

AIR SUPERIORITY™ AIR KNIVES

Engineered for efficiency and precision air blow-off

Vortron Industrial, providing TOTAL ENGINEERED SOLUTIONS to your air movement and drying needs, can design Air-Knife Systems applicable to any manufacturing process. **Air Superiority™** Air Knives are engineered to provide a highly concentrated laminar flow that exits the air-knife nozzle as an uninterrupted continuous air curtain with a well-controlled pattern.

As an alternative to ineffective, low-velocity, and/or low-flow air blow-off systems, **Air Superiority™** Air-Knife Systems provide the correct balance of air velocity and mass flow. This balance is required for effective and efficient performance in applications such as continuous coating control, cooling (air quench) and debris removal, as well as air drying and many others.



Engineered For Maximum Performance of Your **AIRPOWER®** System!

- Superior Air-Flow Capacity with efficiencies exceeding 95%.
- Optimum Aerodynamic Design with extended edge (Coanda effect) to achieve high velocity and laminar flow.
- Exit velocities from 10,000 to 45,000 ft/min.
- Reduces energy consumption by improving overall system efficiency.



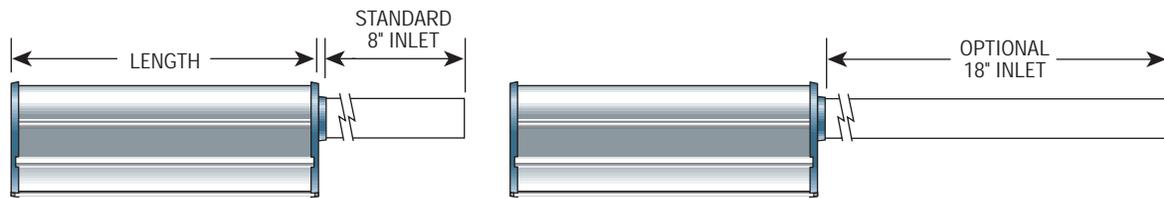
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AIR-KNIFE DIMENSIONS AND ORIENTATIONS



Standard slot gaps 0.035" or 0.045", optional gaps from 0.020" to 0.070".

Description	Micro-Body	Extruded	Small-Body	Large-Body
OD & Length Inlet	1.5" x 8.0"	2.0" x 8.0"	2.0" or 3.0" x 8.0"	3.0" or 4.0" x 8.0"
OD Manifold	2.47"	3.5"	3.5"	4.5"
Height (H)	3.23"	5.75"	6.03"	7.74"
Length (L)	Up to 36"	Up to 78"	Up to 48"	Up to 154"
Material	Stainless Steel	Aluminum	Stainless Steel	Stainless Steel
Finish	Polished			

Orientations: (Middle Inlets Available on Stainless Steel Air Knives Only)

<p>LEFT-HAND INLET</p>	<p>VERTICAL MIDDLE INLET</p>	<p>270° MIDDLE INLET</p>
<p>RIGHT-HAND INLET</p>	<p>DUAL INLET-VERTICAL MIDDLE INLET</p>	<p>90° MIDDLE INLET</p>
<p>DUAL INLET</p>	<p>DUAL VERTICAL MIDDLE INLET</p>	<p>DUAL INLET-DUAL VERTICAL MIDDLE INLET</p>



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