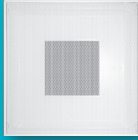




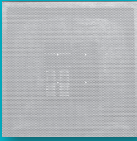

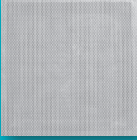



	<p>6100, 6150 56100, 56150 These perforated supply ceiling diffusers feature a neck mounted rotatable core with either a round or square neck. Aluminum or steel perforated face is available.</p>		<p>6490, 56490 These perforated ceiling returns feature a square neck. Aluminum or steel perforated face is available.</p>
	<p>6200, 56200 6200FR, 6290F These perforated supply, ceiling diffusers feature neck mounted curved blades with a square neck. Aluminum or steel perforated face is available. Fire rated or filter return variations available.</p>		<p>6600, 56600, 6600FR These perforated supply ceiling diffusers feature face mounted deflectors with a round neck. Aluminum or steel perforated face is available. A fire rated variation is also available.</p>
	<p>6500, 56500 6500FR, 6590FR These perforated supply, ceiling diffusers feature neck mounted curved blades with a round neck. Aluminum or steel perforated face is available. Fire rated supply and return variations available.</p>		<p>6690, 56690 These perforated ceiling returns feature a round neck. Aluminum or steel perforated face is available.</p>
	<p>6300 This perforated supply, ceiling diffuser features face mounted deflectors and a prescored fiberglass backpan for field cutting. Available in steel construction only.</p>		<p>6790, 56790 These aluminum or steel perforated screen ceiling panels with no backpan are great for non-ducted return or exhaust applications.</p>
	<p>6390 This perforated return features a prescored fiberglass backpan for field cutting. Available in steel construction only.</p>		<p>1100, 51100 These architectural, perforated, supply ceiling diffusers feature neck mounted curved blades with a square or rectangular neck. Available in steel or aluminum construction. A metric version is also available.</p>
	<p>6400, 56400, 6400FR These perforated supply ceiling diffusers feature face mounted deflectors with a square neck. Aluminum or steel perforated face as well as a fire rated variations are available.</p>		<p>1190, 51190 These architectural, perforated, ceiling returns feature a square or rectangular neck. Available in steel or aluminum construction.</p>

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6150, 56150 (Supply)
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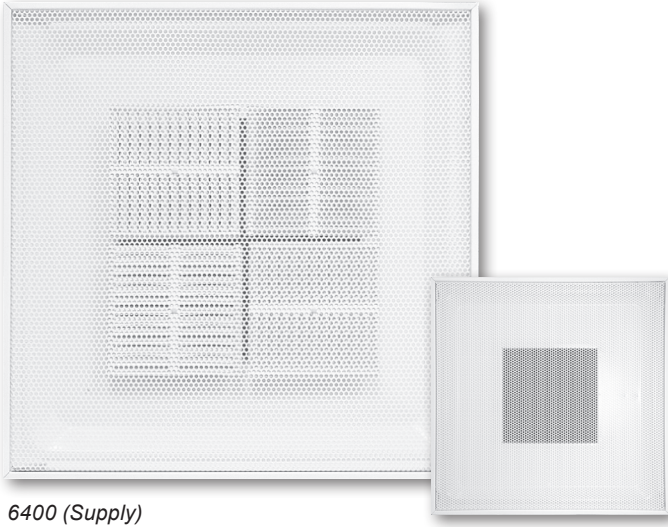
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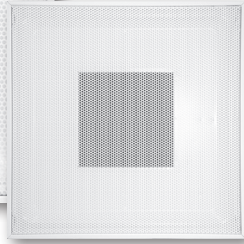
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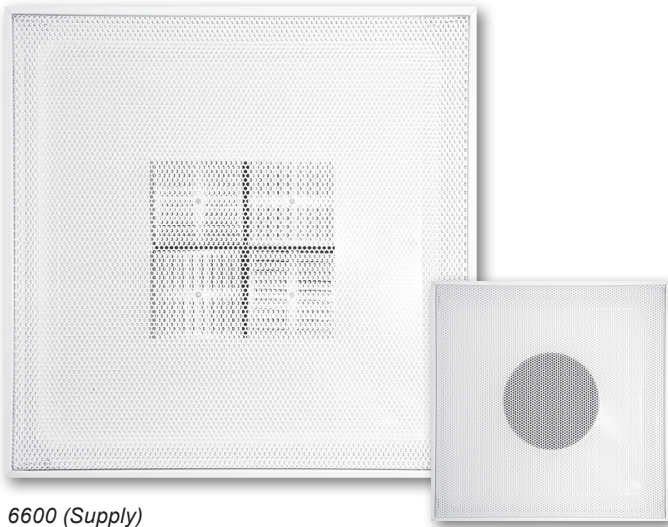
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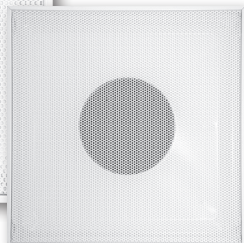
6400 (Supply)



6490 (Return)



6600 (Supply)



6690 (Return)

Introduction: 6400, 6600 Series

The 6400/6600 series perforated diffusers uses modular air pattern controllers mounted to the backside of the perforated face, which are factory set for 4-way air pattern. They are field adjustable for 1, 2, or 3-way pattern or may be removed for down blow without reducing the core area. The 6400/6600 series diffusers exhibit typical isothermal throws of 12' to 17' for 4-way air distribution and 21' to 30' for 1-way air distribution. The modular capability makes the 6400/6600 ideal for installations with changing air pattern requirements such as tenant lease spaces. Matching returns are the 6490 and 6690 series.

MODELS

- 6400 - Steel, Square Neck Supply Diffuser
- 6490 - Steel, Square Neck Return Diffuser
- 56400 - Perforated Aluminum with Steel Backpan, Square Neck Supply Diffuser
- 56490 - Perforated Aluminum with Steel Backpan, Square Neck Return Diffuser
- 6400FR - Steel, Fire Rated, Square Neck Supply Diffuser
- 6600 - Steel, Round Neck Supply Diffuser
- 6690 - Steel, Round Neck Return Diffuser
- 56600 - Perforated Aluminum with Steel Backpan, Round Neck Supply Diffuser
- 56690 - Perforated Aluminum with Steel Backpan, Round Neck Return Diffuser
- 6600FR - Steel, Fire Rated, Round Neck Supply Diffuser

FEATURES

- Field adjustable 1, 2, 3, or 4-way blow patterns.
- Great choice for installations with changing air pattern requirements.
- Removable perforated face for easy cleaning.

PANEL SIZES

- 12"x12"
- 16"x16"
- 20"x20"
- 12"x24"
- 24"x24"
- 24"x48"

ACCESSORIES

- Optional Opposed Blade Damper (Model OBDFA)
- Optional Round Dampers
- Optional Insulated Backpan

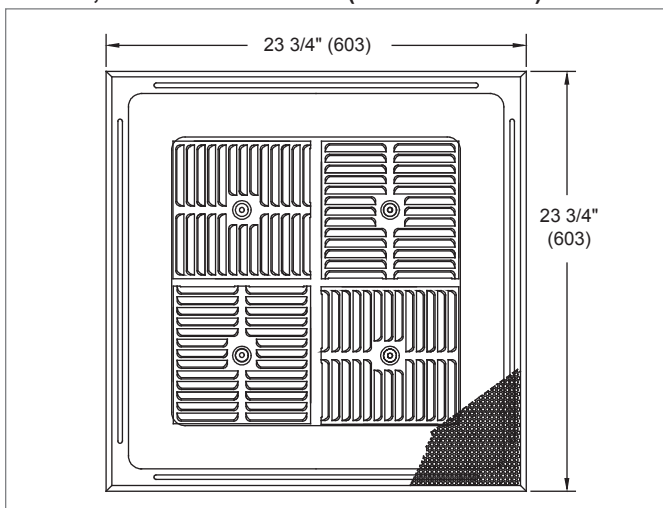
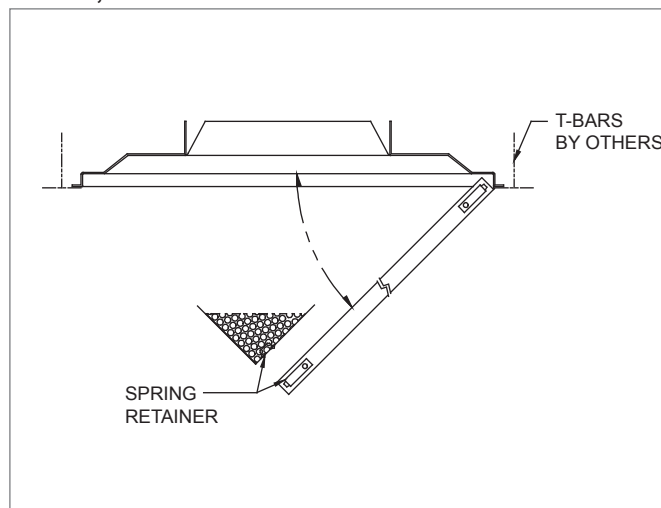
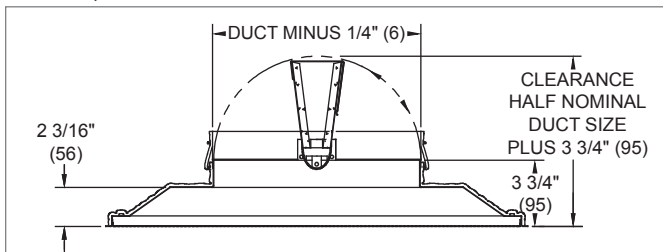
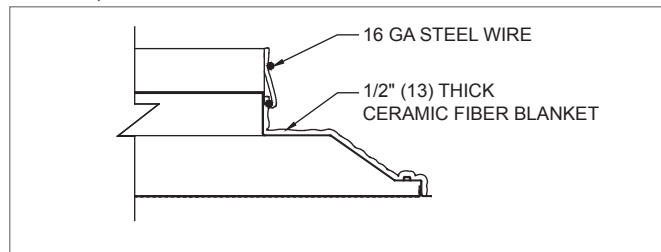
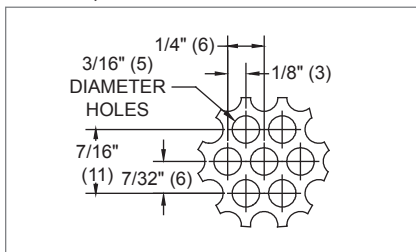
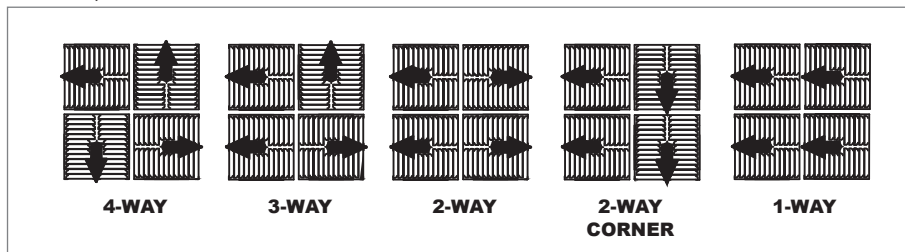
FINISHES

- Standard finish is #44 British White.
- Optional finishes available.

6400FR (Fire Rated Supply) Dimensional Information

The 6400FR offers the safety of fire rated performance with the proven 6400 series diffuser. It is intended for use with Lay-in T-Bar application involving fire rated ceiling designs. It combines this flexibility with all of the features of the standard 6400 and is available exclusively in steel.

6400FR comes standard as a UL 263 classified assembly which incorporates a 3-hour rated fire damper and a 1/2" thick ceramic fiber blanket.


6400FR, SUPPLY FACE VIEW (24"x24" PANEL)

6400FR, HINGE DETAIL

6400FR, CROSS SECTION

6400FR, FIRE BLANKET DETAIL

6400FR, PERFORATION DETAIL

6400FR, DISCHARGE AIR PATTERNS

6400FR, AVAILABLE INLET SIZES

NOMINAL PANEL 24" x 24" (610 x 610)	INLET SIZES
	6" x 6" (152 x 152)
8" x 8" (203 x 203)	
10" x 10" (254 x 254)	
12" x 12" (305 x 305)	
14" x 14" (356 x 356)	

NOTE: Dimensions in parentheses are mm.

PERFORATED FACE DIFFUSERS

6400FR

6400FR | Adjustable Deflectors, Fire Rated

6400FR (Fire Rated Supply) Suggested Specification & Configuration

6400FR

The perforated face fire rated supply diffuser shall be Krueger model 6400FR. The diffuser must be UL classified fire rated ceiling diffuser assembly listed in Underwriters Laboratories Fire Resistance Directory. The diffuser shall be tested in accordance with UL 263 and must meet NFPA 90 requirements. The diffuser must be able to operate in 3-hour fire-rated, exposed grid suspended ceiling. The diffusers shall have a perforated face with 3/16" diameter holes on 1/4" centers resulting in a 51% free area. The diffuser backpan shall be constructed of heavy gage steel and provide a square neck.

The diffuser shall have four separate pattern deflectors mounted on the back of the perforated face and be field adjustable to provide vertical or 1, 2, 3, or 4-way horizontal projection of air in to the room. The perforated face must be easily removable from the backpan for access to the pattern deflectors for adjustments or removal.

PERFORMANCE

The manufacturer shall provide published (printed or electronic) performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315°F for 30 minutes. The paint thickness shall be 0.8 – 1.0 mils, gloss at 60° per ASTM D523-89 of 50 – 85%, pencil hardness per ASTM D3363-92A of HB – H, crosshatch adhesion per ASTM D3359-83 of 4B – 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

- 1. SERIES: (XXXXXX)**
6400FR - Square Neck, Steel Perforated Supply Diffuser with Face Mounted Deflectors, Fire Rated
- 2. PATTERN: (XX)**
04 - 4-Way
- 3. DIMENSION 1 x DIMENSION 2: (XX)x(XX)**
6"x6"
8"x8"
10"x10"
12"x12"
14"x14"
- 4. FRAME: (XXX)**
F23 - Lay-in T-Bar
- 5. PANEL: (XX)x(XX)**
24"x24"
- 6. FINISH: (XX)**
01 - Mill
03 - Black Backpan with British White Face
10 - Alumican
35 - Black
44 - British White



PERFORATED FACE DIFFUSERS

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4
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R

SAMPLE CONFIGURATION: 6400FR - 04 - 10x10 - F23 - 24x24 - 44