



## **Series 7950 – Specification**

### **Supply Diffusers - Perforated Modular Core - Square Neck - 4 Core/Series 7950**

#### ***Steel Aluminum Face - Steel Backpan***

7950-1 - Surface Mounted 7950-1 AF - Surface Mounted  
7950-1 DF - Surface Mounted-Dropped Face 7950-6 AF - T-bar Lay-in  
7950-6 - T-bar Lay-in 7950-8 AF - Tegalur T-bar  
7950-8 - Tegalur T-bar 7950-9 AF - Donn Finline  
7950-9 - Donn Finline

Air Outlets shall be steel model 7950 or aluminum face, steel backpan model 7950-AF manufactured by METALAIRES. Units shall consist of aluminum 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. The perforated face shall be hinged allowing access to four adjustable aluminum modular core pattern controllers mounted into the neck of the outlet. Steel modular cores deflectors are not acceptable. Face shall be secured in place with tension spring clips. Outlets shall be field adjustable allowing 1, 2-way opposite, 2-way corner, 3, and 4-way directional air patterns. The units shall be the size and quantity as outline in the plans and specifications. Units shall be designed to integrate into the specified ceiling system.

### **Square Neck Options and Accessories**

#### ***Opposed Blade Damper***

METALAIRES model OBDA aluminum or OBD steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a handle accessible by opening the face of the diffuser.

#### ***Equalizing Grid***

METALAIRES model L9 aluminum square equalizing grid shall be provided. Equalizing grid shall consist aluminum blades mounting in an aluminum frame.

### **Round Neck Optional Dampers and Accessories:**

#### ***Square to Round Transitions***

Units to have square to round transitions allowing installation with round ductwork.

#### ***Butterfly Damper***

METALAIRES model BDS aluminum round butterfly type dampers shall be provided. Damper shall consist of two butterfly style blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

#### ***Radial Shutter Damper***

METALAIRES model RSD steel round radial shutter damper shall be provided. Damper shall consist of gang operated radial blades that slide perpendicular to air flow direction. The damper shall be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

#### ***Opposed Blade Damper***

METALAIRES model D3 aluminum or SD3 steel round opposed blade type dampers shall be provided. Damper shall consist of gang operated blades that can be adjusted from full open to full closed. Damper shall be adjusted with a screw driver slot that can be assessed through the face of the diffuser.

#### ***Equalizing Grid***

METALAIRES model G3 aluminum round equalizing grid shall be provided. Equalizing grid shall consist of 1/2" x 1/2" x 1/2" aluminum cubed core mounting in an aluminum frame.

### **Performance Specification**

The manufacturer shall provide published performance data. Data shall be tested in accordance to ANSI/ASHRAE Standard 70-2006