



MODELS:  
**1010/1020**

**Low Leakage  
Steel Vee Blade**

<b>Min. Single Section</b>	Single Blade: 6" x 4" (152 x 102) Two Blade (Parallel or Opposed): 8" x 10" (203 x 254)
<b>Max. Single Section</b>	48" x 72" (1219 x 1829)
<b>Max. Multiple Section</b>	Unlimited

**Temperature Range:**  
-50°F – +180°F (-45°C – +82°C)

- Popular choice for low to medium velocity/pressure commercial HVAC systems
- Concealed linkage for reduced pressure drop, air turbulence, and noise
- Leakage less than 10 cfm/ft<sup>2</sup> @ 4 in. w.g. (51 L/s per m<sup>2</sup> @ 1 kPa)
- Variety of actuators available for factory or field installation
- Optional S. S. construction, heavier gauge frame construction, front/rear or double flange frame, and other options available

MODELS:  
**1012/1022**

**No Blade Seals  
Steel Vee Blade**

<b>Min. Single Section</b>	Single Blade: 6" x 4" (152 x 102) Two Blade (Parallel or Opposed): 8" x 10" (203 x 254)
<b>Max. Single Section</b>	48" x 72" (1219 x 1829)
<b>Max. Multiple Section</b>	Unlimited

**Temperature Range:**  
-50°F – +180°F (-45°C – +82°C)

- Cost-effective choice for low to medium velocity/pressure commercial HVAC systems
- Concealed linkage for reduced pressure drop, air turbulence, and noise.
- Suitable for applications where leakage and tight shut-off are not a concern
- Variety of actuators available for factory or field installation
- Optional S. S. construction, polyurethane blade seals, metallic jamb seals, heavier gauge frame construction, front/rear or double flange frame, and other options available

MODELS:  
**1110/1120**

**Ultra-Low Leakage  
Steel Airfoil Blade**

<b>Min. Single Section</b>	Single Blade: 6" x 6" (152 x 152) Two Blades (Parallel or Opposed): 6" x 10" (152 x 254)
<b>Max. Single Section</b>	48" x 72" (1219 x 1829)
<b>Max. Multiple Section</b>	Unlimited

**Temperature Range:**  
-50°F – +180°F (-45°C – +82°C)

- AMCA Licensed
- Economical choice for low to medium velocity/pressure commercial HVAC systems
- Offers excellent leakage and pressure drop characteristics.
- Variety of actuators available for factory or field installation
- Optional S. S. construction, heavier gauge frame construction, front/rear or double flange frames, face and bypass configurations, and other options available

MODELS:  
**2010/2020**

**Ultra-Low Leakage  
Aluminum Airfoil Blade**

<b>Min. Single Section</b>	Single Blade: 8" x 8" (203 x 203) Two Blade (Parallel or Opposed): 8" x 12" (203 x 3505)
<b>Max. Single Section</b>	60" x 72" (1524 x 1829)
<b>Max. Multiple Section</b>	Unlimited

**Temperature Range:**  
-50°F – +250°F (-45°C – +157°C)

- AMCA Licensed<sup>1</sup>
- High performance suitable for high velocity, medium pressure commercial and industrial HVAC systems
- Offers Class 1A leakage and pressure drop characteristics.
- Variety of actuators available for factory or field installation
- Optional S. S. construction, front/rear or double flange frames, face and bypass configurations, extruded aluminum frame, and other options available

MODEL:  
**1090**

**Low Leakage  
Steel True Round**

<b>Min. Single Section</b>	4" (102) Dia.
<b>Max. Single Section</b>	24" (610) Dia.

**Temperature Range:**  
-50°F – +180°F (-45°C – +82°C)

- Ruggedly built for long life and low leakage requirements
- Quick and simple installation
- Designed for a wide range of round ductwork applications
- Suitable for low to medium velocity and pressure HVAC systems
- Variety of actuators available for factory or field installation
- Optional S. S. construction, variety of bearings, hand-locking quadrant, and other options available

NOTE: Max size and performance varies across models. Check submittal data sheets and RAPP for the most up to date information.

**Per International Energy Conservation Code (IECC) and ASHRAE Standard 90.1:  
Outside Air Dampers should have a leakage not more than 4 cfm per sq. ft<sup>2</sup> (21 L/s per m<sup>2</sup>)  
at 1.0 in. w.g. (0.25 kPa) when tested in accordance to AMCA 500D.**

For the most up to date information, go to  
**nailor.com**