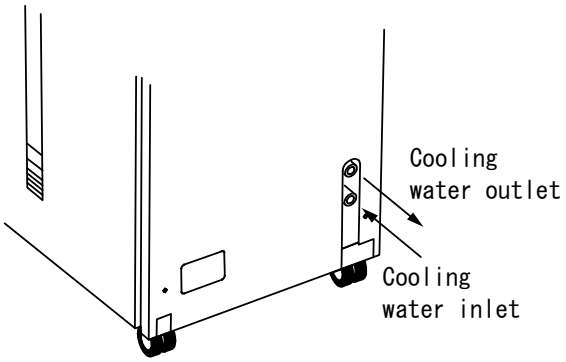
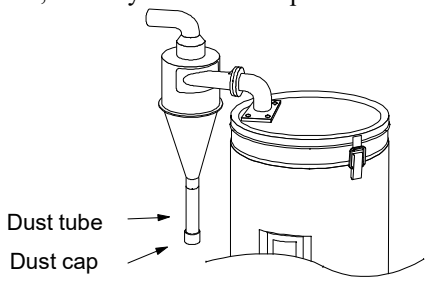
⚠ DANGER HOT!

After the unit operation stops, for a while, the hot condition continues.
Wait for maintenance and inspection until the unit gets cold (5 h are a standard in the nature cooling). And, even if the outside of the unit is cold,
be careful sufficiently because the inside and the dry material sometimes are in hot condition.

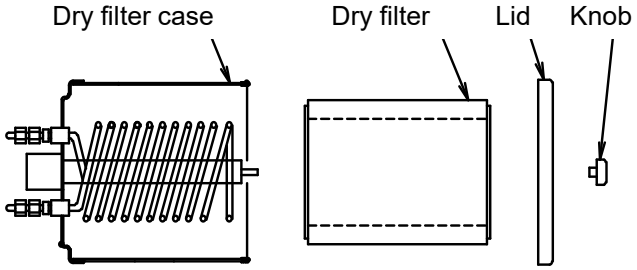
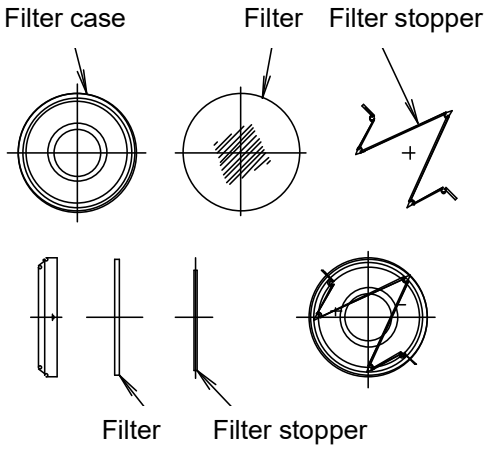
1. Daily maintenance

Maintenance item	Description
Confirmation of cooling water	Check cooling water inlet and outlet shown in Figure to see if cooling water is flowing. It is recommended to install flow meter for inspection of cooling water flow rate. **NOTE** If cooling water is not flowing, drying dew point temperature does not go down and causes inadequate drying. And it may not be set at low temperature. 
Removal of dust in dust tube	For one pass and semi-circulation specification; Remove dust remained in the dust tube as shown in Figure 69. Remove the dust cap under the dust tube to remove dust. ※ After dust removal, securely fit the dust cap. 

Maintenance item	Description
Confirmation of temperature	Confirm whether the dry temperature and regeneration temperature are controlled at the setting temperature of controller. ＜Confirming method＞ 【In case of dry temperature】 1. After pushing the [SV] switch of the controller once, do the『ＳＶ』indicator light up and confirm a setting value with dry temperature. ↓ 2. Pressing [SV] switch, do display the dry temperature and compare it with the setting value. ↓ 3. If the setting value is a degree as±2～3℃, the dry temperature is normal. 【In case of regeneration temperature】 1. Perform display the dry temperature on the controller indicator. ↓ 2. Press [RESET] and [SV] switches at the same time. During a switch is pushed, the actual temperature of regeneration side is displayed on the indicator. ↓ 3. If the regeneration temperature is a degree as 180～220°C, it is normal. At the temperature around, it changes in the temperature but it is not in the malfunction condition.
Confirming rotation of blower	【For the Regeneration blower】 Confirm that air swiftly comes out from the recycle exhaust port. ⚠ WARNING As powder and fragments of material may scatter at this time, please exercise caution and wear protective glasses and gloves when making confirmation.

2. Weekly maintenance

Maintenance item	Description
Removing and air leak of hose	Hose connecting dehumidifying unit and drying hopper (heat resistant hose) Check hoses between dehumidifying unit and drying hopper are not disconnected and check there is no air leak as shown in Figure. ※At time of the air leak, exchange to the new hose. [Example of the checking method for the air leak] In the checking method, hang a string or a thread near the hose. In the shaking condition of a string or a thread, the air leak can be confirmed.
Filter cleaning	⚠ CAUTION 1. Use a mask because the clinging particles of the filter spray the spraying clean of dry air in the air. 2. When a filter is clogged, it does the looseness of operation temperature and airflow rate. Then, be careful because it causes the fire. ※When a filter is clogged, remove a filter and blow clean dry air and remove clinging particles. ※With the around environment of the unit body, the dirty condition of filter changes. Perform the checking and cleaning. ※After check, set the filter in original condition and fasten surely. ※When the filter clogging is terrible, exchange for the new filter.
Electromagnetic switch unit and contact unit	Confirm whether or not there is not the dissolution and consumption in point of tact by installation the electromagnetic switch unit and contact unit on the control panel. ※When there is the dissolution and consumption of the setting, exchange a part. ⚠ CAUTION The check is after stop the unit, always, perform after turned “OFF” the power switch in the front.

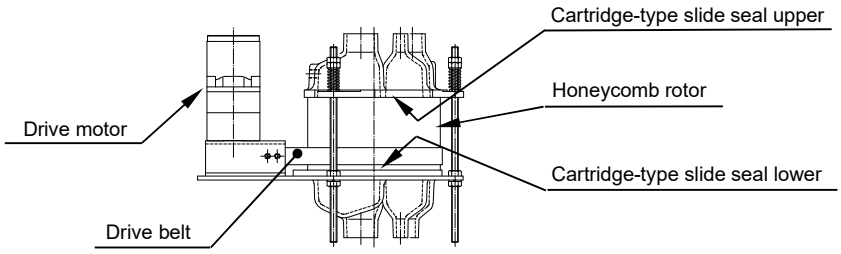
Maintenance item	Description
Dry filter cleaning	Removing a filter, check and clean up the filter clogging. [Resolution clean for the filter] 
Regeneration filter cleaning	Removing a filter, check and clean up the filter clogging. 
Cleaning of cooling water line	Clean the strainer of cooling water line of the equipment at your company. If cooling water does not run because of dust etc., drying dew point will not go down and this may cause inadequate drying. ⚠ CAUTION Strainer is not fitted to this equipment.

3. Monthly maintenance

Maintenance item	Description
Water leak due to cracks of cooling rubber hose	Check the surface of the cooling rubber hose for cracks due to aging. If the rubber hose is cracked, replace it with a new one as it may cause water leakage.
Rising fastens for the terminal	Confirm the loosening of the wiring connection part of the electronics equipment inside the control panel and in the unit. And, perform the rising fastens in the connection part. ⚠ CAUTION The check is after stop the unit, always, perform after turned “OFF” the power switch in the front.

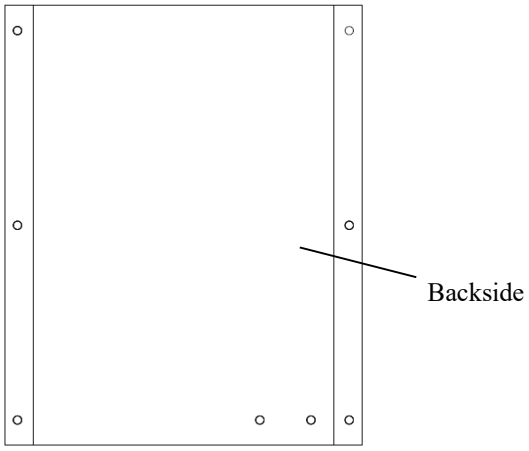
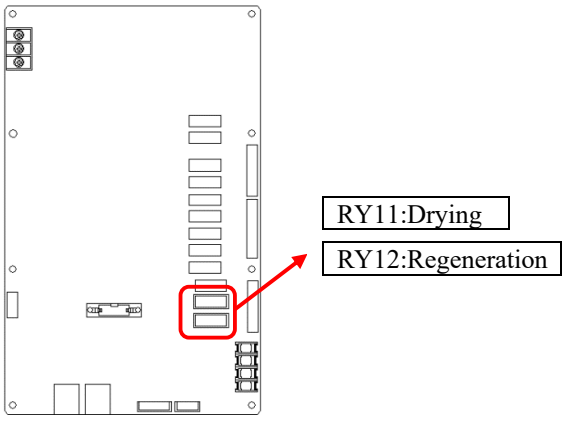
4. Every six months maintenance

Maintenance item	Description
Bolt and Nut in each unit part	Check about whether there is not loosening of bolt and Nut at each part of the unit. Then, perform rising fastens.
Honeycomb rotor	The functions on the use elapse doesn't decline if excluding the damage with outside power, the adhesion of high boiling point material and the foreign material mixing, etc. If the abnormal of the aggravation of dehumidifying air dew point, etc. doesn't occur; the replace is not the necessary.
Honeycomb rotor air seal	The air seal of the upper and lower of honeycomb rotor is the cartridge-type slide seal. Check the slide surface of the upper and lower of honeycomb rotor and recommend the replace of cartridge-type slide seal if the abnormal of air leak, etc. occurs. ⚠ CAUTION The honeycomb rotor is turning with low-speed. Seemingly, be careful sufficiently because it sometimes seems to stop. When checking while operating, be careful sufficiently because involve clothes and a finger, etc. in between drive belt and pulley, honeycomb rotor and other parts, etc.
Drive motor	The replace for drive motor is necessary if checking the drive motor and abnormal heat, noise, vibration, etc. are noticed. ⚠ CAUTION The honeycomb rotor is turning with low-speed. Seemingly, be careful sufficiently because it sometimes seems to stop. When checking while operating, be careful sufficiently because involve clothes and a finger, etc. in between drive belt and pulley, honeycomb rotor and other parts, etc.
Drive belt	The replace for drive belt is necessary if checking the drive belt and the abnormal of crack and gear's worn, etc. is noticed. ⚠ CAUTION When touching the drive belt, perform it after always stopping the operation and turn off the power.



NOTE: The technical knowledge and skill are necessary for repair and replace. Contact our service division if abnormal is noticed by the check.

5. Maintenance performed every year

Maintenance item	Description
Controller main circuit board	Replace the drying heater output relay. 1.Turn STOP the operation RUN/STOP switch of the device, and open the control panel of the device after turning “OFF” the power breaker on the right side of the control panel. ⇓  2. Remove the cover (screwed at three points) on the back side of the control panel. ⇓ 3.The second lowest relay is a relay for the drying heater. (RY2: Drying heater) ⇓  4. Remove the relay and replace with a new one. 5. Install the backside cover after replacement.