

# METALAIRE™

## **Series 7500 – Specification**

### ***Supply – Perforated Face - Round Neck/Series 7500***

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

*7500-1 - Surface Mounted 7500-1 AF - Surface Mounted 7500-6 AL - T-bar Lay-in  
7500-1 DF - Surface Mounted-Dropped Face 7500-6 AF - T-bar Lay-in 7500-8 AL - Tegular T-bar  
7500-6 - T-bar Lay-in 7500-8 AF - Tegular T-bar  
7500-8 - Tegular T-bar 7500-9 AF - Donn Finline  
7500-9 - Donn Finline*

#### ***Round neck units***

Air Outlets shall be steel model 7500 or aluminum face, steel backpan model 7500-AF or all aluminum model 7500-AL manufactured by METALAIRE.

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 pattern controllers mounted onto the inside face of the outlet. Face shall be secured in place with tension spring clips. Pattern controller blades shall be individually adjustable and allow the discharge pattern to be adjustable from vertical to horizontal.

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.

### ***Return - Return or Exhaust – Perforated Face - Round Neck/Series 7500R***

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

*7500R-1 - Surface Mounted 7500R-1 AF - Surface Mounted 7500R-6 AL- T-bar Lay-in  
7500R-1 DF - Surface Mounted-Dropped Face 7500R-6 AF - T-bar Lay-in 7500R-8 AL- Tegular T-bar  
7500R-6 - T-bar Lay-in 7500R-8 AF - Tegular T-bar  
7500R-8 - Tegular T-bar 7500R-9 AF - Donn Finline  
7500R-9 - Donn Finline*

#### ***Round neck units***

Air Inlets shall be steel model 7500R or aluminum face, steel backpan model 7500R-AF or all aluminum model 7500R-AL manufactured by METALAIRE.

Units shall consist of aluminum 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. Units shall be designed for use in ducted return or exhaust applications.

The perforated face shall be hinged allowing access to the inside of the packpan. Face shall be secured in place with tension spring clips.

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.

## **Optional Dampers and Accessories**

### ***Butterfly Damper***

METALAIRE 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***

METALAIRE 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***

METALAIRE 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***

METALAIRE 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