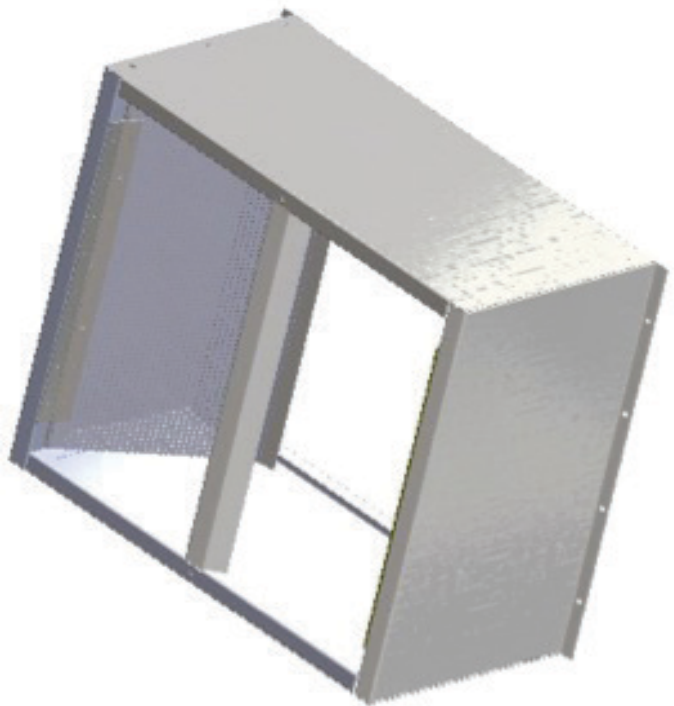




Fan Array™ Backflow Preventer (Patent Pending)

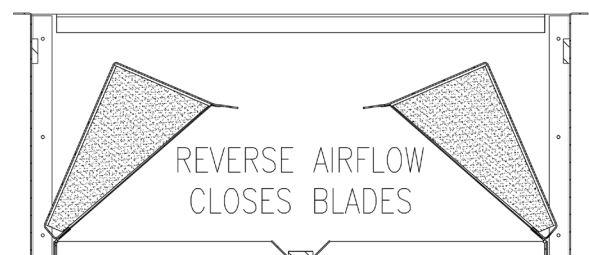
Key Features:

- Designed to prevent air from short circuiting a fan in an array when turned off for service.
- Always open during normal operation. Closes automatically when a fan is turned off while others are running.
- Reduces radiated inlet fan sound.
- Has no adverse system effect on the fan & smooth transition improves fan performance by up to 3%.
- Materials: Can be made from a variety of materials such as: Galvanized steel, Aluminum or Stainless. Special materials are available upon request.



Specification:

Fan array to be complete with integral backflow preventer installed on each fan module. Backflow preventer shall be made from materials consistent with the unit interior. Fan backflow preventer shall be designed with a smooth transition to increase fan efficiency and damper to have no adverse system effect on the fan. Blades to be acoustically lined with perforated inner face reducing the inlet sound from the fan by a minimum of 12dBA. Backflow preventer is to be designed to remain open at all times except under the loss of a fan in the array, where the disabled fan backflow preventer will close, while the other fans remain in operation.





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