

Captive-Aire Systems, Inc. Releases New ND Series Hood with AC-PSP Accessory

Product Overview

The ND Series with AC-PSP Accessory is a compensating wall canopy ventilator rated for all types of cooking equipment. It shall be capable of providing up to 80% make-up air in addition to tempered HVAC air through a dual air stream front perforated stainless steel plenum. The air-conditioned portion of the plenum shall be insulated to prevent condensation. The make-up air plenum shall be located nearest the hood and the air-conditioned plenum away from the hood. The make-up air stream and the air-conditioned air stream shall not be permitted to mix until leaving the dual plenum. The hood shall have size, shape and performance specified on drawings.

The AC-PSP consists of a 12" supply air plenum and a 6" AC plenum in one housing which delivers the AC where it is needed the most. This serves as a convenient termination for AC ductwork in the kitchen and this AC air does not interfere with the hoods capture and containment.



Product Features and Benefits

The hood shall have:

- A double wall insulated front to eliminate condensation and increase rigidity.
- An integral front baffle to direct grease laden vapors toward the exhaust filter bank.
- The grease drain system shall be an integral part of the hood back and have a minimum 1/8" per foot slope with an exposed, removable 1/2 pint grease cup to facilitate cleaning.

The front plenum shall provide make-up air through perforated stainless steel panels. Perforated diffuser plates shall be included in the design, to provide even air distribution and the plenum shall be insulated to prevent condensation.

The hood shall be ETL Listed as "Exhaust Hood Without Exhaust Damper", NSF Listed and built in accordance with NFPA 96. A built-in wiring chase shall be provided for outlets and electrical controls on the hood face and shall not penetrate the capture area or require an external chase way.

Optional Features

- Utility Cabinet
- Exhaust Fire Damper
- High Velocity Cartridge Filters
- End Panels
- Enclosure Panels

Bill Griffin
Research & Development

CAPTIVE-AIRE
America's *Leading Manufacturer*

of Commercial Kitchen Ventilation Equipment