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# BRAKE DUST COLLECTOR MANUAL

## Product brief introduction

Brake dust collector is designed according to the special request of the hydraulic turbine generator's braking system under braking condition, dust characteristics. It is small in size and highly active in purge.

## Main technique parameter

Electrical source of motor	380-400V. 3P /50Hz/
Normal power of the Vacuum pump:(W)	2200W
Normal electricity of the Vacuum pump:(A)	5.6A
Normal maximum air flux of the Vacuum pump: ( M <sup>3</sup> /H )	300
Normal maximum vacuum factor of the Vacuum pump:(mbar )	230
Work-piece weight:(KG)	95
Noise of the vacuum pump :db(A)	72
Capacity: ( L )	20
Size:(MM)	802*368*700mm ( H )
If the above parameter has any alteration, it should be subject to actual parameter.	

## Equipment setting

1. Fasten the dust collector to the floor with anchor bolt, 4-M12, insuring the equipment plumb to the floor.
2. Turn on the triphase electrical source.
3. Checking the blower fan's turning: turn on the electrical source, then examine the blower fan's turning. The turning of the blower fan should accord with the direction signed. If the turning is not right, shut down the electrical source, then adjust the phase order.

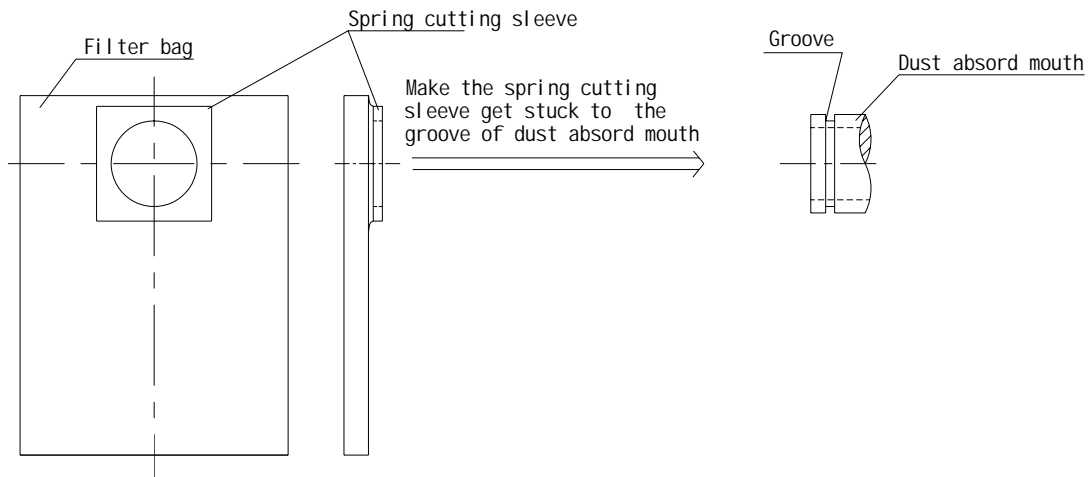


## Notice proceeding

1. To move the equipment should be handled with care.
2. After the equipment is set, the blower fan's turning should be checked.
3. When the equipment is working, to open the seal tache must be strictly prohibited.
4. When the equipment is working, if there is abnormal sound and smell, shut down the power immediately and check it in time.
5. Open the top cover to clean out the dust periodically and clean up the filter in time.
6. The Dust collector can't be used for the combustile explosive, causticity, volatile and radioactive mill dust and gas.
7. Don't use the equipment in the state of combustile explosive mill dust and gas.
8. Inhalational object's surface temperature should be less than or equal to 60. Don't collect liquid.
9. Forbid to clean, disassemble and maintain the equipment with electricity. Otherwise it is dangerous to get an electric shock.

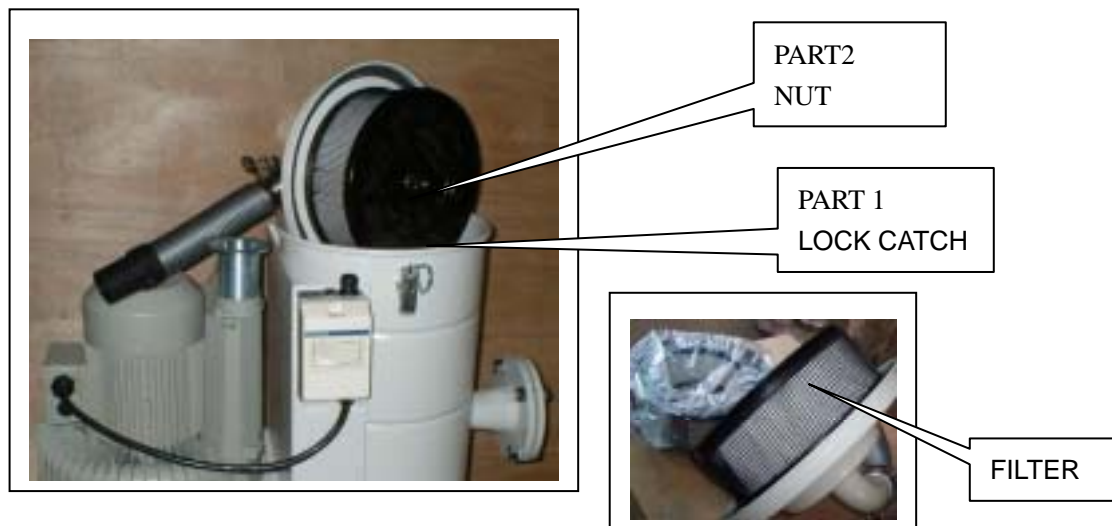
10. The equipment can't used for the outdoors place.

### Filter bag setting sketch map:



### Filter replacing :

1. It is suggested to exchange the highly active filter every 24 months under the condition of normal usage or according to the usage circumstance and related provision.
2. If there is damaged, replace it in time (at any time).
3. Filter replacing step : loosen dust collector tub lock-catch ( Picture part1 ) ——loosen filter impacting nut ( Picture part2 ) ——unpack old filter to set new filter.



### Servicing and maintaining account:

1. When clean enginery' crust, replace part or change working state, shut down and pull out electrical source plugs from power supply. Check electrical source line periodically to determine whether it has been mangled.
2. When replace or reset electrical source, on-off, plug and jack, must insuring safety.
3. The enginery depositing : When the enginery isn't unused, deposit it in the dry room.
4. Replace paper dust-bag, it'll let dust collector preserve best working condition.
5. Keep the dust collector's crust cleaning anytime.

**Brake dust collector's fault judgement and servicing:**

<b>FAULT</b>	<b>CAUSE</b>	<b>PROCESSING METHOD</b>
The motor of the Vacuum pump failed to start	Without voltage	<ul style="list-style-type: none"> <li>● Check cable-line, plug, insurance, jack</li> </ul>
	On-off setting incorrectness	<ul style="list-style-type: none"> <li>● Open the electric engine on-off</li> </ul>
The motor of the Vacuum pump reverse	Live wire reverse connect	<ul style="list-style-type: none"> <li>● Replace the position of two radices of live wire in plugs locality discretionarily</li> </ul>
Motor winding burn	Electricity exceed regulate load Lack phase Jam and form vacuum load for a long time	<ul style="list-style-type: none"> <li>● Check electrical source, voltage</li> <li>● Check cable-line, plug and jack</li> <li>● Motor mend</li> <li>● Refer to the disposal method for suction lowering</li> </ul>
Suction lower	dust absorption tube jamming , dust absorption tube mangling	<ul style="list-style-type: none"> <li>● Clean dust case</li> <li>● Purge stem off dust-collect bore</li> <li>● Change paper dust-bag</li> <li>● Clean or replace filter-bag</li> </ul>
When Absorbing dust, dust overflow	filter setting incorrect or mangle	<ul style="list-style-type: none"> <li>● Check the setting position of paper dust-bag</li> <li>● Check the setting position of filter</li> <li>● Lock the top of the dust absorption</li> <li>● Check the sealing element</li> </ul>

**Accessory:**

NAME	QTY.
Anchor bolt,M12	4
Filter spare part	1
Filter bag	4