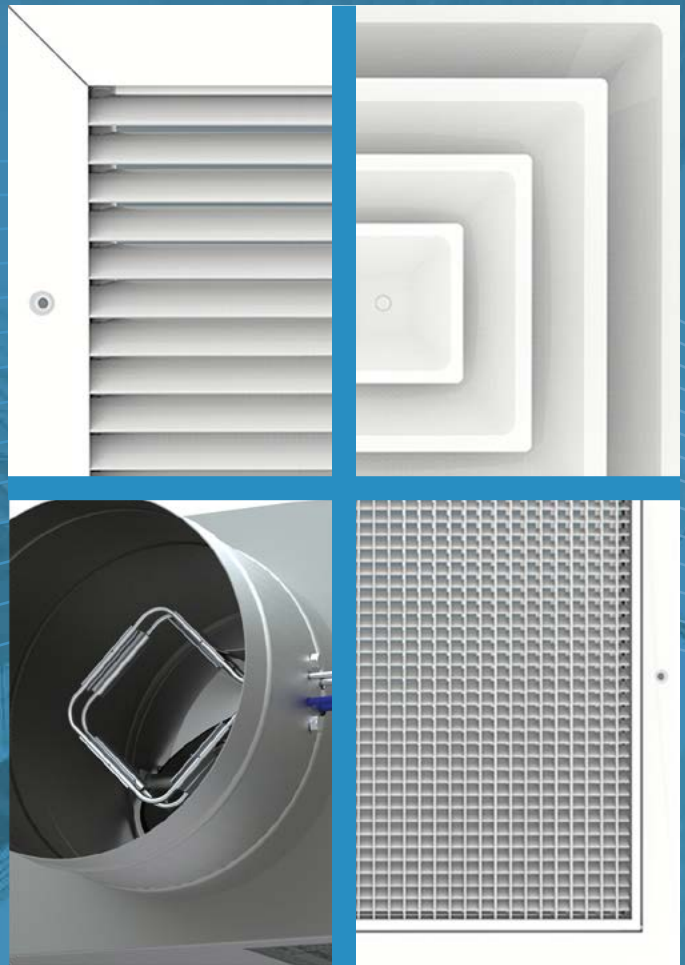


METALAIRE™

PRODUCT HANDBOOK

GRILLES • REGISTERS • DIFFUSERS • AIR TERMINAL UNITS



METALAIRE™

ABOUT OUR HANDBOOK

Our product handbook is a streamlined overview of every Metalaire™ product currently available. This handbook is best used in conjunction with our website (listed below). If you are interested in a product, simply type the model number of your choice into our website search bar. Click on your model number to be taken to it's own page which includes submittals, performance data and more.

www.metalaire.com • 727.441.2651

**Metal Industries • 1985 Carroll St.
Clearwater, FL 33765**



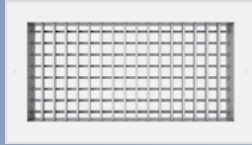
**METAL
INDUSTRIES**

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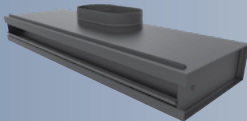
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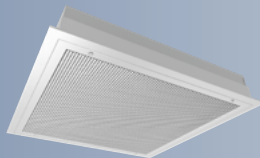
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AIR
TERMINAL
UNITS

GRILLES &
REGISTERS

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ENGINEERED
POLYMER
PRODUCTS

LINEAR
DIFFUSERS
& GRILLES

PLENUM
SLOT
DIFFUSERS

CRITICAL
ENVIRONMENT
PRODUCTS

DISPLACEMENT
DIFFUSER

METALAIRE™

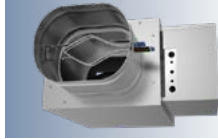
SINGLE DUCT AIR TERMINAL UNITS

MODEL TH-500
Single Duct Air
Terminal Unit



The simplest & most widely used VAV terminal unit. Capacities ranging from 80-8,000 CFM in 10 sizes.

MODEL TL-500
Low Profile Single Duct
Air Terminal



The simplest and most widely used VAV terminal unit for low profile applications. Capacities ranging from 80-4,000 CFM in 8 sizes.

MODEL BP-600
Bypass Terminal Unit



This model is used to achieve variable air volume delivery of conditioned air to a space/zone where constant volume air handlers exist.

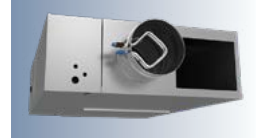
FAN-POWERED AIR TERMINAL UNITS - CONSTANT VOLUME

MODEL FCI-600
Constant Volume Fan
Terminal Unit



This fan-powered terminal unit is engineered to provide a balance between quiet operation, minimal footprint, and a broad flow range.

MODEL FCL-600
Low Profile Constant
Volume Fan Terminal Unit



This low profile fan-powered terminal unit is engineered to the FCI-600 specs in addition to providing reduced height for low clearance.

FAN-POWERED AIR TERMINAL UNITS - VARIABLE VOLUME

MODEL FCQ-700
Ultra-Quiet Fan
Terminal Unit



This quiet series fan-powered ATU has been engineered to provide noise levels that are the best in the business.

MODEL FVI-500
Variable Volume Fan
Terminal Unit



This parallel fan-powered terminal unit is designed to provide superior comfort to zones by intermittent parallel fan operation.

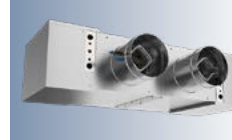
MODEL FVL-600
Low Profile Variable
Volume Fan Terminal Unit



This parallel fan-powered terminal unit is designed to provide superior comfort to zones by intermittent parallel fan operation.

DUAL DUCT AIR TERMINAL UNITS

MODEL DD-500
Dual Duct Air Terminal



These air terminal units are designed to regulate the flow of conditioned air in a dual duct air distribution system.

MODEL DH-500
High-Performance Mixing
Dual Duct Air Terminal



This model is engineered to provide an industry leading 1:30 mixing ratio. Capacities ranging from 80-4,400 CFM in multiple units sizes.

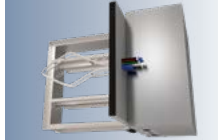
RETROFIT AIR TERMINAL UNITS

MODEL DS-600
Short Mixing
Dual Duct Air Terminal



This short mixing box allows mixing of hot and cold decks in tight, limited spaces due to its small footprint.

MODEL SR-500
Square Retrofit Air
Terminal Unit



This model is designed to fit into existing low pressure square or rectangular duct systems. 3 different models to cover multiple applications.

MODEL RT-500
Round Retrofit Air
Terminal Unit



These retrofit air terminals are designed to regulate the flow of conditioned air in single or dual duct air distribution systems.

MODEL RA-500
Customized Retrofit
Air Terminal Unit



These retrofit assemblies are customized retrofit valves designed to slip into existing mechanically regulated single or dual duct terminals.

DDC CONTROLS

SIMPLY VAV
Factory Provided
DDC Controls



Simply VAV is a universal VAV controller based on BACnet. They are factory mounted, wired and pre-configured for standard control sequences.

SUPPLY/RETURN GRILLES & REGISTERS

SERIES V

Aluminum Stamped
Frame Supply Grilles



Includes V (Single deflection/vertical blades), VH (Double deflection/vertical front blades), and the VM (Model V with a built in multi-shutter damper).

SERIES 4000

Al./Steel, Single/Double
Deflection Supply Grilles



Single deflection is offered in the 4002 model, double deflection is offered in the 4004 models.

SERIES 4000-AF

Airfoil Blade Aluminum or
Steel Supply Grilles



Model is available with single or double deflection, and with a number of options and accessories to meet a variety of applications.

SERIES L

Curved Blade Supply
Grilles & Registers



Series is available with 1 way, 2 way, 2 way opposite, 3 way and 4 way directional air patterns.

MODEL RH

Roll Formed Aluminum
Return Air Grilles



Model available in a number of borders to integrate into a wide range of ceiling and sidewall applications.

MODEL RHE

Extruded Aluminum
Return Air Grilles



Series is available in a number of borders to integrate into a wide range of ceiling & sidewall applications.

MODEL SRH

Steel Return Air Grille



Model available in a number of borders to integrate into a wide range of ceiling and sidewall applications.

SERIES 4002R/4002R-S

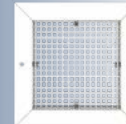
Aluminum/Steel
Return Air Grilles



Model available in two frame styles (Surface Mount and Lay-in). Available with horizontal or vertical fixed blades.

MODEL CC

Cube Core Return
and Exhaust Grilles



Model is great for high capacity applications requiring minimum pressure drop and noise. Standard construction is aluminum.

MODEL CC45

Sight-Proof Cube
Core Return Grille

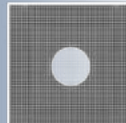


Model is designed for applications where it's important to limit visibility through the product.

SPIRAL DUCT GRILLES

CC5-BP

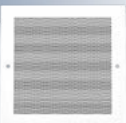
High Capacity Cube
Core Return Grille



The Model features an eggcrate cube core face and a hard backpan. The backpan is available in both steel (SBP) and aluminum (ABP) materials.

MODEL RP

Aluminum/Steel
Perforated Return Grille



Model ideal for return/exhaust applications that require low pressure drops and low sound. Available in steel.

MODEL 4004P/SP

Aluminum/Steel Spiral
Duct Supply Grille



The models offer superior performance in exposed duct applications offering a clean, low profile appearance.

MODEL 4000PCF

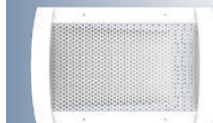
Aluminum Curved Frame
Spiral Duct Grilles



Curved frame spiral duct grilles feature a curved frame that fits flush to the contour of a round or spiral duct, offering a clean finish.

MODEL 4000PF / 4000PCFPF

Perforated Spiral Pipe Grille
& Perforated Curve Flange



Perforated curved frame spiral duct grilles feature a curved frame that fits flush to the contour of a round or spiral duct, offering a clean finish.

FILTER GRILLES

MODEL RL-SP

Commercial/Industrial
Drum Louver



Model allows for delivery of a jet or diffused air pattern in spiral duct installation. Available up to 48" long.

MODEL 6600SP

Supply/Return Linear Slot
Diffuser for Spiral Pipe



These linear slot diffusers are designed to integrate into exposed spiral duct systems.

SERIES RHF/RHEF/SRHF

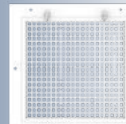
Aluminum/Steel Filter
Return Grille



Series available in aluminum and steel. Extruded Aluminum RHEF is our premiere model offering superior appearance and performance.

MODEL CC5F

Aluminum Cube Core
Filter Return Grille



These cube core return and exhaust filter grilles are designed to provide low pressure drop and low sound levels.

MODEL CC45F

Al. Sight Proof Cube Core
Filter Return Grille



Model features a 45° core that maintains high free area while providing no see through to the duct or plenum.

HEAVY DUTY GRILLES

MODEL RPF

Al./Steel Perforated Face
Filter Return Grille



The series is designed for filters (by others) and includes a hinged face with thumb latches for quick filter changes.

MODEL HDRH

Heavy Duty Aluminum
Return Grille



An excellent choice for projects that require a grille or register to withstand moderate physical abuse.

MODEL 4500/4500S

Heavy Duty Steel Sidewall
Return Grille



These heavy duty supply grilles are designed for applications such as gymnasiums and other public areas where a durable grille is needed.

MODEL 4502/4504

Heavy Duty Steel Supply
Grilles & Registers



These heavy duty supply grilles are designed for applications such as gymnasiums and other public areas where a durable grille is needed.

MODEL DG/DGSF/DGDF

Aluminum Door Grilles



These extruded aluminum door grilles are designed to transfer air through doors or walls.

INDUSTRIAL GRILLES

MODEL 4100

Aluminum Industrial/High
Capacity Supply



These grilles & registers are engineered for high capacity industrial air distribution applications where performance is a priority. Model uses 1.5" blades on 1.5" spacing.

MODEL 4200

Aluminum Industrial
Supply - Shallow Frame



Model for industrial applications requiring high capacity and performance, and designed for ceiling and high sidewall installation.

MODEL 4300

Aluminum Industrial/High
Capacity Supply



Models are designed for ceiling and high sidewall installation. Includes 3" blades on 3" centers and a 7" deep collar.

MODEL RL

Industrial/High Capacity
Supply-Roto Louver



This model is engineered for high capacity, long throw applications such as gymnasiums, industrial plants and other large spaces.

MODEL RL-SP

Commercial/Industrial
Drum Louver



Model allows for delivery of a jet or diffused air pattern in spiral duct installation. Available up to 48" long.

SPECIALTY GRILLES

MODEL OAL

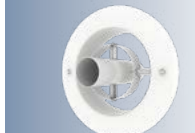
Aluminum Outside
Air Louver



Model inhibits the entrance of wind, rain, snow, birds, insects, and airborne debris while enhancing the building's exterior appearance.

MODEL JA

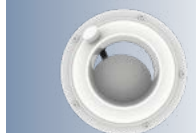
Aluminum/Steel Jet Aire
High Capacity Nozzle



Jet*Aire diffusers offer an economical solution to high capacity air distribution applications requiring long throw distances.

MODEL MPK

Aluminum Punkah
Louder



Model discharges a high-velocity jet that can be directed to condition a specific space or area.

MODEL MRSD/MRDD

Architectural Round High
Capacity Grille



Series is an excellent choice for applications requiring an adjustable outlet with high velocity capacities and long throw.

MODEL WFO

Polymer Underfloor
Diffuser

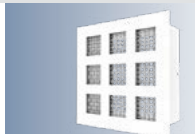


This floor diffuser offers the choice of horizontal or vertical air patterns with its flip over design, as well as a host of other patented features.

SECURITY GRILLES

MODEL SGSP

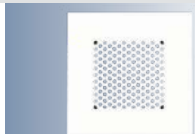
Maximum Security Grille
Square Holes/Mesh Face



These steel supply grilles are an excellent choice for sidewall installation in max. security applications such as federal correctional facilities. Uses wire mesh with lattice lace.

MODEL SGRP / SGRP-SR

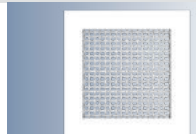
Maximum Security Grille
Perforated Face



These steel security grilles are for maximum security installations. SGRP uses a perforated face, while SGRP-SR is suicide resistant and uses 3/16" holes with smaller diameters.

MODEL SGWM

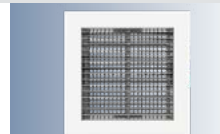
Maximum Security Grille
Wire Mesh Face



Model is a heavy duty security grille with a wire mesh face. Used in maximum security applications.

MODEL SGRH

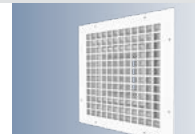
Medium Security Grille
Fixed Louver Face



These louver face steel sidewall return grilles are an excellent choice for returns in medium security, supervised areas.

MODEL SG5500S

Minimum Security
Diffuser



These steel supply diffusers are an excellent choice for supervised areas requiring a ceiling mounted diffuser.

GRILLES & REGISTERS ACCESSORIES

MODEL SG2000

Minimum Security
Bar Grille



Model is a return grille constructed with heavy gauge aluminum louvers that are reinforced and attached to a steel sleeve.

MODEL SGDB

Duct/Wall Mounted
Bar Grilles



These duct barrier bars are an excellent choice for additional security in openings between secure and non-secure areas.

MODEL TBP/STBP

Aluminum/Steel Panels
for Grilles & Diffusers



Model is a panel for use with grilles, registers and diffusers in T-bar applications. Available in aluminum and steel.

MODEL OBD/OBDA

Opposed Blade Damper



Tapered blades set in a U-channel frame. Opposed blades on 1" centers. Screwdriver slot operator. Available in aluminum and steel.

MODEL L9

Equalizing Grid



Model is designed to provide uniform airflow in branch ducts. Pre-tensioned blades adjust individually.

MODEL TBP/STBP

T-Bar Plaster Frame



Model permits the installation of the T-bar frame style ceiling diffuser into plaster or gypsum type ceilings. Available in aluminum & steel.

MODEL TSPF

Tape & Spackle
Plaster Frame



Model is used for surface mount installations that need to conceal the mounting frame.

MODEL LIPF/SLIPF

Extruded Aluminum Lay-In
Plaster Frame



Model is an extruded aluminum Lay-In plaster frame for use in hard ceiling applications.

MODEL TR/TR DEEP

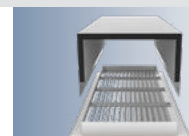
Square to Round
Transition



Square-to-round transition permits installation onto square necks to allow for round or flex duct applications.

MODEL NDRH

Non-Ducted Return Hood



A field added accessory to return grilles in non-ducted plenum applications, it can be used with any Metalair T-bar lay-in return.

SQUARE CEILING DIFFUSERS

MODEL 5700

Square Cone Diffuser
2-Cone



Two-Cone square face diffuser with round neck. Available in Steel, Aluminized Steel, and Aluminum construction.

MODEL 5800

Square Cone Diffuser
3-Cone



Three-Cone square face diffuser with round neck. Available in Steel, Aluminized Steel, and Aluminum construction.

MODEL 5750

Square Plaque Diffuser



Architectural plaque diffuser used for a sleek and modern look while maintaining good airflow performance. Available in steel and aluminum construction.

MODEL 5750RP

Round Face Plaque
Diffuser



Model is the ideal diffuser for when both interior design and superior performance matter.

MODEL PHENOMENATOR

Square Panel Face
Diffuser



Models designed to maintain very high induction ratios even at very low airflow rates.

LOUVERED FACE DIFFUSERS

MODEL 5500

Aluminum Square/Rect.
Louver Face Diffuser



Models provide an aesthetically pleasing solution to air distribution requirements, regardless of room configurations.

MODEL 5500S

Steel Square/Rect.
Louver Face Diffuser



Models provide an aesthetically pleasing solution to air distribution requirements.

MODEL 5500DD

Architectural Louver
Face Diffuser



Model offers an architectural air diffuser designed to excel in both performance and aesthetic appeal. Can be used with center ceiling tile for increased aesthetics.

MODEL 5200

Aluminum Face
Diffuser



Aluminum economical square face ceiling diffuser. Available in 1 way, 2 way opposite, 2 way corner, 3 way and 4 way.

MODEL 9000

Square Modular
Core Diffuser



Model uses removable modular cores which allow for a wide range of airflow configurations with multiple border types available as well.

METALAIRE™

LOUVERED FACE DIFFUSERS (CONTINUED)

MODEL 5500CAD

Cold Aisle Diffuser -
Louver Face/Cube Core



Model is a hybrid unit that combines the features of a 5500 louver face diffuser with a cube core damped center.

MODEL LFL

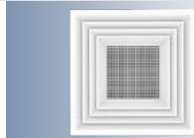
Louver Face
Linear Diffuser



Model designed for continuous length applications where the clean lines of a louver face diffuser are desirable.

MODEL 5500 DAF CC5

Concentric Supply/Return
Ceiling Diffuser

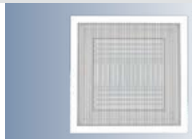


Concentric supply/return diffusers provide a functional solution to Roof Top package single outlet air distribution requirement.

PERFORATED CEILING DIFFUSERS

MODEL 7000

Al. Perforated Diffuser
with Pattern Controller



Model is an aluminum, perforated supply diffuser with curved blade pattern controllers mounted in the neck of the diffuser.

MODEL PRTB/SPRTB

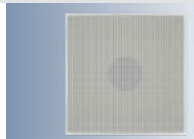
Perf. Screen for Non-
Ducted Plenum Return



Models are an economical choice for non-duct plenum return applications and are shipped without pattern controllers.

MODEL 7300

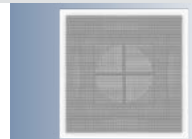
Perf. Supply Diffuser with
Fiberglass Backpan



Model is an economical diffuser with a fiberglass plenum, designed to allow field installation of the inlet collar (by others).

MODEL 7350

Model 7300 with
Pattern Controllers



Model is an economical diffuser with a fiberglass plenum, designed to allow field installation of the inlet collar (by others).

MODEL 7500

Perforated Diffuser
Face Mounted Pattern Cont.



Models have a round neck and face mounted adjustable pattern controllers, an excellent choice for VAV applications.

MODEL 7550

Perforated Diffuser
Face Mounted Pattern Cont.



Models are a great choice for VAV applications. The hinged removable face allows access to the pattern controllers. Square neck.

MODEL 7600

Perforated Diffuser
Curved Blade Pattern Cont.



Models are a great choice for VAV applications. The hinged removable face allows access to the pattern controllers. With round inlet.

MODEL 7650

Perforated Diffuser
Curved Blade Pattern Cont.



Model is a perforated ceiling diffuser with a square neck with curved blade adjustable pattern controllers mounted in the neck.

MODEL 7550R-F/7650R-F

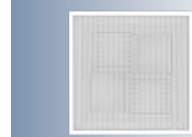
Perforated Filter Back
Ceiling Diffuser



Model incorporates a basic perforated diffuser with a filter rack to allow for filtered air applications.

MODEL 7900

Perforated Alum. Diffuser
Modular Core

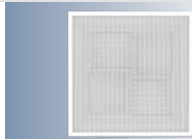


Model uses a perforated face panel with removable modular cores to provide multiple airflow configurations for different applications.

ROUND CEILING DIFFUSERS

MODEL 7950

Perforated Steel Diffuser
Modular Core



Cores can be field adjusted to a variety of air patterns. An excellent choice for VAV applications.

MODEL 3000

Adjustable 3-Cone
Round Diffuser



Excellent choice for high capacity applications. Discharge pattern is easily adjusted from vertical to horizontal with adjustment ring.

MODEL 3100

Fixed/Adjustable
Round Diffuser



Excellent choice for high capacity applications. Discharge pattern is easily adjusted from vertical to horizontal with adjustment ring.

MODEL 3200

Heavy Duty Steel
Adjustable Round Diffuser



Models incorporate a high induction design to efficiently handle large volumes of air at high cooling temperature differentials.

MODEL 900

Aluminum Fixed Round
Diffuser



Economical high performance round diffuser, available with optional damper (900D).

VAV DIFFUSERS

MODEL R5750

Round Panel
Architectural Diffuser



Model blends well into the ceiling surface. Available in aluminum, aluminum face with steel backpan and steel construction.

MODEL MSC/MSCVH/MSCAH

VAV Diffuser



Models are thermally powered variable volume air diffusers which are completely self-powered and self-contained.

MODEL MSE-HC

Electronic VAV Diffuser for
Heating/Cooling Control



Model regulates the amount of supply air into the space, uses a wall-mounted thermostat to achieve true VAV control in heating/cooling mode.

MODEL MLAD

Linear "Anti-Strat" Heat/
Cool Changeover Diffuser



Change in air pattern prevents stratification issues with heated air diffusion. Thermally powered by the supply air.

MODEL MVAC/MVACH

VAV Linear Diffusers



Induction slot samples room air to assure precise control. Available in cooling only and heat/cool.

FIRE RATED PACKAGES

MODEL 5500S-FRS

Louver Face Ceiling Diffuser
with Radiation Damper



Models are for ceiling applications which call for a clean appearance and superior performance.

MODEL 5700-FRS

Square Face Diffuser
with Radiation Damper



Model is a two cone square face diffuser with a round neck, a UL-Listed ceiling radiation damper for T-bar lay-in applications.

MODEL 5800-FRS

Square Face Diffuser
with Radiation Damper



Model is a three cone square face diffuser with a round neck & a UL-Listed ceiling radiation damper for T-bar lay-in applications.

MODEL 7500/7550-FRS

Perforated Ceiling Diffuser
with Radiation Damper



Ceiling diffusers with face mounted adjustable pattern controllers and UL-Listed ceiling radiation dampers for T-bar lay-in applications.

MODEL 7600/7650 FRS

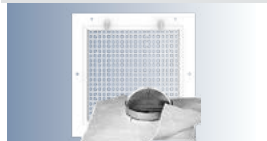
Perforated Ceiling Diffuser
with Radiation Damper



Ceiling diffusers with face mounted adjustable pattern controllers and UL-Listed ceiling radiation dampers for T-bar lay-in applications.

MODEL CC5-FRS

Sidewall/Ceiling Return
Grille w/ Radiation Damper



Model is a cube core ceiling return grille w/ a UL-listed ceiling radiation damper for T-bar lay-in applications.

MODEL PRTB-FRS

Perf. Non-Duct Screen with
Radiation Damper

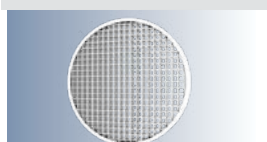


Model is a perforated non-ducted screen w/ a UL-listed ceiling radiation damper for T-bar lay-in applications.

CEILING DIFFUSER ACCESSORIES

MODEL G3

Aluminum Round
Equalizing Grid



Model is for use w/ round duct to create a uniform airflow distribution as the air enters the diffusers. Equalizing grids are helpful when diffusers are in close proximity to elbows.

MODEL BDS

Steel Butterfly Damper



Model is a steel butterfly damper with adjustable blades.

MODEL G3-BDS

Round Equalizing Grid
w/ Steel Butterfly Damper



Model allows for system balancing at the diffuser while the equalizing grid ensures even air distribution.

MODEL RSD

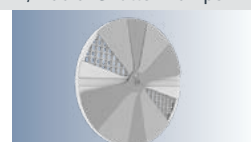
Galvanized Steel Radial
Shutter Damper



Model is a galvanized steel radial shutter damper for use with round neck diffusers.

MODEL G3-RSD

Round Equalizing Grid
w/ Radial Shutter Damper



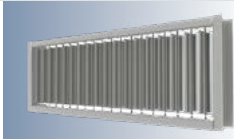
Model allows for system balancing at the damper while equalizing grid ensures even air distribution.

METALAIRE™

CEILING DIFFUSER ACCESSORIES

MODEL D5/5A & D7/7A

Al./Steel Opposed Blade Damper for Series 5000/7000



Model is a steel opposed blade damper for Series 5000/7000, 5500/7500 and 5500S/7000S diffusers. It is also available in aluminum.

MODEL OBD/OBDA

Opposed Blade Damper



Model has tapered blades in a U-channel frame. Opposed blades on 1" center, with screwdriver slot operator. Available in aluminum & steel.

MODEL L9

Equalizing Grid



Model is designed to provide uniform airflow in branch ducts. Pre-tensioned blades adjust individually.

MODEL TBPf/STBPf

T-Bar Plaster Frame



Model permits the installation of the T-bar frame style ceiling diffuser into plaster or gypsum type ceilings. Optional hardware kits available.

MODEL TSPF

Tape & Spackle Plaster Frame



Model allows a T-bar mounted product to be installed into a hard ceiling. Model is unique with a ridged frame which is intended to be used in a tape-and-spackle application.

MODEL TR/TR DEEP

Square to Round Transition



Model permits installation onto square necks to allow for round or flex duct applications. Available as an accessory to most products with square necks.

ENGINEERED POLYMER PRODUCTS

MODEL EP5000

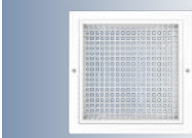
Engineered Polymer Louver Face Diffuser



Model for use in ceiling applications which call for a clean, smooth appearance, lightweight, corrosion resistant, and ease of installation.

MODEL EPCC5

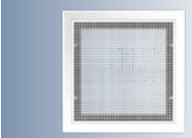
Engineered Polymer Cube Core Grille



Attractive 1/2" x 1/2" grid by 1/2" deep design. Can be used with an aluminum transition for use with round duct.

MODEL EPCC5F

Engineered Polymer Cube Core Filter Grille



Model uses a 1/2" x 1/2" x 1/2" cube core design and is used with a disposable filter. Includes a hinged face for easy filter removal/replacement.

MODEL EPRH

Engineered Polymer Louvered Face Return



Engineered polymer louvered face return/exhaust. Fixed horizontal 45° angled fixed vanes are on 3/4" centers.

MODEL EPRHF

Eng. Polymer Louvered Face Return Filter Grille



Model can be used with a filter and is for use in applications which call for a clean appearance, lightweight, corrosion resistance, and easy installation.

MODEL EP5700

Engineered Polymer Square Cone Diffuser



Model provides a tight 360° discharge pattern for superior induction/occupant comfort and design maximizes airflow performance while keeping pressure drop to a minimum.

MODEL EP5750

Engineered Polymer Square Plaque Diffuser



Model uses an attractive single panel design which blends well into the ceiling and maintains architectural aesthetics as well as engineering performance.

MODEL EP900

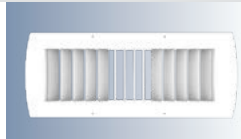
Engineered Polymer Round Diffuser



Model is an economical round diffuser with concentric rings for even air distribution and consists of corrosion-resistant, non-ferrous materials.

MODEL EP4002PCF

Engineered Polymer Spiral Duct Grille



Model installed on spiral duct and uses non-ferrous materials for corrosion resistant applications.

FORMATIONS®

MODEL AFL

Formations Linear Diffuser



Models satisfy the most demanding engineering & architectural criteria, providing superior air distribution performance & sculptured elegance. Available in several border styles.

MODEL AFLC

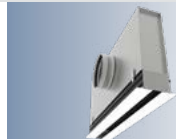
Formations Linear Diffuser w/ Concealed Mount



Models satisfy the most demanding engineering & architectural criteria, providing superior air distribution performance & sculptured elegance. Available with concealed mount.

MODEL AFL-TS(I)

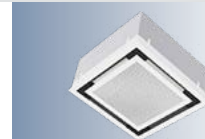
Formations Tee System



System (AFL-TS) includes model AFL and a UPI plenum pre-attached. The AFL-TS is a perfect choice for acoustical ceiling applications.

MODEL AFLI

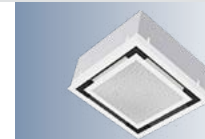
Formations Integra (Supply/Return)



Laying in an acoustical tee bar or hard ceiling, your specified ceiling material actually becomes the face of the Integra diffuser, providing beautiful design integrity.

MODEL AFLIH

High Capacity Architectural Return



Model is a high-capacity return that features the integrated look of the AFLI "Integra" return, but adds a cube core center to dramatically increase return capacity.

FORMATIONS® ACCESSORIES

MODEL AFL-MC

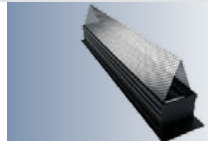
Formations Mitered Corner



Model is for architectural linear slot diffuser model AFL. Mitered corner can come with a 90° miter, a 135° miter, or other angles not listed.

MODEL FAR

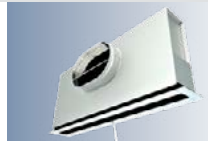
Formations Light Shield



Model is a triangular light shield hood for the Formation series architectural linear diffusers, designed to block light that can be seen from the diffuser opening.

MODEL FODR

Face Operated Damper



Model is a face operated damper rod used to control the airflow through a UP/UI plenum. Damper is connected to a metal rod which is pushed or pulled from damper face.

LINEAR SLOT DIFFUSERS

MODEL 6600

Supply/Return Linear Slot Diffuser



Models offer supply / return linear slot diffusers w/ integral volume / directional pattern controllers.

MODEL 6600SP/6610SP

Supply/Return Linear Slot Diffuser for Spiral Pipe



Series aluminum supply / return linear slot diffusers are designed to integrate into exposed spiral duct systems.

MODEL 6600SQ

Square Architectural Slot Diffuser



Series provides outstanding operation flexibility. Supply units are shipped with pattern controllers that are adjustable through the diffuser face.

MODEL 6675TZ

Linear Slot Diffusers for Architectural Ceilings

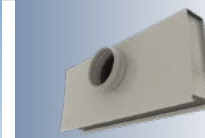


Model is compatible for use with Armstrong® TechZone™ and USG Logix™ Architectural Ceiling Systems.

UNIVERSAL PLENUMS

MODEL UP/UIP

Universal Plenum
Universal Plenum Insulated

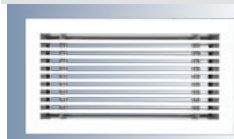


Universal plenum is used with any linear diffuser model. UPI plenums are available for 2000, AFL, AFLC and 6600 models.

LINEAR BAR GRILLES

MODEL 2000

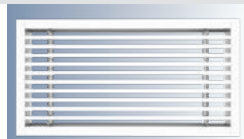
Extruded Aluminum Linear Bar Grille



Model 2000 has a 1" flange, 7/32" bar thickness and 1/2" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees are available.

MODEL 2100

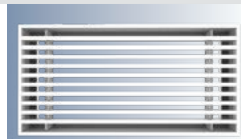
Extruded Aluminum Linear Bar Grille



Model 2100 has a 1/2" flange, 7/32" bar thickness and 1/2" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees are available.

MODEL 2200

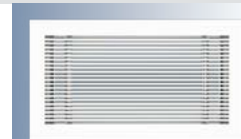
Extruded Aluminum Linear Bar Grille



Model 2200 has a 3/16" flange, 7/32" bar thickness and 1/2" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees are available.

MODEL 2300

Extruded Aluminum Linear Bar Grille



Model 2300 has a 1" flange, 1/8" bar thickness and 1/4" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees are available.

MODEL 2400

Extruded Aluminum Linear Bar Grille



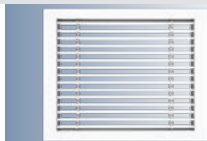
Model 2400 has a 1/2" flange, 1/8" bar thickness and 1/4" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees are available.

METALAIRE™

LINEAR BAR GRILLES (CONTINUED)

MODEL 2500

Extruded Aluminum
Linear Bar Grille



Model 2500 has a 1" flange, 1/8" bar thickness and 1/2" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees.

MODEL 2600

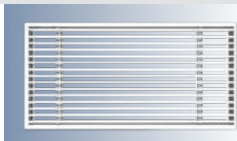
Extruded Aluminum
Linear Bar Grille



Model 2600 has a 1/2" flange, 1/8" bar thickness and 1/2" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees.

MODEL 2700H

Extruded Aluminum
Linear Bar Grille



Model 2700H has a 3/16" flange, 1/8" bar thickness and 1/2" bar spacing. Multiple frame styles are available. Deflection angles of 0, 15 and 30 degrees.

MODEL 2800H

Extruded Aluminum
Linear Bar Grille



Model 2800H has a 1/2" flange, 1/8" bar thickness and 1/4" bar spacing. Multiple frame styles are available. 0, 15, 30 degrees.

LOUVER FACE LINEARS

MODEL LFL

Louver Face
Linear Diffusers

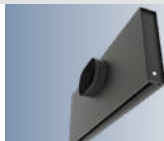


Models are designed for continuous length applications where clean lines of a louver face diffuser are desirable.

PLENUM SLOT DIFFUSERS W/ ADJUSTABLE PATTERN CONTROLS

MODEL PHPS/PHNS

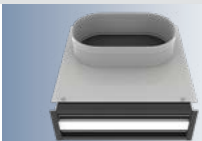
High Performance
Plenum Slot Diffuser



Models made with heavy duty extruded aluminum pattern controllers, and gasket for horizontal discharge pattern.

MODEL PHPS-IT

Plenum Slot Diffuser w/
"Ice Tong Blades"



Designed with "ice tong" blades for 180° pattern control. Curved pattern controllers produce a horizontal air pattern.

PLENUM SLOT DIFFUSERS W/ FIXED PATTERN CONTROLLERS

MODEL PHPS-J

High Capacity Diffuser Lay-In with Fixed Control Vanes



Model uses unique pattern controllers for different applications. Each has fixed vanes for air control.

MODEL PHPS-E

Plenum Slot Diffuser Lay-In with Fixed Control Vanes

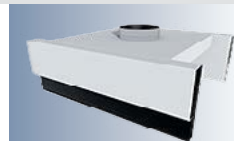


Model features the same control vanes used in the PHPS-J. It maintains an air pattern tight against the ceiling in constant or variable control systems.

LIGHT TROFFER DIFFUSERS

MODEL LT

Light Troffer Diffuser



Models are architecturally pleasing & reduce ceiling clutter by integrating the ceiling diffuser into the light fixture.

LAMINAR FLOW DIFFUSERS

MODEL HPL-2CH

Two Chamber
Laminar Flow Diffuser



Model is engineered to supply a low velocity vertical "piston" of conditioned air. The HPL-2CH is engineered for clean supply air distribution.

MODEL HPL-CL

Laminar Flow
Supply Diffuser



Models are engineered for clean supply air distribution in operating and clean rooms to supply a low velocity vertical "piston" of conditioned air.

MODEL HPL-GSJ

Laminar Flow Diffuser
with Gel Seal HEPA Filter



Model is engineered to help control particle contamination; applications include clean room, laboratories and hospital operating rooms.

RADIAL FLOW DIFFUSERS

MODEL HRD-CL

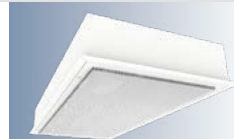
Radial Flow
Supply Diffuser



Models are engineered for supply air distribution in critical environments such as chem. labs and clean rooms.

MODEL HRD-GS

Radial Flow Diffuser
with Gel Seal HEPA Filter

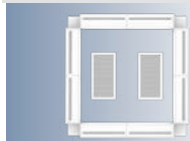


Model includes a gel seal HEPA filter rack and are engineered for supply air distribution in critical environments such as chem. labs and clean rooms.

OPERATING ROOM SYSTEMS

PERIFLOW SYSTEM

Operating Room
Distribution System



Model provides control over particulate matter in the operating room environment. It provides the highest standard of air cleanliness.

DIFFUSER ACCESSORIES

MODEL CD

Cable Operated Damper



Model is recommended when a HEPA filter is installed to allow for remote balancing of the airflow.

METALAIRE™

RECTANGULAR DISPLACEMENT DIFFUSERS

MODEL DD-REC

Rectangular Wall Mounted Displacement Diffuser



The Model is designed for wall mounting around the periphery of a room. Our uniquely designed mounting system allows for quick and easy installation.

MODEL DD-CU

Triangular Corner Unit Displacement Diffuser



The Model is designed for mounting in corners of rooms. Our uniquely designed mounting system allows for quick and easy installation.

ROUND DISPLACEMENT DIFFUSERS

MODEL DD-RD-360

True Round, Free Standing Displacement Diffuser



The Model has a 360 degree airflow designed for free-standing mounting for displacement coverage of very large rooms.

MODEL DD-RD-180

Semi-Round Displacement Diffuser



The Model has a 180 degree airflow designed for wall mounting around the periphery of a room; as well as easy to install.

MODEL DD-RD-90

Quarter Round Corner Displacement Diffuser

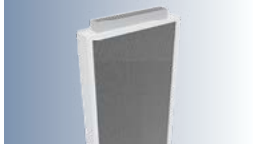


The Model is designed for corner mounting. This unit provides 90 degree coverage allowing for low velocity displacement diffusion.

IN-WALL MOUNT DISPLACEMENT DIFFUSERS

MODEL DD-WALL-1W

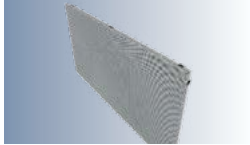
In-Wall, One Way Displacement Diffuser



The Model is designed for mounting inside of walls. Units are available with heights up to 60" and widths up to 36".

MODEL DD-WALL-FM

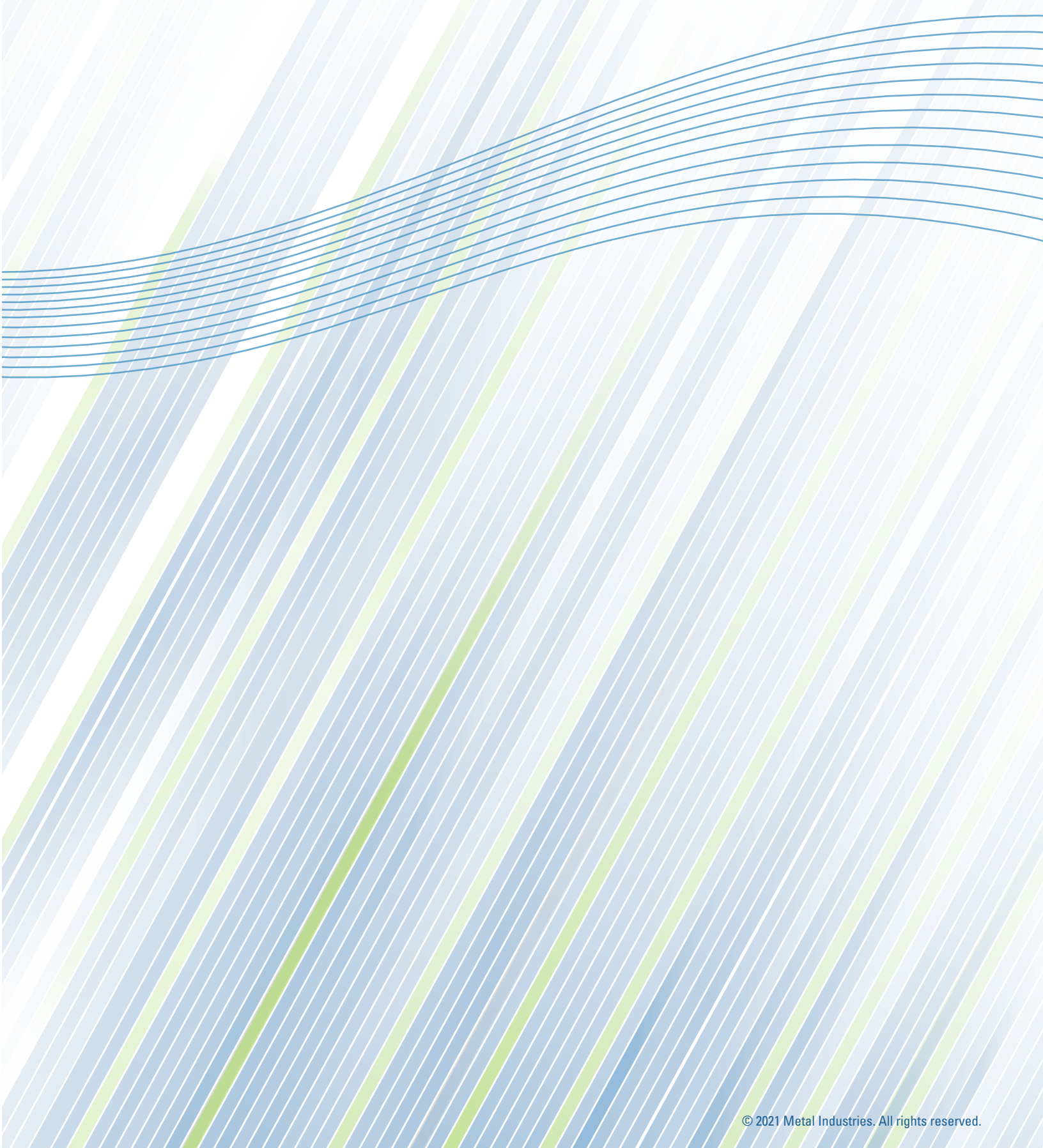
Flush Mount Displacement Diffuser



The Model is a spring-clip mount perforated face displacement diffuser perfect for blending in the space architecture. It provides 1-way diffusion and can be custom sized.

This image shows a single page from a notebook or ledger. It features approximately 20 evenly spaced horizontal grey lines across its entire width. The background is a solid off-white color. There are no margins, text, or other markings present on the page.

METALAIRE™



METALAIRE™

METALAIRE™ is the flagship brand of Metal Industries, offering a complete line of air distribution and air terminal products. From standard grilles and registers, to its architectural line of Formations® linear slot diffusers, along with a newly released series of displacement diffusers, METALAIRE has the air devices to meet every need. Prior to and after the sale, METALAIRE sales and customer service is dedicated to providing the highest level of quality, value and service.

www.metalaire.com • 727.441.2651

**Metal Industries • 1985 Carroll Street
Clearwater, FL 33765**

