

Maintenance

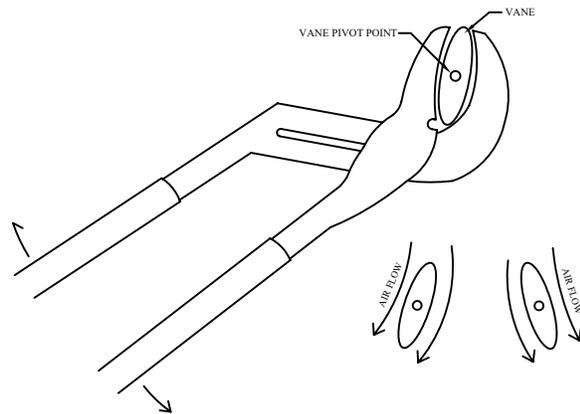
*Before any internal maintenance is performed be sure all power to unit is disconnected and locked out.

- Periodically clean return air screen and re-cleanable filter (if equipped). The interval in between cleanings will vary per location depending on the amount of particles in the air. The holes in the screen must be free from obstructions to ensure that the blowers can get enough air to function properly. To clean filter, simply flush with hot water or steam. Filters are made of rustproof aluminum or galvanized steel. After cleaning, allow the filter to dry before returning it to the unit.
- For units with a hot water or steam coil, while cleaning screens and/or filters, visually inspect the heat exchanger fins to ensure they are not clogged up or damaged.
- While doing routine maintenance, verify that the discharge steering vanes are adjusted properly. The steering vanes come pre-set from the factory and will not need adjusted in most cases. In some cases of extreme conditions such as that of high winds, the steering vanes can be adjusted to point further towards the outside to counteract the wind. For commercial units, this can be done by using pliers to grip the steering vane near the end on one side with a pair of pliers and rotate it in the direction that you want the air to flow. Repeat for the other side. The steering vane can be wrapped with a rag to prevent scratching. Industrial units that have more than one steering vane will have bolts at the ends of the vane assemblies that can be loosened on each side, then re-tightening once the vanes have been rotated.

Air Directional Adjustment:

Air curtain comes equipped with a steering vane in the discharge to allow for the outward adjustment of the discharge air direction. To adjust, first wrap a rag around the vane so it is not scratched. Grip the vane near the end on one side with a pair of channel locks and rotate it in the direction that you want the air to flow. Repeat for the other side.

Periodic cleaning of the steering vane may be required. To clean it just wipe it down with a damp rag.



- Periodically do a visual inspection on the unit to ensure that the unit is not damaged and is operating properly with all motors spinning.
- Most commercial units have single phase motors that are permanently lubricated, so there are not any fittings that need greased. Industrial units and most other units with 3-phase motors will need to have the motors greased annually under normal operating conditions. Under extreme operating conditions the motors will need greased more frequently; ranging between monthly and quarterly depending on the severity of the ambient environment. There are two grease fittings per motor.
- For indirect gas heated units, maintain the unit heater per the manufacturer's installation and maintenance manual provided with the heater.

*Note that the air curtain blowers are direct drive so there are no belts to maintain.