

METALAIRE™

Series 7600 – Specification

Supply - Perforated Diffuser - Adjustable Neck Mounted Curved Blade Pattern Controllers - Round Neck/Series 7600

Steel Aluminum Face - Steel Backpan Aluminum

7600-1 - Surface Mounted 7600-1 AF - Surface Mounted 7600-6 AL - T-bar Lay-in
7600-1 DF - Surface Mounted-Dropped Face 7600-6 AF - T-bar Lay-in 7600-6 AL - Tegalur T-bar
7600-6 - T-bar Lay-in 7600-8 AF - Tegalur T-bar
7600-8 - Tegalur T-bar 7600-9 AF - Donn Finline
7600-9 - Donn Finline

Air Outlets shall be steel model 7600 or aluminum face, steel backpan model 7600-AF or all aluminum model 7600-AL manufactured by METALAIRE.

Units shall consist of a 51% free area perforated face with 3/16" diameter perforated holes on 1/4" staggered centers. The perforated face shall be removable allowing access to aluminum curved blade pattern with tension spring clips. Pattern controller blades shall be individually adjustable and allow the discharge pattern to be adjustable from vertical to horizontal. Pattern controller blades shall pivot in adjustable from vertical to horizontal. Pattern controller blades shall pivot in friction mounting retainers. Retainers shall hold the deflector blade position throughout the specified operating range of the device. Metal friction wires are not acceptable.

Outlets shall be available in 1, 2-way opposite, 2-way corner, 3, and 4-way directional air patterns.

Return - Perforated Diffuser - Round Neck - 12" x 12"/24" x 24" Module/Series 7600

Steel Aluminum Face - Steel Backpan Aluminum

7600R-1 - Surface Mounted 7600R-1 AF - Surface Mounted 7600R-6 AL - T-bar Lay-in
7600R-1 DF - Surface Mounted-Dropped Face 7600R-6 AF - T-bar Lay-in 7600R-6 AL - Tegalur T-bar
7600R-6 - T-bar Lay-in 7600R-8 AF - Tegalur T-bar
7600R-8 - Tegalur T-bar 7600R-9 AF - Donn Finline
7600R-9 - Donn Finline

Air Inlets shall be steel model 7600R or aluminum face, steel backpan model 7600R-AF or all aluminum model 7600R-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 quality as outline in the plans and specifications.

Units shall be designed to integrate into the specified ceiling systems.

Performance Notes:

All data are tested in accordance with ANSI/ASHRAE 70-2006

Optional Dampers and Accessories:

Square to Round Transitions

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

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 70-1991.