

S80P / S580P

Return Grille | Perforated Face



ENGINEERING SPECIFICATION & CONFIGURATION

S80P, S580P

The return grille shall be a Krueger model S80P (steel) or S580P (aluminum). This grille must have 3/16" holes on 1/4" staggered centers resulting in a 51% free area face made of steel (S80P) or aluminum (S580P). The frame of the grille must be constructed of 22 gage steel (S80P) or extruded aluminum with nominal thickness 0.040 – 0.050" (S580P) 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 (OBD) or aluminum (5OBD) and operable from the face of the return grille.

Optional filter frame shall be available enabling the return grille to accept standard 1" or 2" filters.

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: (XXXXX)

S80P - Steel perforated return
S580P - Aluminum perforated return

2. WIDTH: (XX) *

6" - 240" in 1/4" increments

3. HEIGHT: (XX) *

4" - 240" in 1/4" increments

4. FRAME: (XXX)

F22 - Surface mount
F23 - Lay-in T-bar
F98 - Narrow-T

5. PANEL: (XX)x(XX)

NONE
24"x12"
24"x24"
48"x24"

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 opposed blade damper (model OBD)
13 - Painted opposed blade damper (model POBD)
15 - Aluminum opposed blade damper (model 5OBD)

8. ACCESSORIES: (XX) (XX)

00 - No accessories
01 - Plaster frame (model 8PF)
04 - 1" filter **
05 - 2" filter **

9. FINISH: (XX)

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

* Maximum Grille size is 240"x96" or 96"x240".

** Knurled knob and 1/4 turn fastening methods are only available with filter frame accessories.

SAMPLE CONFIGURATION: S80P - 40x20 - F23 - 24x48 - 00 - 00 - 00 - 00 - 44