



Finish and Support Equipment Overview

Drying

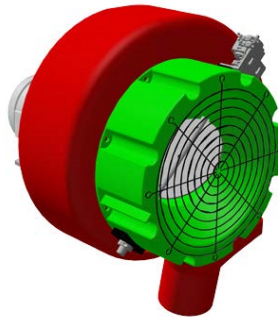
a. Car Wash Drying System

1) Styles

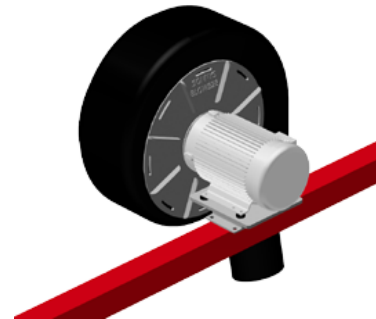
a) Mammoth Air Dryer



b) Gator™



c) Wet Environment



2) Description

- a) Designed to provide touch-free drying in minimal tunnel space using 15 hp (horsepower) motors to produce **4400 CFM** per producer.
- b) Can use from three to twelve producers mounted on one to six arches with varying configurations to accommodate space restrictions and production speeds.
- c) 10 hp motors produce 3,800 CFM (cubic feet per minute) may be used to lower utility costs with very little reduction in drying abilities.
- d) By utilizing variable frequency drives (VFDs) utility costs can be decreased without sacrificing any drying ability and the life span of motors can be increased.



Finish and Support Equipment Overview

e) **Red CW and Green CCW**

impellers and corresponding housings are available.

f) Flip blower outlet is also available for improved drying of vehicle rear and SUV's.

- g) Mammoth option is available to distribute air more evenly across the surface of the vehicles.
- h) Gator™ option eliminates the ramp-up time between vehicles, lowering your electrical usage without affecting the performance of your dryer.
- i) Wet environment option leverages gravity and inertia to deliver a dryer surface with less horsepower and utility consumption.

3) Adjustment

The only adjustment to be made to the drying system would be the positioning of the dryer nozzles which can be accomplished by moving the dryer mount.

4) Preventive Maintenance Requirements

a) **DAILY**

- (1) During Operational Checks, perform general examination of operation, listening for any unusual noises.
- (2) During Closing Checks, remove any debris from inlet screen.

b) **WEEKLY**

- (1) Close inspection of operating mechanisms for problems. If equipped, check the flip nozzles for proper operation.
- (2) If equipped with flip nozzles, spray lubricant on cylinder rod ends and clevises.

c) **MONTHLY**

- (1) If equipped, grease all bearings on the flip nozzles.
- (2) Check all hardware and fittings for tightness and clean thoroughly.
- (3) Remove inlet screen and clean the impellers thoroughly.

d) **SEMI-ANNUALLY**

- (1) Remove each impeller and clean out the buildup of dirt. Make sure to reinstall the impeller on the same motor it was removed from.



Finish and Support Equipment Overview

e) **ANNUALLY** (only applies if electrically

driven)

- (1) Have a licensed electrician measure and record, full load current readings from each of the three legs of each of the three phase electric motors.
 - (a) If the differential of current load exceeds 10% between the legs, or the balanced load current of all three legs has increased over 10% since the most recent measurements, order a replacement motor.
 - (b) Record readings in the annual log.
- (2) Grease all electric motors per manufacturers specifications.
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- (3) Grease all electric motors per manufacturers specifications.