**Specification**

**1.0 General**

**1.1** - Unit shall be Slimline ducted high efficiency ceiling module consisting of anodized aluminum frame, a galvanized back plate, 41-mm filter pack, polyurethane encapsulating sealant and dual access ports (for the adjustable model version only). Maximum module depth shall not exceed 4.73”.

**1.2** - Sizes shall be as noted on drawings or other supporting materials.

**2.0 Construction**

**2.1** - Filter housing shall be constructed of an anodized aluminum frame mated with a galvanized steel back plate. It shall be designed for installation into a T-Bar ceiling grid system.

**2.2** - The media pack shall have a maximum depth of 41-mm (1.61”) and shall have an efficiency of (95%, 99.99% @ 0.3 micron, 99.9995% @ MPPS).

**2.3** - Pleat spacing shall be by thermoplastic resin separators to prevent media-to-media contact and promote uniform airflow through the media pack.

**2.4** - The media pack shall be completely encapsulated in a polyurethane sealant creating a rigid self-supporting pack. The sealant shall be low out gassing, fire-resistant and self-extinguishing.

**2.5** - The adjustable airflow diffusion disc version is adjustable from the room side through an access port to allow balancing across multiple units throughout the clean room. A second port, accessible from the room side, shall be provided to allow aerosol test challenge measurement or pressure drop.

**2.6** - Housing shall be supplied with a (“10”, 12”) collar that includes an integral continuous raised ridge for duct side connection to air system.

**2.7** - Unit shall include an epoxy-coated steel face screen with a minimum 62% open area.

**3.0 Performance**

**3.1** - The filter shall be identified on a label indicating minimum efficiency, tested airflow and pressure drop. The unit shall be bar code serialized for individual unit identification.

**3.2** - The module shall be listed by Underwriters Laboratories as UL 900.

**3.3** - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

Items in parentheses ( ) require selection.

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