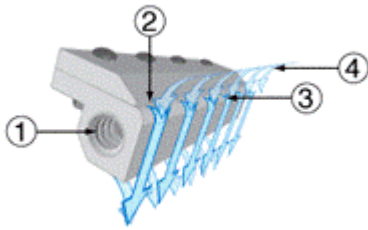


Dovey Exair Air Knives

- Excellent Scrap Removal
- Improves Quality and Downtime

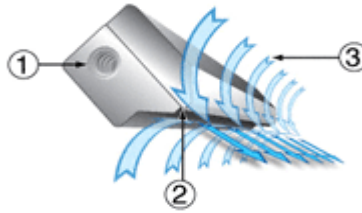


Standard Air Knife

- Up to 10 dBA noise reduction
- Reduced air consumption
- 30:1 air amplification
- Aluminum or stainless steel
- Variable force and flow
- Stock lengths to 48"
- Unlimited system lengths
- No moving parts
- Compressed air inlets on each end
- Compact, rugged, easy to install

How the Standard & Full Flow Air Knife™ works...

Compressed air flows through the inlet (1) into the plenum chamber. It is then throttled through a thin nozzle (2), extending the length of the Standard Air Knife. This primary air stream adheres to the coanda profile (3), which turns it 90° and directs the flow down to the face of the unit. The primary stream immediately begins to entrain surrounding air (4), for an amplification ratio of 30:1 at 6" (152mm) away.

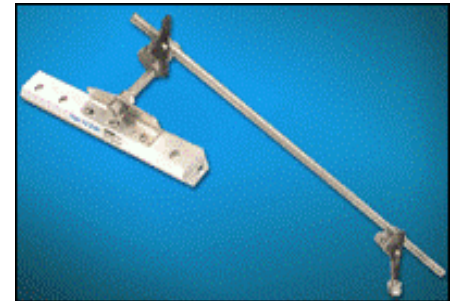


Super Air Knife

- Up to 69dBA for most applications
- Minimal air consumption
- 40:1 air amplification
- Uniform flow across entire length
- Easy mounting - using Universal Air Knife Mounting System (shown at right) or compressed air inlets on each end and bottom
- Stainless Steel screws in all models
- Variable force and flow
- 316 stainless steel available on special order
- Special lengths available
- Stock lengths to 48" in aluminum and stainless steel for temperatures up to 800° F, food processing or corrosive environments
- Unlimited systems lengths of airflow
- No moving parts
- Compressed air inlets on each end
- Compact, rugged, easy to install

How the Super Air Knife Works...

Compressed air flows through the inlet (1) into the plenum chamber of the Super Air Knife. The flow is directed to a precise, slotted orifice. As the primary airflow exits the thin slotted nozzle (2), it follows a flat surface that directs the airflow in a perfectly straight line. This creates a uniform sheet of air across the entire length of the Super Air Knife. Velocity loss is minimized and force is maximized, as the room air (3) is entrained into the primary air stream at a ratio of 40:1. The result is a well defined sheet of laminar air flow with a hard-hitting force and minimal wind shear.



Universal Air Knife Mounting System...

The Universal Air Knife Mounting System is used to provide secure, precise positioning for any of our air knives. The air knife can quickly and easily be moved within close proximity of the part, to improve the effectiveness. It can be mounted on either the top or bottom of most air knives. The Universal Air Knife Mounting System has a durable stainless steel construction that is suitable for a variety of industrial applications

IMPORTANT NOTE: To calculate air consumption, multiply length by 3.4 SCFM, with inbound air supply @80 psi.

Your Dovey Area Managers are:

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