

S480 Suggested Specification & Configuration

S480

The heavy-duty return grille shall be a Krueger model S480. This grille must have 38° deflection (H and V models) on 1/2" centers or 0° deflection (HV and VZ models) on 3/8" centers made of 14 gage steel. The blades must be held in place by mullions placed behind the grille and welded to the frame. The frame of the grille must be constructed of a minimum of 16 gage steel with countersunk screw holes. This frame must also produce a border of 1 1/4" around all sides of the grille with mitered corners.

Optional damper shall be available made of heavy gage steel and operable from the face of the return grille.

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: (XXXX)

S480 - Steel, Heavy Duty Return Grille

2. PATTERN: (XX)

H - 38° Horizontal Deflection
 V - 38° Vertical Deflection
 HZ - 0° Horizontal Deflection
 VZ - 0° Vertical Deflection

3. WIDTH: (XX) *

6" - 96" in 2" Increments

4. HEIGHT: (XX) *

4" - 96" in 2" Increments

5. FRAME: (XXX)

F22 - Surface Mount

6. FASTENING METHOD: (XX)

00 - No Screw Holes
 01 - Standard Screw Holes
 03 - Knurled Knob **
 08 - 1/4 Turn Fasteners **

7. DAMPER: (XX)

00 - No Damper
 01 - Steel OBD

8. ACCESSORIES: (XX)

00 - No Accessories
 01 - Plaster Frame
 04 - 1" Filter Frame ***

9. FINISH: (XX)

01 - Mill
 10 - Alumican
 35 - Black
 44 - British White

* S480 Maximum single piece unit size is 48"x48".

** Knurled Knob and 1/4 Turn Fastening Methods are only available with filter frame accessories.

*** S480 Maximum unit size with filter frame is 24"x24".

SAMPLE CONFIGURATION: S480 - VZ - 20x22 - F22 - 01 - 01 - 01 - 44