

**R580, R580RD, R580RR Suggested Specification & Configuration**
**1. SERIES: (XXXXXX)**

- R580 - Aluminum, Round Single Deflection, Concealed Mount
- R580RD - Aluminum, Round Single Deflection, Round Duct Adaptor
- R580RR - Aluminum, Round Single Deflection, Round Duct Reducer

**2. SIZE: (XX) \***

- 06 - 6" Unit Size
- 08 - 8" Unit Size
- 10 - 10" Unit Size
- 12 - 12" Unit Size
- 14 - 14" Unit Size
- 16 - 16" Unit Size
- 18 - 18" Unit Size
- 20 - 20" Unit Size
- 22 - 22" Unit Size
- 24 - 24" Unit Size

**3. FINISH: (XX)**

- 01 - Mill
- 36 - Black
- 44 - British White
- 50 - Bright White
- 61 - Gray Prime
- 70 - Silver Metallic
- 99 - Custom Color

\* Unit and duct sizes are not the same for model R580RD.

**R580**

The single deflection round supply grille shall be a Krueger model R580. This grille must have individually adjustable blades on 1" centers with friction pivots made of extruded aluminum with an airfoil shape and have a maximum thickness of .2275" and a minimum thickness of no less than .0625". The flange of the R580 shall be made of aluminum and have a minimum thickness of .072". A foam gasket on the reverse side of the flange shall be provided by the manufacturer. The single deflection round supply grille shall have a concealed mounting system that includes a separate duct mounting ring. Screw holes on the face of the unit are not acceptable.

**R580RD**

The single deflection round supply grille shall be a Krueger model R580RD. This grille must have individually adjustable blades on 1" centers with friction pivots made of extruded aluminum with an airfoil shape and have a maximum thickness of .2275" and a minimum thickness of no less than .0625". The flange of the R580RD shall be made of aluminum and have a minimum thickness of .072". The single deflection round supply grille shall slide cleanly over the end of exposed duct work and be secured with screws provided by the manufacturer. The screws shall mount to the side of the grille. Screw holes on the face of the unit are not acceptable.

**R580RR**

The single deflection round supply grille shall be a Krueger model R580RR. This grille must have individually adjustable blades on 1" centers with friction pivots made of extruded aluminum with an airfoil shape and have a maximum thickness of .2275" and a minimum thickness of no less than .0625". The flange of the R580RR shall be made of aluminum and have a minimum thickness of .072". The single deflection round supply grille shall slide cleanly into end of exposed duct work and be secured with screws provided by the manufacturer. The screws shall mount to the side of the grille. Screw holes on the face of the unit are not acceptable.

**PERFORMANCE**

The manufacturer shall provide published performance data for the grille. The grille 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 #70 Silver Metallic and be a P-Series Powder Coating finish, baked at 400°F for 7 minutes. The paint thickness shall be 1.8 – 2.2 mils, pencil hardness per ASTM D3363 of H – 2H, crosshatch adhesion per ASTM D3359 of 4B, impact per ASTM D2794 of direct and reverse impact range of 40 to 160 in/lb depending on formulation, salt spray per ASTM B117 of 1000 hours, humidity per ASTM D2247 of 1000 hours and water soak per ASTM D8702 of 500 hours.