

SPECIFICATION

PERFORATED FRONT SERIES – (FP SERIES)

The Model FP series ventilation canopies shall be the perforated metal front supply air discharge design as manufactured by Duo-Aire, Inc. and shall be of the following design:

Perforated front design shall be in wall (WFP), single island (SIFP), or double island (IFP) models. The ventilator shall be a modified double shell design, constructed of 18 gauge 300 series stainless steel. Stainless steel shall be of U.S. manufacture, and shall meet U.S. standards for gauge, thickness and alloy composition. The ventilator shall be U.L. listed/classified and shall be designed to introduce replacement supply air horizontally through the front perforated panel of the ventilator in a quantity equal to at least 80% of the volume of air to be exhausted.

The removable perforated panels mounted to ventilation front, shall provide up to 63% open area, dependent upon air flow requirements. Perforated baffle plates shall be mounted inside supply plenum and below the supply collar for even distribution of supply air. The supply air plenum shall also contain an air inlet collar, complete with U.L. Listed fire damper and air volume damper per requirements of N.F.P.A. 96.

The design exhaust CFM of the ventilator shall be sized per manufacturer's U.L. certification for test performance for either low, medium or high heat/high grease application. The combined airflow designs shall be verified by Underwriters Laboratories test results and manufacturer's listing requirements.

The ventilation canopy shall contain, as standard features, the following:

1. All stainless steel construction - all surfaces, exposed or non exposed shall be stainless steel.
2. Continuous welded external seams and corners, ground and polished to match adjacent metal finish.
3. A full complement of U.L. classified aluminum baffle type grease filters.
4. Stainless steel grease trough and grease cup, removable for easy cleaning.
5. U.L. listed incandescent lights, pre-wired to junction box on top of ventilator and control switch.
6. Face or side mounted control panel - stainless steel, with pre-wired switch for ventilator lights and pre-wired switch for exhaust and supply fan, with indicator lights.

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7. A three inch rear air space full length of ventilator.
8. Factory installed collars of either concentric or parallel design.

Other electrical switches and indicator lights, as required, shall be mounted and pre-wired in the control panel and permanently labeled for function and operation mode. All switches and indicator lights shall terminate in junction boxes on top of ventilator and shall be color coded and number keyed using a terminal strip.

All ventilators shall bear the U.L. label and NSF listing.

The ventilator shall conform to size and configuration as detailed on plans and shall meet performance requirements as scheduled.

Kitchen ventilation canopies of other manufacturer's differing in any aspect from this specification must be submitted for review and prior approval at least three (3) weeks prior to bid date, except that no manufacturer's ventilator shall be accepted if it deviates from the materials/construction requirement listed under "standard features".

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