



**Total Environmental
Conditioning Solutions™**

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Desiccant Rotor Cleaning Instructions

Rotor Cleaning

Periodically, the rotor may need cleaning from accumulated dust and debris. Generally, air handlers are equipped with air pressure drop monitoring devices, which indicate pressure drop through the rotor. If the air pressure drop exceeds 125% of the "new" pressure drop (with the correct airflow measured), the rotor should be cleaned by the following methods:

1. Preferred Method - With the air handler secured, clean & dry 100 psi air should be directed into the rotor (as per the picture below) while personnel simultaneously vacuum the opposite side of the rotor to catch dust and debris. A standard shop vacuum, equipped with a rubber hose adapter is typical. The air nozzle admitting the 100 PSI air should never come closer than 1" to the face of the rotor. Be careful not to damage the rotor face with extreme air pressure or with the metal body of the air nozzle. Clean thoroughly until residue no longer comes from rotor. Appropriate confined space entry requirements (as applicable) should be observed when entering the air handler.



2. Water Wash Method - The rotor may be removed from the cassette and washed with non alkaline water. Essentially, the rotor is "dipped" into a suitable tank, and the water allowed to drain from the rotor. Subsequently, the rotor should be dried using 600 feet per minute velocity 200 degree (Fahrenheit) air until dry. Since wash water impurities may contaminate the desiccant surface of the rotor, and frequently a suitable drying oven is not available, this method is not recommended. Contact the factory for additional discussion prior to cleaning the rotor by this method.