



Air-Operated Air Knife Ionizer

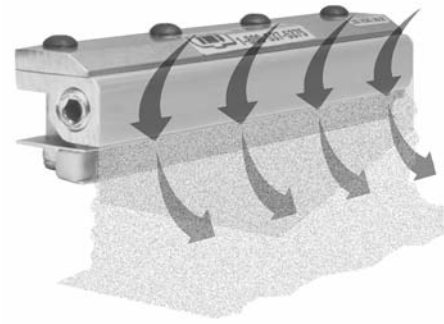
Neutralize static charges

The EXAIR-Ionizer™ solves the problems of static charge build-up. Use it on parts conveyors, parts discharge chutes, machine beds and worktables. It quickly and safely neutralizes static electricity on plastic parts, eliminating sticking parts, dust attraction and static shock hazards. The product is easy to operate and install. Simply connect clean air and a power supply and then mount close to the parts.

- Ionizing range: up to 20'
- Cleans parts as it neutralizes
- Bar lengths from 6" to 48"
- Duplex outlet for use with two bar assemblies
- 6' grounded power cord with plug
- Ionizing bar with 5' connector cable
- Power supply (110/60/1)
- 1/4"-18 N.P.T. air supply inlet

Note: Do not use near flammable materials or gases. Power supply, ionizing bar, and mounting surface must be well grounded.

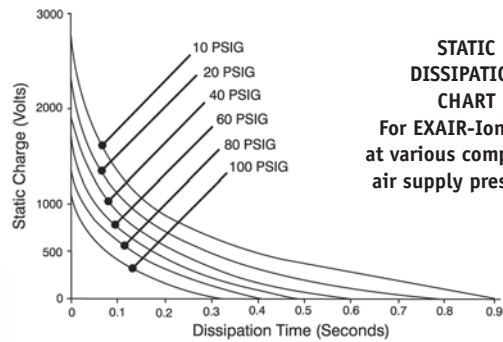
The EXAIR-Ionizer™ has no moving parts. With proper filtration, it will operate for years with no maintenance required. (Proper filter must be used to maintain warranty)



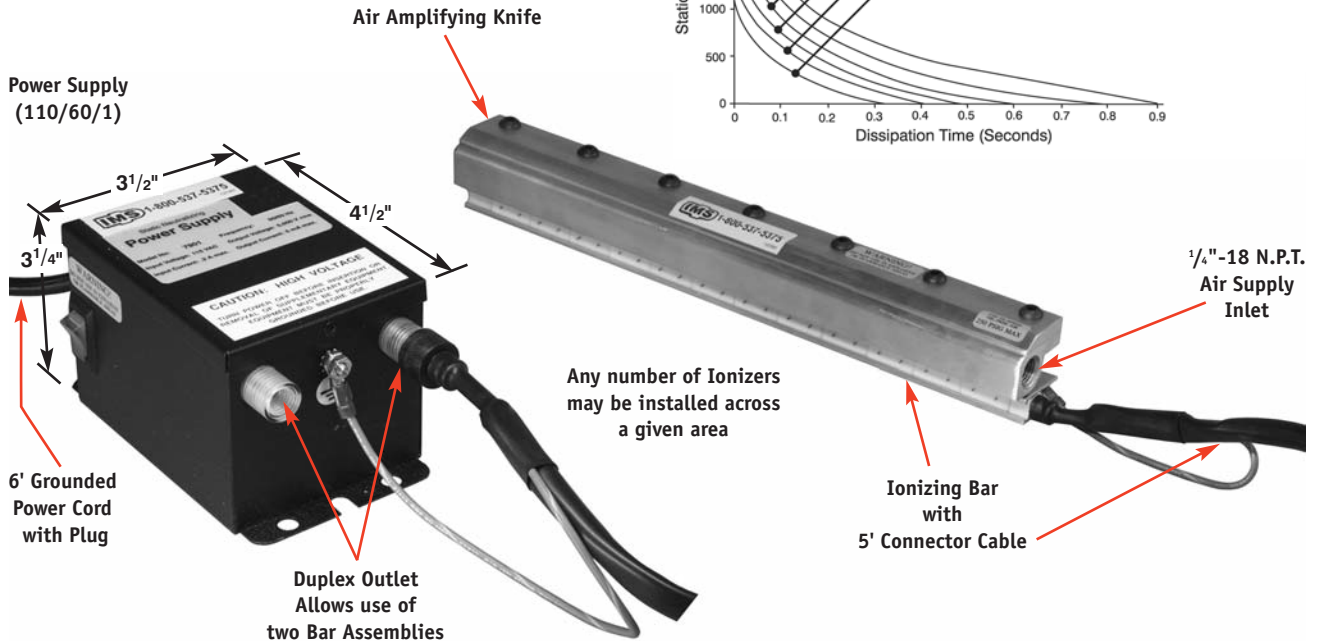
How the EXAIR-Ionizer™ works

The EXAIR-Ionizer™ consists of an EXAIR-Knife™ (see page 659) in combination with an electrically operated air-ionizing bar, which creates a curtain of ionized air. This charged field, consisting of both positive and negative ions, imparts a balancing charge to any material passing near it. Though positive and negative ions tend to recombine very quickly, the air knife's high velocity air stream delivers the ion cloud to the work surface before the ions have an opportunity to recombine. Thus, the EXAIR-Ionizer™ can achieve effective neutralization at distances not possible before. The high velocity air stream from the EXAIR-Knife™ also blows loose dust and dirt from the neutralized surface.

EXAIR-Ionizer™ Performance (Dissipation Rate 12" from target)



STATIC DISSIPATION CHART
For EXAIR-Ionizer™ at various compressed air supply pressures.



EXAIR® and EXAIR-Ionizer™ are trademarks of EXAIR Corp.



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Specifications and Prices

Construction: Knife - aluminum (stainless steel available)
 Ionizing bar:
 emitters - stainless steel
 bar channel - aluminum
 plastic parts - UL rated 94HB
 Ionizing bar cable will withstand 50kV peak for 5 min.

Certifications: Ionizing bars are UL component recognized (CSA certified)
Output: 5 kVrms for a sine wave or 7kVpeak for other wave forms (Use power supply limited to 5 mA max.)

Electrical Hazard: Shockless (less than 0.04 mA per point short circuited)

Air Inlets: 1/4" NPT on both ends

Max. Ambient Temperature: 165° F (73° C)

Air Flow Length*	Air Knife and Ionizing Bar		Air Knife, Ionizing Bar and Power Supply		Air Consumption at 80 psi
	Item #	Prices	Item #	Prices	
3"	144326	\$236.80	144331	\$ 504.60	10.25 CFM
6"	107424	267.70	104450	484.00	20.5 CFM
9"	144327	321.25	144332	597.30	30 CFM
12"	107422	333.70	104447	540.65	41 CFM
18"	107421	379.95	104446	607.60	61.5 CFM
24"	107418	442.80	104445	659.10	82 CFM
30"	107416	540.65	104455	717.80	102.5 CFM
36"	144328	648.80	144333	854.80	123 CFM
42"	144329	734.40	144334	1002.20	143.5 CFM
48"	138475	819.90	144330	1087.70	164 CFM

Special length Ionizing Bars up to 119" are available — Inquire

Spare Parts

Air Flow Length*	Ionizing Bar and Cable Only		Air Knife Only	
	Item #	Prices	Item #	Prices
3"	144322	\$119.50	144313	\$109.00
6"	107420	137.90	104468	119.90
9"	144323	169.95	144314	146.00
12"	107417	161.60	104467	139.90
18"	107414	195.60	104471	174.90
24"	107410	212.10	104470	197.90
30"	107423	236.80	104469	254.90
36"	144324	288.40	144310	342.00
42"	144325	314.15	144311	388.00
48"	141728	339.90	144312	446.00

*Actual length of knife is 1" greater than air flow length

NOTE: Air Knives can be combined for longer lengths. Due to the 1/2" of dead-space on each end of the knife, end to end mounting leaves 1" gaps in the air curtain. See Super Air Knife (page 660) for continuous end to end coverage.

*Ask About Optional Accessories
 (Shim Kits, Multiple Outlet Power Supplies, etc.)*

**Warning: Do not use near flammable materials or gases.
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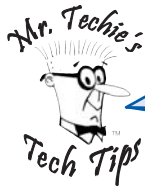
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Air-Operated Air Knife Ionizer Optional Accessories

Optional Accessories		
144315	3" Air Knife Shim Kit	\$ 8.85
134267	6" Air Knife Shim Kit	8.90
144316	9" Air Knife Shim Kit	11.85
134268	12" Air Knife Shim Kit	11.40
134269	18" Air Knife Shim Kit	13.90
144317	24" Air Knife Shim Kit	18.45
144318	30" Air Knife Shim Kit	21.55
144319	36" Air Knife Shim Kit	22.75
144320	42" Air Knife Shim Kit	27.20
144321	48" Air Knife Shim Kit	30.80
104454	Air Filter for #104450, #104447	77.15
104452	Air Filter for# 104446, #104445, #104455	128.65
104451	Air Regulator for #104450, #104447	41.15
104448	Air Regulator for #104446, #104445, #104455	65.80
107413	5' connector cable extension	65.80
106717	2 Outlet Power Supply 115V	226.50
138476	4 Outlet Power Supply 115V	299.90
144339	Universal Air Knife Mounting System (use 2 mounting kits for knives over 24" long)	164.90



Install a pressure gauge right before your air knife to insure you are receiving an accurate pressure reading.
Use a tooth brush to keep Static Air Knife Ionizer clean for consistent operation.

— Upgrade to a **Super Air Knife** —
GREATER air amplification with LESS noise.



See page 660



= Highest Quality & Value Products



= Industry Standard Quality Products



= Value-Priced Supplies



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