

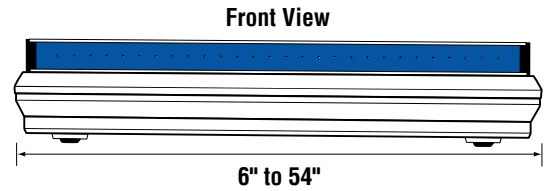


## Super Air-Knife Specifications

A complete system contains an Ion-Jet Super Air-Knife with a 10 ft. power cable and a power supply. The power supply must be ordered separately.

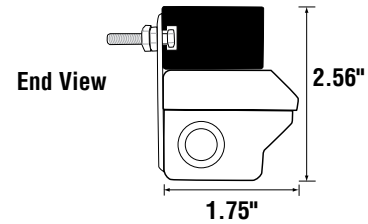
### Super Air-Knife:

Minimum Air Pressure: 5 PSIG  
 Maximum Air Pressure: 100 PSIG  
 Air Amplification: 40:1  
 Dimensions: Available in 6" to 54" lengths in six inch increments. Air-Knives can be ganged for applications requiring longer lengths.



### Power Supply:

115 or 220 volts, 50/60 HZ, AC  
 Current: 0.5 AMP  
 Weight: 5 lbs.  
 Dimensions: 3.5"W x 3.25"H x 5.5"L



### Options:

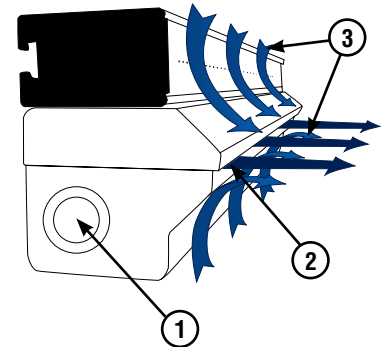
Part #2224 - Air Regulator with Mounting Bracket  
 Part #2223 - Air Pressure Gauge

### Shim Sets:

Standard unit includes a .002" shim. Each optional shim set includes a .001" shim, a .003" shim and a .004" shim.

## How the Super Air-Knife Works

Compressed air flows through the inlet (1) into a 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 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 airstream at a ratio of 40:1. The result is a well defined sheet of laminar airflow with hard-hitting force and minimal wind shear.



### Super Air-Knife Performance\*

Air Consumption per inch (25mm)		Velocity at 6" (15cm) from target		Sound level at 3' (91cm)	Force per inch (2.5cm) at 6" (15cm) from target	
SCFM	SLPM	FPM	M/S	dBA	OUNCES	GRAMS
17.4	492	11,800	57.9	69	2.5	71

\* All measurements taken at 80 PSIG (5.5 BAR);  
 6" (153mm) Super Air-Knife tested

### Super Air-Knife Air Consumption\*

Pressure Supply		Air Consumption per Inch (25mm)	
PSIG	BAR	SCFM	SLPM
20	1.4	1.1	31
40	2.8	1.7	48
60	4.1	2.3	65
80	5.5	2.9	82
100	6.9	3.5	99

\*with .002 (.05mm) thick shim installed;  
 12" (305mm) Super Air-Knife tested



## TAKK INDUSTRIES INCORPORATED

8665 E. Miami River Rd. Cincinnati, OH 45247 USA  
 Fax (513) 353-4315 Phone (800) 792-8255 or (513) 353-4306  
[www.staticinsel.com](http://www.staticinsel.com) [www.takk.com](http://www.takk.com) [sales@takk.com](mailto:sales@takk.com)