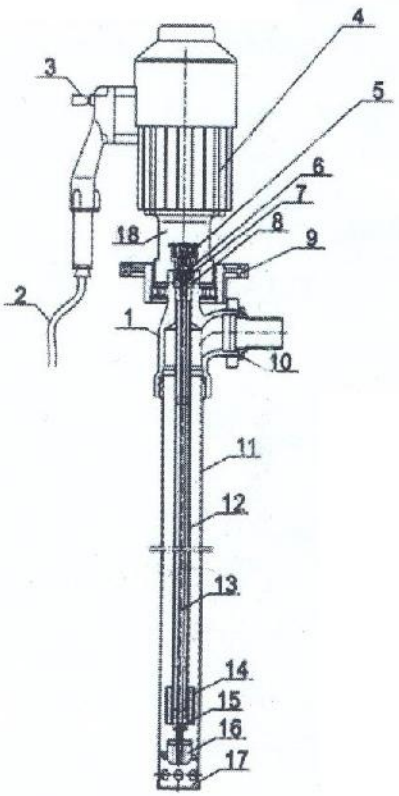
(二) Using Help:

1. Using rated voltage: 220V or ±10% of rated 220V
2. How to install: open the carton and install accerding to the structure drawing, to connect motor(4) and screw down, then to lockin the handwheel(9). Make sure the motor and pump body connected tightening. Then lockin the outlet (10)
3. To check all parts are good before using it.
4. It is not good for idling. It should stop immediately when pumping stops, or it will increase the fray of impeller and shaft. Even it can destory the pump tube.
5. Change brush timely. If not, the motor will be destroied.
6. It can not work under following conditions:
   a. The insulate of electric wire is destroied.
   b. The jacket of electric wire is destroied.
   c. The plug and socket is crazed or poor contacted
   d. The motor cover is destroied.

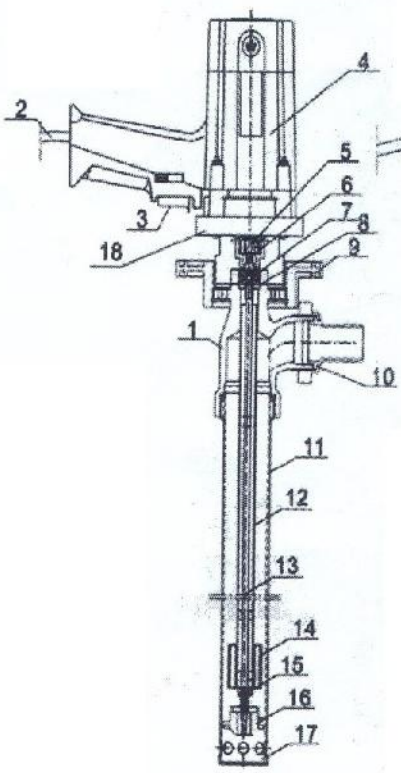
Maintenance:

1. Add lipoid very offen. The electric transfer pump works at high-speed, the lubricant lipoid can be volatilization easily, so, the lipoid shoud be changed offten.
2. To check all parts are connected well or not offten.
3. Pay attention to insulating resistance
4. Keep the pump away from wet environment and corrosive air condition.

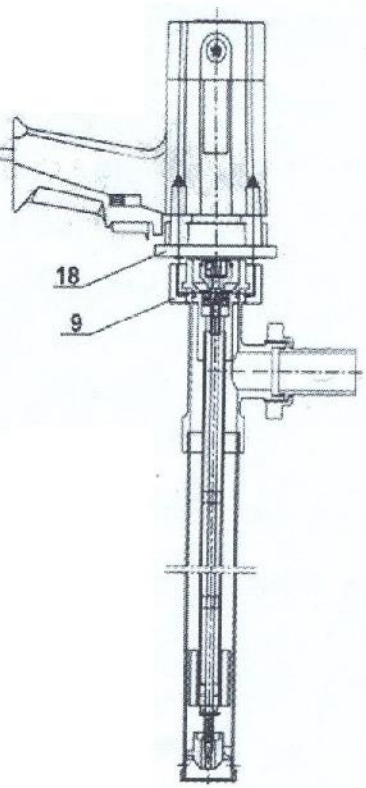
Structure Drawing



SB-3
SB-3-1
SB-4

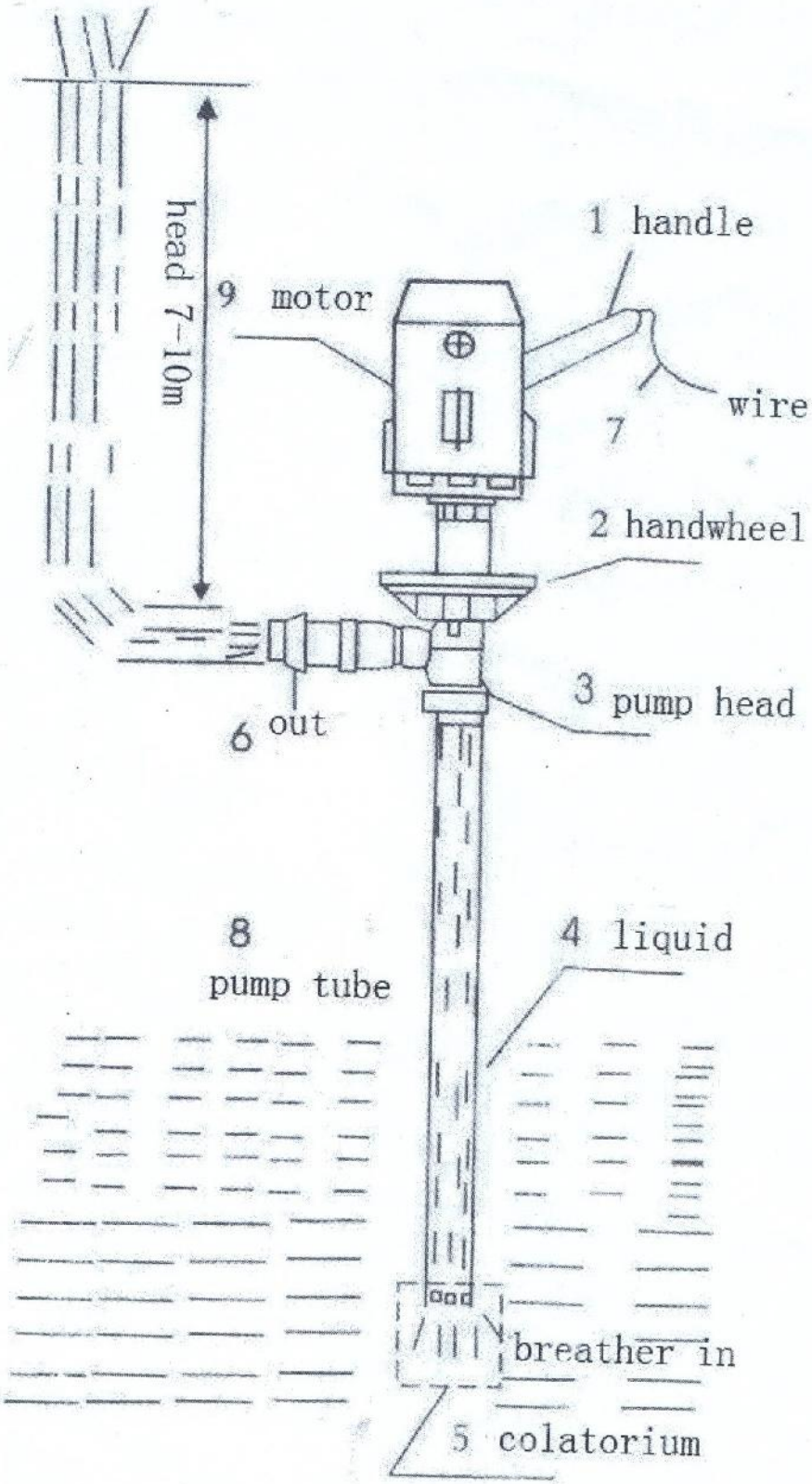


SB-1
SB-1-2
SB-1-1
SB-1-3
SB-2
SB-2-1



SB-6
SB-7
SB-8

1	pump head tee	7	deep groove ball bearing	13	shaft
2	electric cable	8	reinforced seal	14	SHELF BRACKET
3	switch	9	locking handwheel	15	reinforced seal
4	electric motor	10	locking outlet	16	impeller
5	shaft joint	11	external pipe	17	dust gauze
6	minor axis	12	shaft housing	18	motor cover


head 7-10m
1 handle
9 motor
wire
7
2 handwheel
3 pump head
6 out
8
pump tube
4 liquid
breather in
5 colatorium

Fault Resolution:

Possible Fault	Reason	Resolution
1. The motor do not work	1. The power is cut down 2. The switch is poor connected. 3. Electric brush is destroied. 4. The stator coil is turnoff	1. repair power supply 2. repair or change a new switch. 3. change electric brush 4. rewind loops.
2. Abnormal noise	1. The switch is destroied 2. Mechanical parts destroied 3. There are sundries in inlet tube 4. The voltage is low	1. repair or change a new switch 2. check the mechanical parts 3. clear sundries 4. change power supply
3. The motor is rotation but the shaft not	1. shaft joint is destroied 2. the screw thread of shaft is snapped	1. change another shaft joint 2. change shaft