

THE WORLD LEADER IN COMPRESSED AIR INNOVATION & MANAGEMENT



ULTRA-EFFICIENT COMPRESSED AIR SOLUTIONS

COOLING | AIR AMPLIFICATION | VACUUM SYSTEMS | STATIC ELIMINATION

Engineers by nature are inquisitive people, and we're no exception. Cabinet coolers, Air Amplifiers, Air Saver Nozzles—these and many of our other products sound as if they are too good to be true. But after applying these products to all types of processes for over 20 years, our customers can tell you they are for real. If you are interested in saving money by using compressed air more efficiently while also implementing an environmentally friendly solution, **AiRTX products can make the difference you're looking for.**

If you're looking for a way to speed up a dry machining operation, eliminate static electricity on a product, cool an overheated electronic control, or improve productivity in hundreds of other ways, we're positive AiRTX can help you achieve and exceed your goals.

Will it work? Have I sized the product correctly? Will it tolerate factory conditions? We expect questions from you. If you haven't used one of our products before, we don't want you left guessing. Our experienced application engineers are ready to walk you through to a solution that works the first time. They have decades of experience in the proper use of AiRTX products. It's absolutely free, and you're under no obligation—just give us a call!

Questions? Our engineers are here to help FREE OF CHARGE. Just give us a call at 513-631-0660.

HERE'S WHAT OUR CUSTOMERS HAVE TO SAY:

"Our customer requires the end product to be mirror finished and any discoloration from the heat results in a scrap product—causing us to change inserts constantly. The Stainless Steel Model Air Gun 60040 converts normal shop air into a sub-zero air stream and provides instant spot cooling, allowing us to operate far more efficiently and reduce scrap product. **The AiRTX Air Gun Model 60040 increased production by 400% and was paid for during the first hour's run of products.**"

—MIKE BARBER, OWNER
OF QULITURN MACHINING CENTER

"Our stamping plant used ¼" open copper tubes to help eject parts from our 57 stamping machines. However, the moving, cleaning and changing of dies meant bending, crimping and often changing the ¼" copper tubes—causing them to fail every two to three days. **We've replaced our copper tubes with Sta-Put Hoses and Air Saver Nozzles and drastically reduced our costs associated with this process.** The smarter use of compressed air allowed us to shutdown a 50 HP compressor that was no longer needed, saving \$16,000 per year."

—AUTOMOTIVE RADIO PARTS
STAMPING PLANT

"The AiRTX Cold Air Gun is such a simple and clean way to eliminate a time consuming step in making furniture. **I use it in almost every drilling, sawing or router operation.** The AiRTX Cold Air Gun also increases tool life by lessening the small heat cracks in the sharp edges of the tools and that means a sharper edge for a larger period of time."

—BURT AARSEN, OWNER OF 1ST IN DESIGN

"We recently purchased the AiRTX Stainless Steel Air Gun and have found it to be a great product. We tested the Air Gun on one of our lathes as well as our horizontal end mill with double angle cutters and it increased tool life on the lathe by 300% with mild steel. In addition, tool life on the end mill was increased by 250% with stainless steel and 350% with mild steel. **I figure that the Air Gun paid for itself within three weeks of purchase.** I highly recommend AiRTX products."

—AGS GROUP, INC.

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INTRODUCING OUR COOLING PRODUCTS

A crafted, well designed and engineered part—the **Vortex Generator**—allows all AiRTX cooling products to deliver five different air flows 8, 10, 15, 25 or 35 CFM. The Vortex Generators are directly responsible for varying degrees of temperature drop from ambient.



YELLOW
8/10 CFM
@ 100PSI

600 BTU/H
OF COOLING

DROPS TEMP
95°F (35°C)
FROM
AMBIENT



RED
15 CFM
@ 100PSI

1,100 BTU/H
OF COOLING

DROPS TEMP
85°F (20°C)
FROM
AMBIENT



BLUE
25 CFM
@ 100PSI

1,800 BTU/H
OF COOLING

DROPS TEMP
75°F (23°C)
FROM
AMBIENT



ORANGE
35 CFM
@ 100PSI

2,800 BTU/H
OF COOLING

DROPS TEMP
65°F (18°C)
FROM
AMBIENT

VORTEX TUBES are designed to mounted in a fixed location for frequent use of cooling a specific spot.



PAGE 12

AIR GUNS have the same spot cooling efficiency of Vortex Tubes, but their magnetic base and flexible hose allows for repositioning and portability.



PAGE 16

CABINET COOLERS are designed to be mounted on an enclosure to ensure proper cooling of temperature sensitive internal components.



PAGE 8

THE CABINET COOLING ENCLOSURE has all the same great features of the Cabinet Coolers, but in a smaller all-in-one design.



PAGE 11

CABINET COOLERS

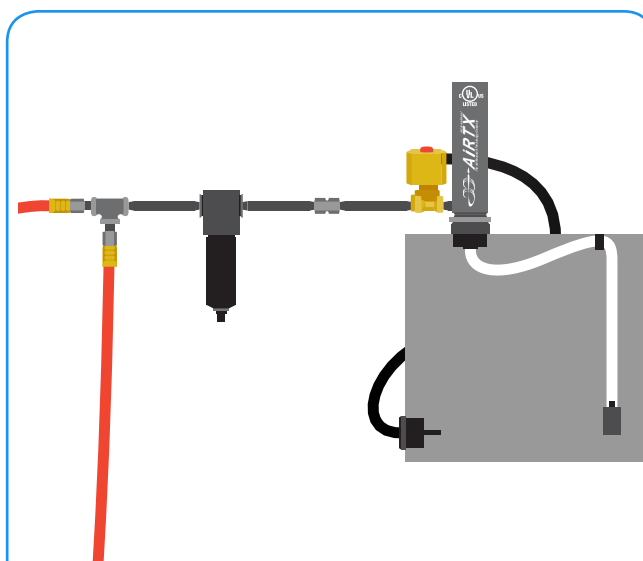
Freon-free, low-cost cooling for controls in hot, hazardous, corrosive or wash-down environments.



COOLING UP TO 5,600 BTU/H

All Cabinet Coolers are compatible with an optional thermostatic control unit that automatically regulates the temperature inside the enclosure.

A simple, interchangeable part—the Vortex Generator—allows the AiRTX Cabinet Cooler to deliver five different air flows 8, 10, 15, 25 or 35 CFM, each with two ranges of cooling performance (high or low).



APPLICATIONS

- Complement your own OEM equipment to create a better product.
- NC/CNC cabinets
- Industrial PCs
- PLCs
- Measuring instruments and recording devices
- Closed-circuit TV cameras
- Motor controls and relays

FEATURES & BENEFITS

- No maintenance—No moving parts
- Higher BTU per CFM than other cooling products
- Available in aluminum, stainless steel and 316 stainless steel
- Cooling available from 600–5,600 BTU/H
- No vibration to affect CCTV cameras
- Thermostatically controlled units available
- Compact for cramped factory areas
- Requires no electricity
- No RF/EMI interference
- Muffled for quiet operation
- Maintains NEMA 4, NEMA 4x, and NEMA12 integrity

Cabinet Coolers are designed to keep factory-floor controls online in the worst possible conditions with up to 5,600 BTU/H of cooling. **Dirt, moisture, hazardous or corrosive materials are the “Achilles’ heel” of industrial electronic systems**—and it’s a real hazard when you have to open the cabinet door to prevent heat build-up.

Compressed-air-operated stainless steel Cabinet Coolers use a low-cost, reliable Vortex Tube, to cool electrical enclosures with filtered air that’s 50°F / 27°C colder than your compressed air supply. A built-in relief valve lets hot air escape from the enclosure, while the Cabinet Cooler supplies clean, cold air. They mount in a standard electrical knockout to maintain a NEMA 4, 4X, or 12 rating. A built-in, heavy-duty muffler makes the Cabinet Cooler extremely quiet for use in production areas.

➔ Freon air conditioners must be deregulated by 65% at 90°F and 95% at 115°F. Therefore, the **freon air conditioners must operate longer than the Cabinet Cooler or be oversized to provide the same amount of cooling** during warmer weather when the ambient temperature is higher.

The recommended thermostat setting is 90°F (32°C). This setting is within the safe operating limits of most components and reduces condensation on the outside of the cabinet during hot humid weather. Temperature swings create connector stress, while excess heat dries circuit boards and result in life spans of the controls being cut in half for every 20°F (10°C) over normal operating temperatures of 100°F (38°C).

Cabinet Coolers are very inexpensive insurance against premature replacement of a \$2,000 to \$3,000 electronic circuit board.

MODELS

MODEL NUMBER	CONSTRUCTION	CERTIFICATIONS	BTU/H AVAILABLE
75000	Aluminum	NEMA 4/12	600–5,600
70000	Stainless Steel	NEMA 4/12	600–5,600
70000x	Stainless Steel	NEMA 12/4x	600–5,600
70000–316ss	Stainless Steel	NEMA 4/12	600–5,600
70000x–316ss	Stainless Steel	NEMA 12/4x	600–5,600

All Cabinet Coolers include a ducting kit and muffler. An optional 5 micron auto-drain filter, thermostat and solenoid valve are available.

COST COMPARISON

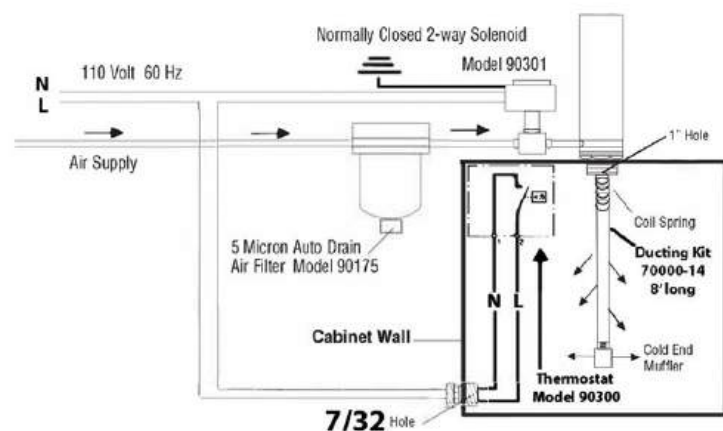
	AIRTX STAINLESS STEEL BTU MODEL 70325	FREON AIR CONDITIONER 1,800 BTU
INITIAL UNIT COST	\$602 (20 year life); \$30/year	\$2,000 (5 year life); \$400/year
INSTALLATION (ONE-TIME COST)	\$50/hour	\$50/hour
MAINTENANCE	\$0	4 hours/year for charging freon, cleaning & replacing filters, leak checks \$200 per year
OPERATION	5 hours/day, 9 months/year; \$288/year (Based on \$0.25/1000 cu. ft. of air)	7 hours/day, 9 months/year; \$250/year
TOTAL OPERATION COST	\$320.50/year	\$850/year (Not including downtime for repairs)

CABINET COOLER

TECHNICAL DATA

Typical Installation

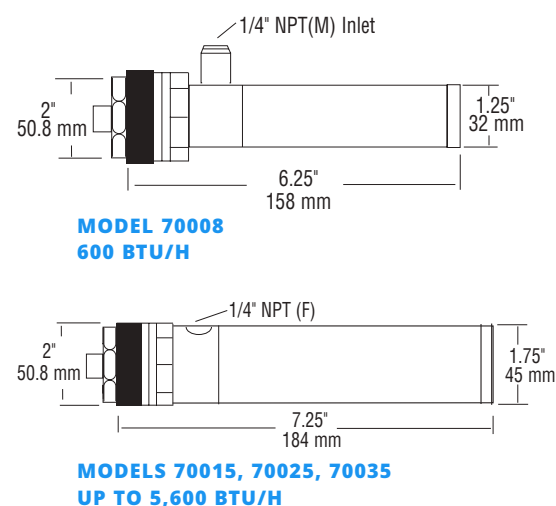
This is the typical installation of a Cabinet Cooler with optional 5-micron filter and thermostatic control unit.



70000 Series & 70000-316ss Series

Constructed from stainless steel or 316 stainless steel and compatible with NEMA 4/12 cabinets.

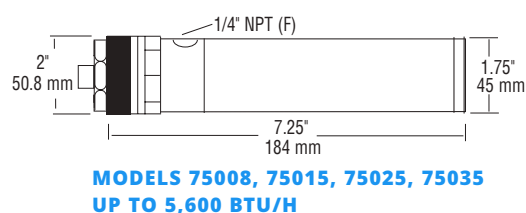
Note: 5,600 BTU/h of cooling requires two Model 70035 units.



75000 Series

Constructed from aluminum and compatible with NEMA 4/12 cabinets.

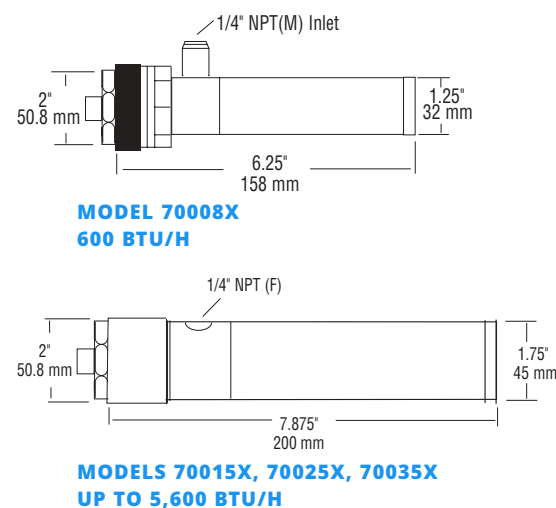
Note: 5,600 BTU/h of cooling requires two Model 75035 units.



70000x Series & 70000x-316ss Series

Constructed from stainless steel or 316 stainless steel and compatible with NEMA 12/4x cabinets.

Note: 5,600 BTU/h of cooling requires two Model 70035x units.

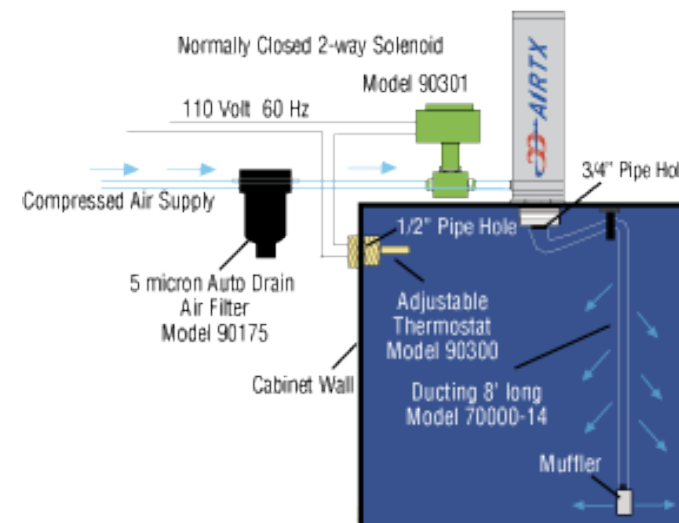


CABINET COOLER

ACCESSORIES

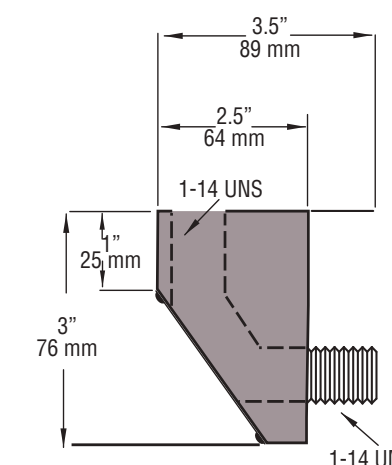
Cabinet Cooling Enclosure

An easy-mount, turnkey Cabinet Cooling Enclosure. The Cabinet Cooling Enclosure has all the critical components of a thermostatically controlled Cabinet Cooler packaged together in an ultra-convenient, turnkey enclosure. Simply attach a power supply and compressed air line, then mount the all-in-one enclosure to the cabinet.



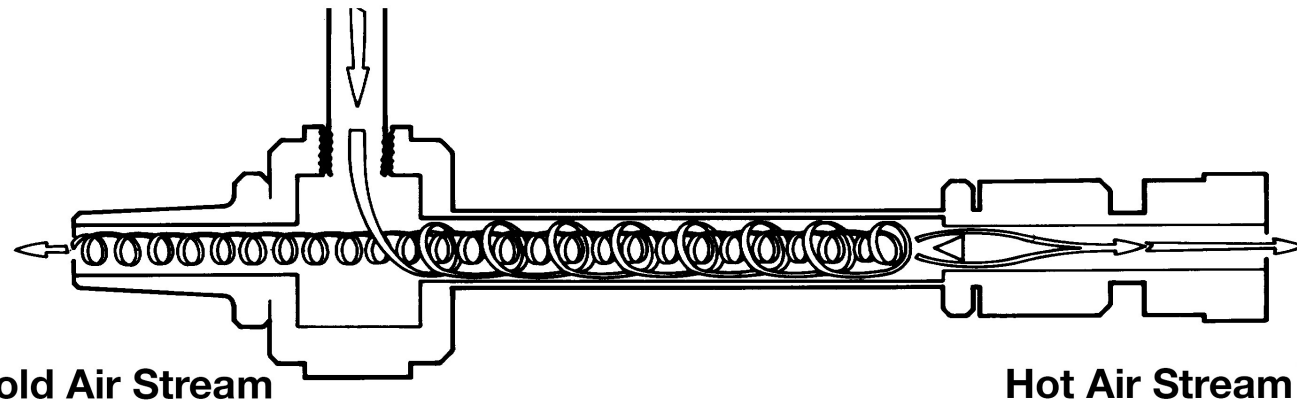
Cabinet Cooler Mounting Elbow

Perfect for tight spaces and upright positioning. The AiRTX Cabinet Cooler works efficiently no matter where it's placed and can be mounted anywhere using the Mounting Elbow, even in small spaces. The Model 70000-11 is attached to the cabinet wall through a 1" hole. O rings seal the mounting Elbow maintaining the integrity of a NEMA 4 or 12 Cabinet.



VORTEX TUBES

Reliable and efficient air with temperature control.



COOLING UP TO 2,800 BTU/H

A Vortex Tube turns standard compressed air into two air streams—one very cold and one hot—using no moving parts. **A simple, low-cost Vortex Tube can transform 70°F (21°C) input air into temperatures as low as -40°F (-40°C) as high as 230°F (110°C).** That's up to 2,800 BTU/H of cooling with air flow rates up to 35 CFM.

Simply set the cold temperature output with the handy control knob and your thermometer. **No tools are required.** Assuming your compressed air input pressure and temperature remain constant, a Vortex Tube will hold output temperatures $\pm 1^\circ\text{F}$ ($\pm 0.6^\circ\text{C}$).



A simple, interchangeable part—the Vortex Generator—allows the AiRTX Vortex Tube to deliver five different air flows 8, 10, 15, 25 or 35 CFM, each with two ranges of cooling performance (high or low).

FEATURES & BENEFITS

- No moving parts, portable, lightweight and low cost
- Uses no electricity, freon or chemicals
- Instant on/off, easy to control
- Generate cold and hot air from a single device
- Available in stainless steel or aluminum



2000 SERIES
STAINLESS STEEL

STAINLESS STEEL VORTEX TUBE

The 2000 series Vortex Tube is made from durable 304 stainless steel and can produce 600–2,800 BTU/H of cooling power.



2000-316 SERIES
STAINLESS STEEL

316 STAINLESS STEEL VORTEX TUBE

The 2000-316 series Vortex Tube is made from ultra-strong 316 stainless steel **to ensure it can withstand even the harshest environments** and can produce 600–2,800 BTU/H of cooling power.



2500 SERIES
ALUMINUM

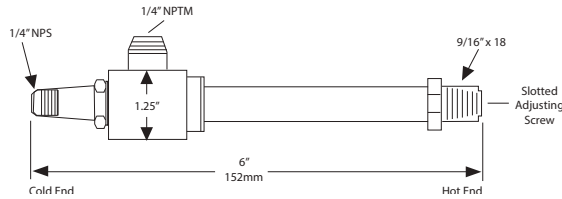
ALUMINUM VORTEX TUBE

The 2500 series Vortex Tube is made from durable and lightweight aluminum and can produce 600–2,800 BTU/H of cooling power.

VORTEX TUBES

TECHNICAL DATA

20000 Series

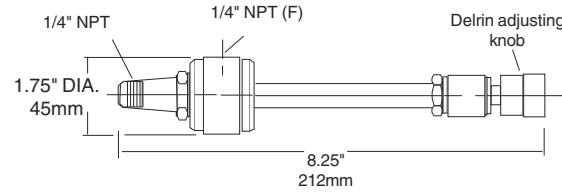


MODEL 20008
600 BTU/H

PERFORMANCE CHART

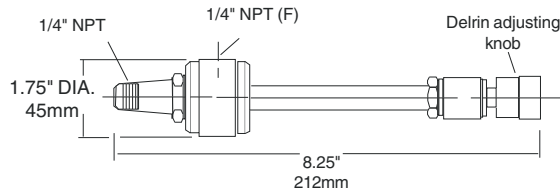
AIR INPUT (PSI)	100	100	100	100	100
CFM	8	10	15	25	35
BTU/H	600	600	1100	1800	2800
Temperature Drop*	95° F	95° F	85° F	75° F	65° F

* from ambient temperature



MODELS 20010, 20015, 20025, 20035
UP TO 2,800 BTU/H

20000-316 Series



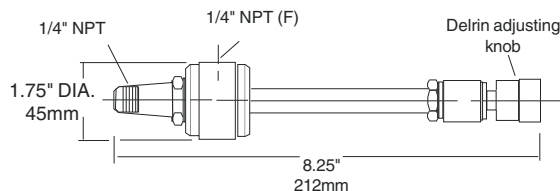
MODELS 20010, 20015, 20025, 20035
UP TO 2,800 BTU/H

PERFORMANCE CHART

AIR INPUT (PSI)	100	100	100	100
CFM	10	15	25	35
BTU/H	600	1100	1800	2800
Temperature Drop*	95° F	85° F	75° F	65° F

* from ambient temperature

25000 Series



MODELS 25010, 25015, 25025, 25035
2,800 BTU/H

PERFORMANCE CHART

AIR INPUT (PSI)	100	100	100	100
CFM	10	15	25	35
BTU/H	600	1100	1800	2800
Temperature Drop*	95° F	85° F	75° F	65° F

* from ambient temperature

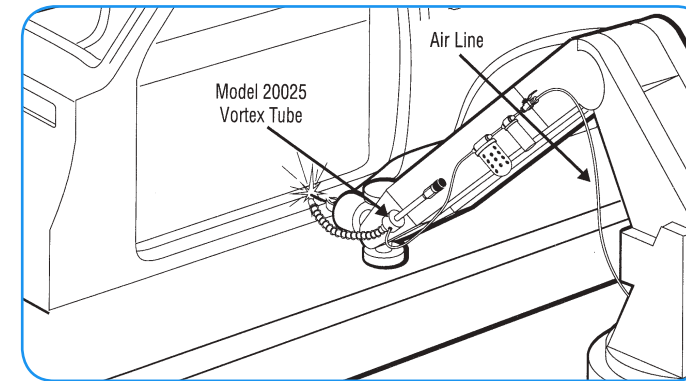
VORTEX TUBES

COOLING EQUATION

The cooling power in BTU/H can be found with the following formula.

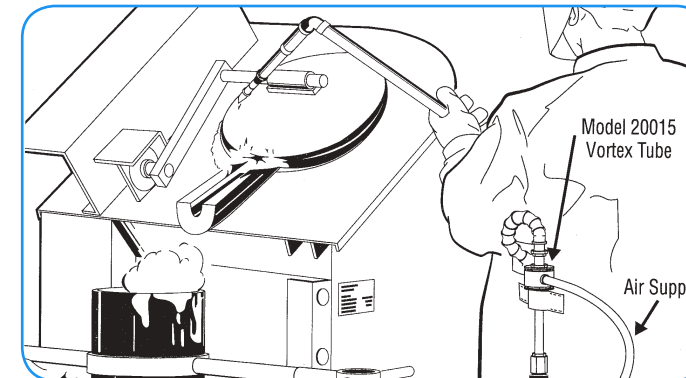
$$\text{BTU/H} = 1.0746 \times \text{CFM} \times (\text{Inlet Temperature} - \text{Outlet Temperature})$$

APPLICATIONS



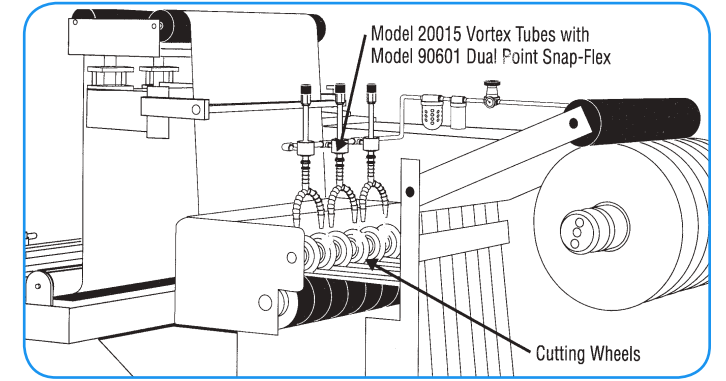
Spot Welding

Cooling this spot welding operation with a Vortex Tube virtually eliminates secondary smoothing operations and greatly improves the appearance of the product.



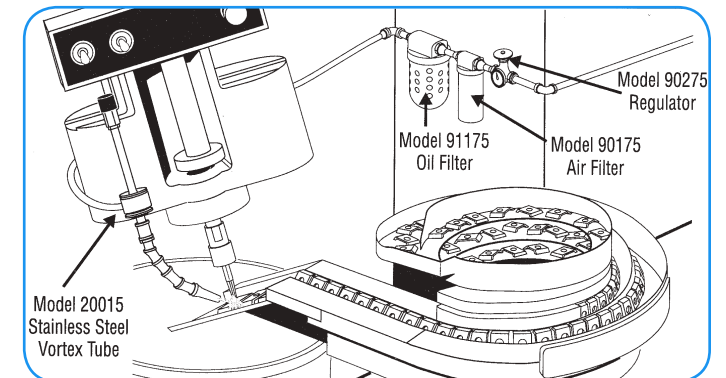
Foundry Operations

Cold air from a Vortex Tube is piped into a foundry worker's protective suit. The Vortex Tube has a large control knob, allowing the cold air to be adjusted while wearing gloves.



Slitting

Cutting wheels on this slitter can work at top speed—and stay sharper longer—when cold air from Vortex Tubes eliminate the frictional heat buildup. The trim edge is also cleaner.



Tapping

Tapping brass clips is completed without messy liquid coolants using 0°F (-18°C) air from a Vortex Tube to cool the tap. The brass does not have a chance to gum up, the cut is cleaner, and secondary cleaning operations are eliminated.

AIR GUNS

Sub-freezing air for dry machining and spot cooling industrial processes.

VARIABLE FLOW RATE UP TO 2,800 BTU/H OF COOLING

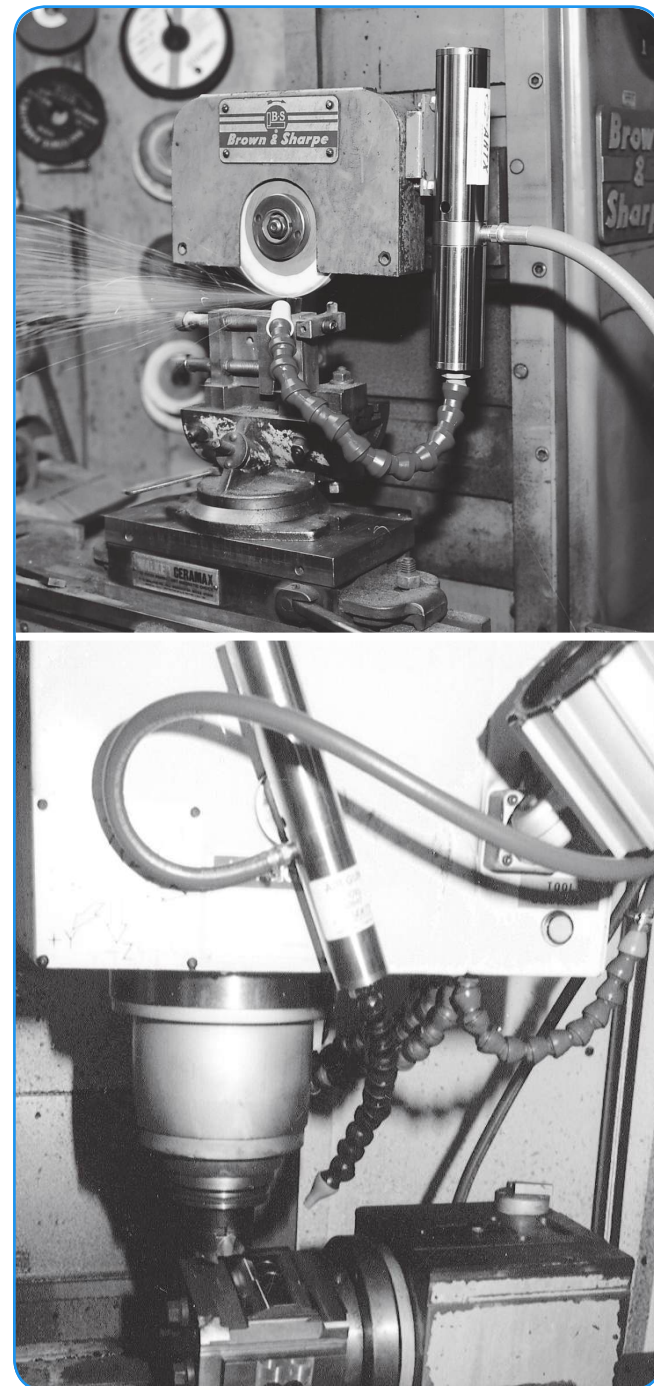
The AiRTX Air Gun is a portable cold-air source for improving dry machining operations or spot-cooling a wide range of industrial processes. At its core, the Air Gun is powered by a reliable AiRTX Vortex Tube and is available in a variety of flow and cooling rates. **Using 80 psi of compressed air, the Air Gun produces a stream of cold air 75°F (41°C) below your compressed air temperature.** Simply put the gun where you need it using the magnetic base and aim the cold air stream onto your work with the flexible hose.

Air Guns are heavy-duty and built for the rigors of the factory-floor. They are precision-machined from heavy-gauge stainless steel, then assembled and tested under strict quality control. They will never pit or rust when subjected to coolants, water, or other corrosive materials.

FEATURES & BENEFITS

- No liquids, ozone-depleting chemicals or residue
- Increase feeds, speeds and quality
- Eliminates liquid coolant cost, contamination, skin irritation and mess
- Finishes the job with a clean, dry part
- Improves tool life, production rates, finish and tolerances
- Eliminates micro-cracking and burning
- Reduces wheel loading and dressing

A simple, interchangeable part—the Vortex Generator—allows the AiRTX Air Gun to deliver five different air flows 8, 10, 15, 25 or 35 CFM, each with two ranges of cooling performance (high or low).



MAGNETIC BASE INCLUDED



MODEL 60015

AIR GUN

Made from durable stainless steel, it can produce air at flow rates of 10, 15, 25 or 35 CFM with up to 2,800 BTU/H of cooling power. The Air Gun is powered by the reliable AiRTX Vortex Tube and the internal Vortex Generator is a stationary, interchangeable component that determines the air consumption and cooling power.



MODEL 60051

ADJUSTABLE AIR GUN

Made from durable stainless steel with all the same features of the standard Air Gun, but with an adjustment knob to customize the flow and temperature range of the internal Vortex Generator.



MODEL 60061

ADJUSTABLE LOW-FLOW AIR GUN

Made from durable stainless steel in a smaller form factor than the Adjustable Air Gun, it utilizes only 10 or 15 CFM of air and splits the output stream into two separate, positionable streams of air.



MODEL 60071

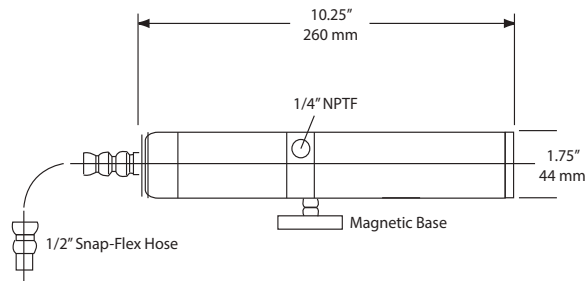
COMPACT AIR GUN

The Compact Air Gun is made from lightweight aluminum and is perfect for tight spaces or when moderate cooling power is all the job requires.

AIR GUNS

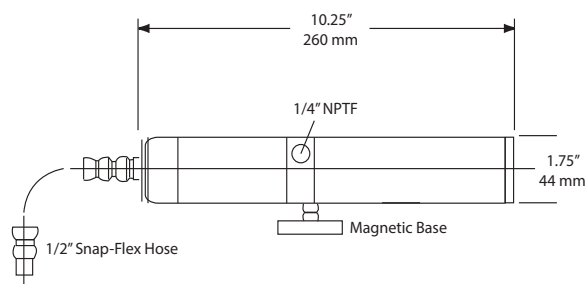
TECHNICAL DATA

Air Gun



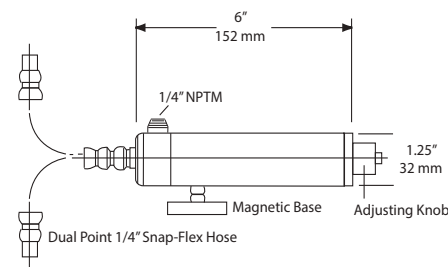
PERFORMANCE CHART		MODEL 60015				
AIR INPUT (PSI)	100	100	100	100	100	
CFM	8	10	15	25	35	
BTU/H	600	600	1100	1800	2800	

Adjustable Air Gun



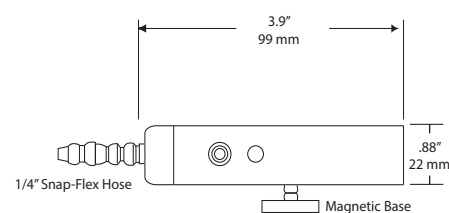
PERFORMANCE CHART		MODEL 60051				
AIR INPUT (PSI)	100	100	100	100	100	
CFM	8	10	15	25	35	
BTU/H	600	600	1100	1800	2800	

Adjustable Low-Flow Air Gun



PERFORMANCE CHART		MODEL 60061	
AIR INPUT (PSI)	100	100	
CFM	10	15	
BTU/H	600	1100	

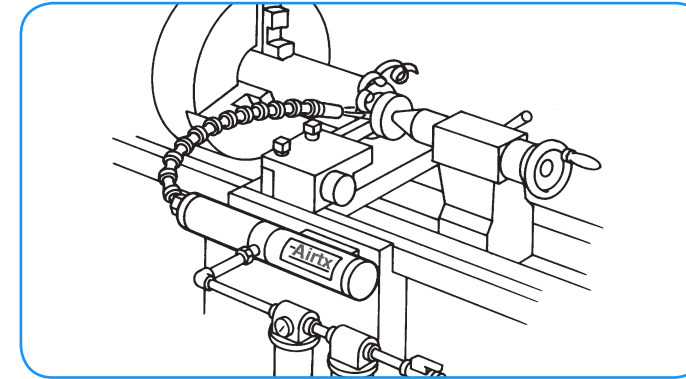
Compact Air Gun



PERFORMANCE CHART		MODEL 60071
AIR INPUT (PSI)	100	
CFM	8	
BTU/H	600	

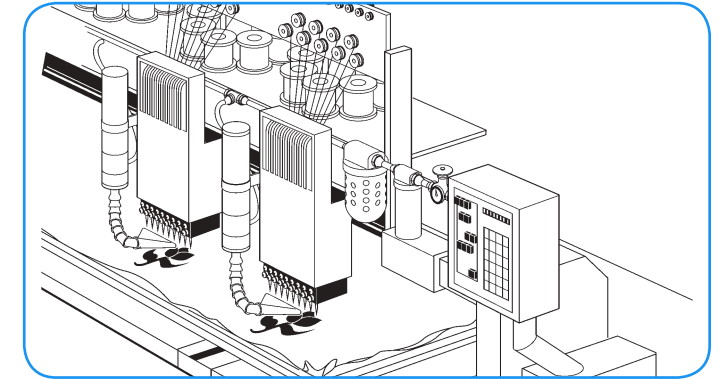
AIR GUNS

APPLICATIONS



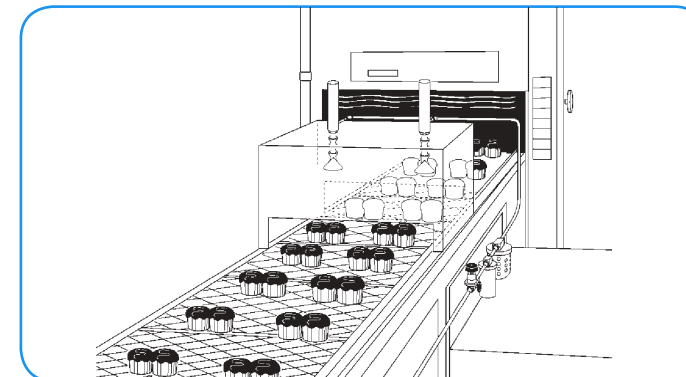
Plastics Machining

The AiRTX Air Gun speeds production on this plastics machining operation and improves finish by cooling cutting tool with 10°F (-12°C) air.



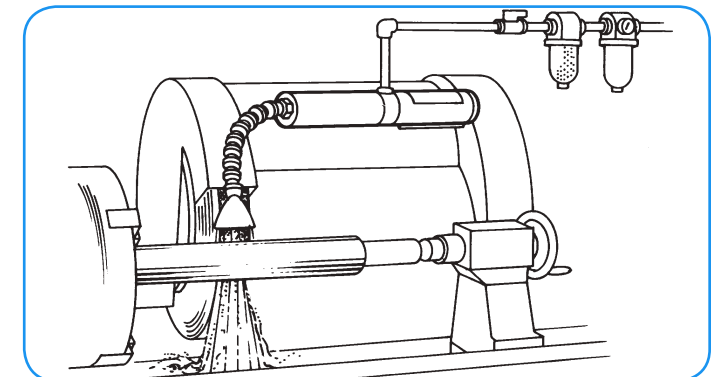
Sewing & Embroidering

In production sewing or embroidering, the AiRTX Air Gun eliminates needle heat build-up, which can cause thread burn-through and stoppages.



Product Cooling

Two Stainless Steel AiRTX Air Guns in a plastic enclosure provide clean, dry, cold air to cool baked goods—for a tiny fraction of the cost of a long cooling conveyor. Conveyor distance was cut from 22 feet to 8 feet.



Grinding

Grinding speed can be increased, while still holding tolerances, by using the AiRTX Air Gun to cool the wheel and material.

INTRODUCING OUR AIR AMPLIFICATION PRODUCTS

COST CALCULATIONS

Air Compressor Cost Calculation

$$\text{Compressor Power Cost} = \frac{\text{HP} \times 0.746 \times \text{hour} \times \text{rate per Kw}}{\text{Motor Efficiency \%}}$$

CONVENTIONAL AIR MOVER COST COMPARISON

HOLE TYPE	PSI	CFM	COST PER DAY	COST PER YEAR
1/8" Hole In Pipe	80	18	\$2.64	\$686
1/4" Hole In Pipe	80	36	\$5.04	\$1,310
3/8" Pipe Nipple	80	290	\$41.60	\$10,858
AiRTX Model 48009	80	15	\$1.76	\$458

Based on \$0.25 per 1000 cu. ft of air per hour on duty 8 hours per day, 260 days per year.

COMPRESSED AIR FLOW THROUGH ORIFICE CHART

PSI	1/64	1/32	3/64	1/16	5/64	3/32	7/64	1/8	5/32	3/16	7/62	1/4	5/16	3/8	1/2	3/4	1
60	0.26	1.07	2.37	4.20	6.57	9.46	12.90	16.80	26.2	37.7	51.6	67.2	104	152	269	595	1075
70	0.30	1.21	2.69	4.77	7.47	10.80	14.70	19.10	29.7	42.8	58.8	76.4	119	173	306	676	1223
80	0.33	1.37	3.02	5.35	8.37	12.10	16.50	21.40	33.3	48	65.8	85.6	133	193	343	757	1371
90	.037	1.52	3.37	5.92	9.27	13.40	18.20	23.70	36.9	53.2	72.9	94.8	148	214	379	839	1518

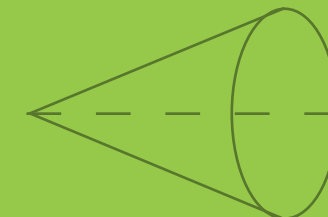
Compressed air discharge to atmosphere through sharp, square edged orifice and sea level CFM.

Visit AiRTX.com/AirUse for a detailed air consumption comparison.

When approaching any air amplification decision, one must first consider two critical elements of the job: flow pattern and efficiency.

CONICAL FLOW PATTERN

These AiRTX products move air in a conical flow pattern that is best for ejecting, blowing or drying a focused area. If the nozzle cannot be placed in close proximity to the target area, certain nozzles offer a longer "throw" in order to properly reach their desired location.



EFFICIENCY



ADJUSTABLE AIR NOZZLES
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AIR NOZZLES
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HIGH THRUST JETS
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AIR AMPLIFIERS
PAGE 28

WIDE CURTAIN FLOW PATTERN

These AiRTX products move air as a solid curtain or sheet. Wedges and Air Knives can produce a curtain of high-velocity air as thin as 2" wide up to several feet in length.



EFFICIENCY



WEDGES
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INDUSTRIAL AIR KNIFE
PAGE 22

HURRICANE AIR KNIFE
PAGE 22

AIR KNIVES

The most efficient and cost effective compressed air delivery method for the large drying, cooling or cleaning applications.



UP TO 50:1 AIR FLOW AMPLIFICATION

CUSTOM SIZING AVAILABLE AVAILABLE IN LENGTHS FROM 6" TO 36"

The overall length of each Air Knife is 1" longer than the effective length to allow for an air connection to either end. Air Knives over 18" should be supplied with air from both sides. Increase airflow of the Air Knife by installing additional .003" shims. Stainless Steel shims are available for high heat applications.



The Air Knife creates a smooth sheet of air across its entire length. Three different models of Air Knives deliver amplified air up to a ratio of 50:1.

APPLICATIONS

- Removing water from sheet plastic or metal
- Blowing off chips, trim scrap and swarf
- Parts cleaning before painting
- Creating an "air wall" between processes
- Cooling extruded parts
- Cleaning or cooling of metal strip and plastic or paperwebs
- Cleaning or cooling of conveyors and conveyORIZED parts

FEATURES & BENEFITS

- Wide area blow-off or cooling with less noise
- Replace open Jets with AiRTX Air Knives
- Low initial and operating costs
- Up to 70% less compressed air usage than open air lines
- Easy to control flow/force
- Instant on/off
- No rotating machinery, guards or clumsy ducts
- No maintenance, no moving parts
- No electricity or explosion hazard
- No RF/EMI interference



5.5 CFM PER INCH @ 80 PSI

MODEL 86006

HURRICANE AIR KNIFE

The aluminum Hurricane Air Knife creates 50:1 air flow amplification via entraining air on both sides. It's perfect for processes that require the an immense volume of air.



MODEL 85012

4 CFM PER INCH @ 80 PSI



MODEL 80012

INDUSTRIAL AIR KNIFE

The Air Knife is available in either aluminum or stainless steel and amplifies air at a 25:1 ratio. It's available in a variety of different lengths—choose the one that best works for your job!



MODEL 82006

2.2 CFM PER INCH @ 80 PSI

SLIM LINE AIR KNIFE

The Slim Line Air Knife pushes slightly less air than the standard Air Knife, but it's low profile is a perfect solution for a tighter working environment. It consumes 30% less air than the standard Air Knife with the same 25:1 air amplification.

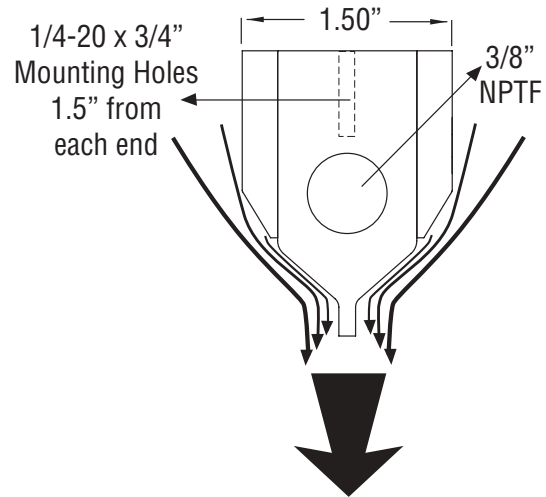
SlimLine

AIR KNIVES

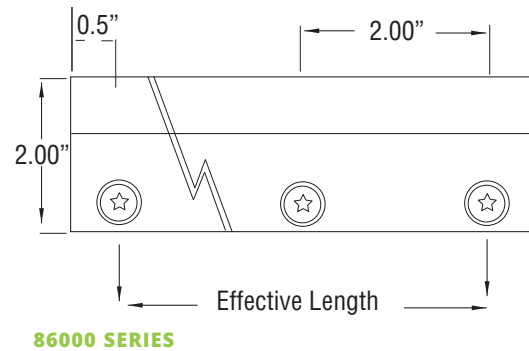
TECHNICAL DATA



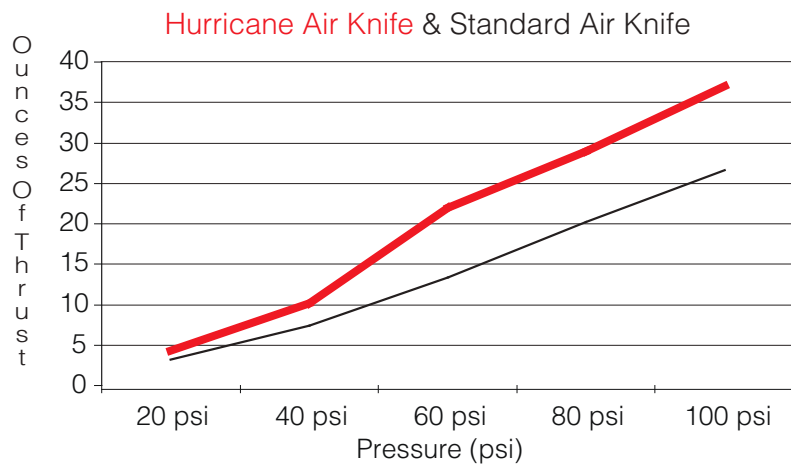
Hurricane Air Knife



**ENTRAINMENT FROM BOTH SIDES
CREATES 50:1 AIR AMPLIFICATION**



86000 SERIES

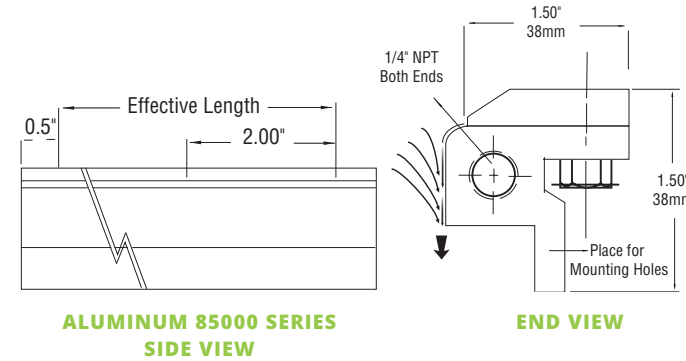


PERFORMANCE CHART

AIR INPUT (PSI)	20	40	60	80	100
CFM	2.9	3.7	4.4	5.5	8.3
LPM	82	105	125	156	235

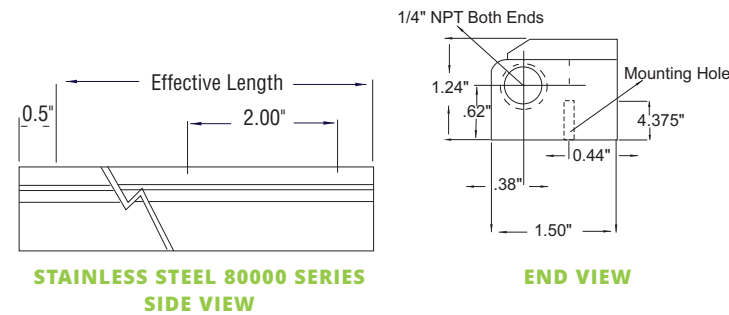
Air usage per inch when used with a .003" shim.

Industrial Air Knife



**ALUMINUM 85000 SERIES
SIDE VIEW**

END VIEW



**STAINLESS STEEL 80000 SERIES
SIDE VIEW**

END VIEW

85000 & 80000 SERIES PERFORMANCE CHART

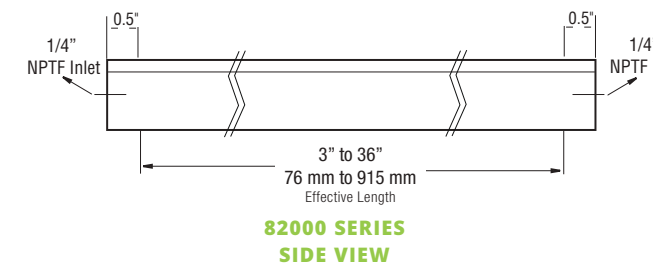
AIR INPUT (PSI)	20	40	60	80	100
CFM	2.2	3.0	3.5	4	5.4
LPM	62	85	99	113	153

Air usage per inch when used with a .003" shim.

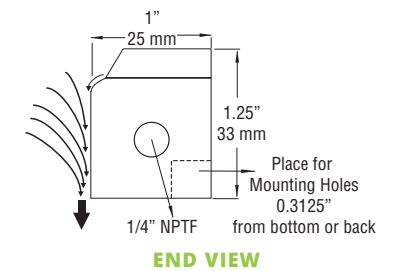
AIR KNIVES

TECHNICAL DATA

Slim Line Air Knife *SlimLine*



**82000 SERIES
SIDE VIEW**



END VIEW

82000 SERIES PERFORMANCE CHART

AIR INPUT (PSI)	20	40	60	80	100
CFM	1.0	1.5	1.9	2.2	3.6
LPM	28	42	54	62	102

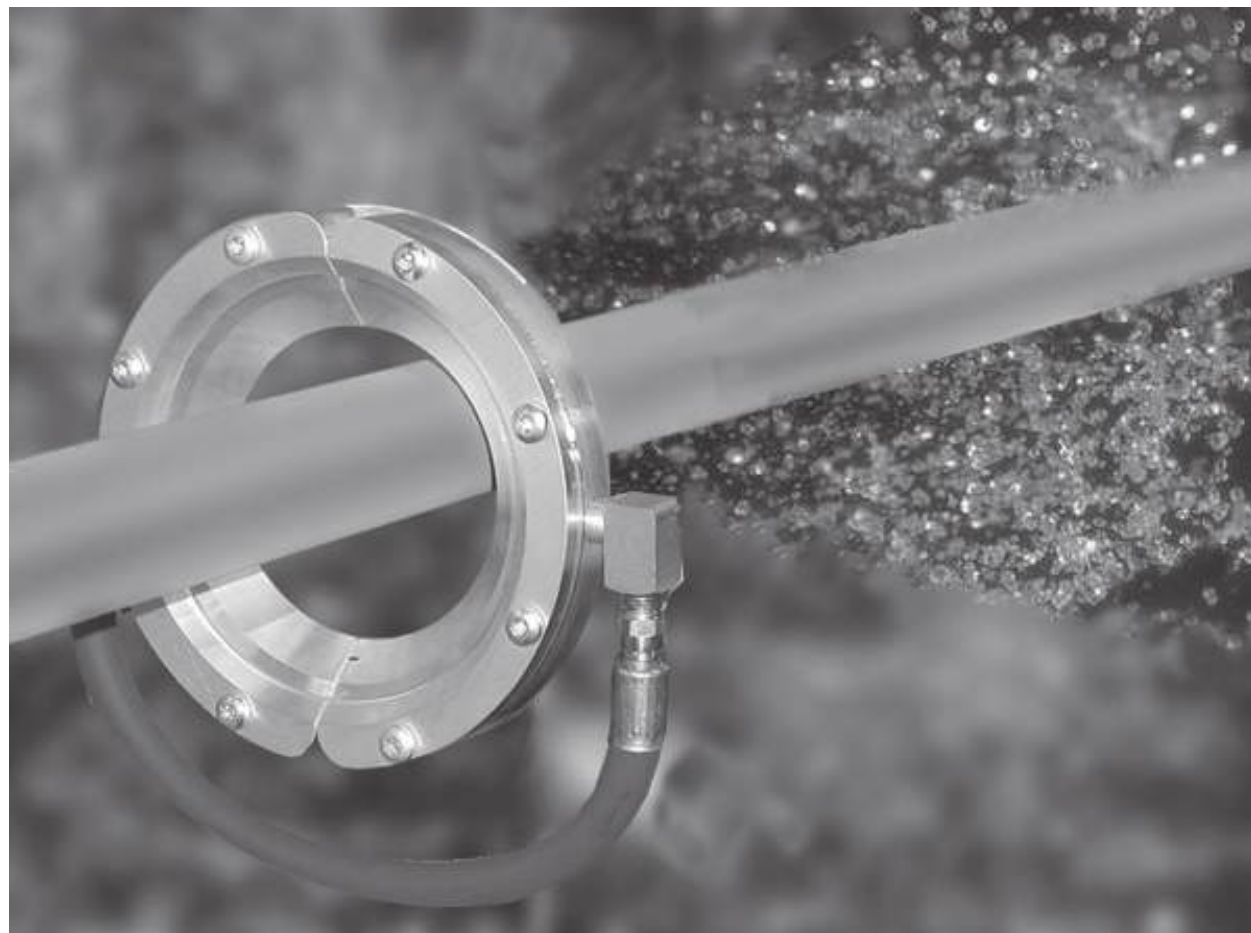
Air usage per inch when used with a .003" shim.

➔ The overall length of each Air Knife is 1" longer than the effective length to allow for an air connection to either end. Air Knives over 18" should be supplied with air from both sides.

Increase airflow of the Air Knife by installing additional .003" shims. Stainless Steel shims are available for high heat applications.

GATE AIR WIPES

A two-piece hinged air amplifier that provides a ring of high-volume, high-velocity Air.



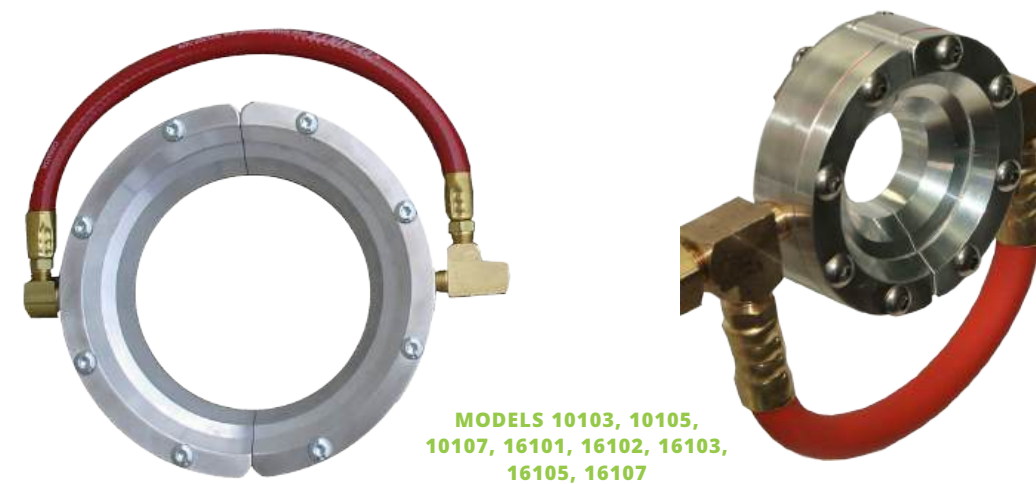
The Gate Air Wipe amplifies compressed air at a 25:1 ratio and provides a circular air flow for cooling, drying or removing debris on all sides in a single pass. The hinged, open and shut design allows for easy placement of products within the ring. Aluminum and stainless steel Gate Air Wipes are available in various so you're sure to find the right tool for the job.

FEATURES & BENEFITS

- Applies amplified air 360° around the product
- Hinged design makes product placement easy
- No maintenance, no moving parts
- Easy to control flow/force
- Greatly reduced noise
- No electricity or explosion hazard
- Instant on/off

GATE AIR WIPES

TECHNICAL DATA

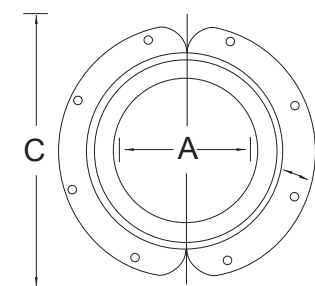


16000 Series

Made from aluminum. Available in 5 different inner diameters: 1" (25mm), 2" (50mm), 3" (76mm), 5" (127mm) and 7" (178mm).

10000 Series

Made from stainless steel. Available in 3 different inner diameters: 3" (76mm), 5" (127mm) and 7" (178mm).



DIMENSIONS

10000 SERIES	16000 SERIES	A	B	C	AIR INLET
—	16101	1" (25mm)	1" (25mm)	3" (76mm)	1/8" NPT
—	16102	2" (50mm)	1" (25mm)	4" (102mm)	1/8" NPT
10103	16103	3" (76mm)	1.5" (38mm)	6" (152mm)	1/4" NPT
10105	16105	5" (127mm)	1.5" (38mm)	8" (203mm)	1/4" NPT
10107	16107	7" (178mm)	1.5" (38mm)	10" (254mm)	1/4" NPT

PERFORMANCE CHART

10000 SERIES	16000 SERIES	CFM USAGE				
		20 PSI	40 PSI	60 PSI	80 PSI	100 PSI
—	16101	8	12	16	20	26
—	16102	14	18	22	26	30
10103	16103	18	24	28	32	38
10105	16105	28	38	48	54	62
10107	16107	38	56	70	80	90

Air usage when used with a .003" shim.

HURRICANE ADJUSTABLE AIR AMPLIFIERS

Create a high-speed “tube” of air for blow-off, ventilation, air conveying and more.

AiRTX Hurricane Adjustable Air Amplifiers move a lot of air with only a small amount of supplied compressed air. Use them ducted or open—the same way you’d use a vacuum system, fan, or blower—to handle dust, fumes or granular material. Output is fully adjustable without tools or shims, making set-up a breeze. There are five sizes available in aluminum and four sizes in stainless steel.

In ducted applications using the factory-set nozzle opening, Hurricane Adjustable Air Amplifiers deliver amplification ratios up to 25:1, capable of producing output flows up to 2000 SCFM (56,000 SLPM). When used unducted, amplification ratios increase up to 75:1.

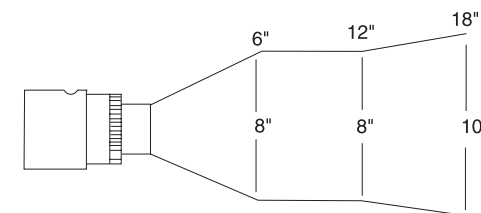


FEATURES & BENEFITS

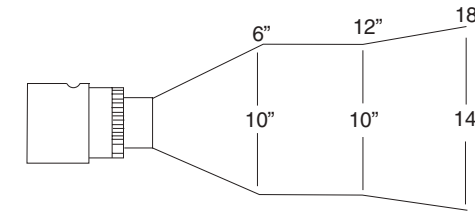
- Adjustable output without tools or shims
- Multiple sizes available
- Used for blow-off, ventilation or conveying
- No blades or guards
- No maintenance, no moving parts
- Easy to control flow/force
- Greatly reduced noise
- Instant on/off

HURRICANE ADJUSTABLE AIR AMPLIFIERS

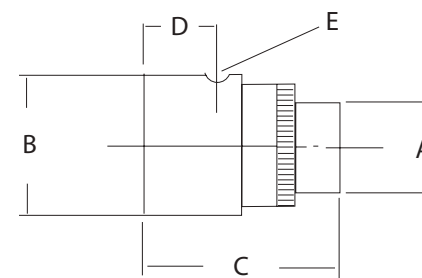
TECHNICAL DATA



AIR FLOW PATTERNS:
MODELS 10008, 15008, 10015, 15015



AIR FLOW PATTERNS:
MODELS 10025, 15025, 10030, 15030



MOUNTING PLATES:
MODELS 10000-30, 10000-31, 10000-32, 10000-33



REDUCER MODEL 15008R

DIMENSIONS

10000 SERIES	15000 SERIES	A	B	C	D	E	THROAT DIAMETER
10004	15004	0.50" (13mm)	1.25" (31mm)	2.25" (57mm)	0.50" (12mm)	1/8" NPT	0.38" (9mm)
10008	15008	1.25" (31mm)	2.00" (50mm)	3.00" (76mm)	1.00" (25mm)	1/4" NPT	0.88" (22mm)
10015	15015	2.00" (50mm)	3.00" (76mm)	3.25" (83mm)	1.00" (25mm)	3/8" NPT	1.65" (42mm)
10025	15025	2.50" (63mm)	3.63" (92mm)	3.63" (92mm)	1.25" (31mm)	3/8" NPT	2.25" (57mm)
10030	15030	3.88" (98mm)	5.00" (127mm)	5.00" (127mm)	1.50" (38mm)	1/2" NPT	3.00" (76mm)

PERFORMANCE CHART

10000 SERIES	15000 SERIES	THROAT DIAMETER	AMPLIFICATION RATIO	Nozzle Opening (Adjustable)
10004	15004	0.38" (9mm)	12:1	15 CFM
10008	15008	0.88" (22mm)	12:1	15 CFM
10015	15015	1.65" (42mm)	20:1	25 CFM
10025	15025	2.25" (57mm)	25:1	45 CFM
10030	15030	3.00" (76mm)	30:1	60 CFM

Amplification documented at factory-set nozzle opening.

ADJUSTABLE AIR JETS

A variable nozzle and in-line vacuum in one.

MEETS OSHA NOISE & DEAD-END PRESSURE REQUIREMENTS

Adjustable Air Jets are made from solid brass and meet all OSHA noise and dead-end pressure requirements. Air Jets are commonly used in blow-off operations, but can also be used in air-conveying to move dust, powders and fumes more efficiently than other methods. The air amplification power of AiRTX Air Jets reduce demand on compressors and slash energy bills—creating a rapid return on investment.

FEATURES & BENEFITS

- More efficient than open tubes
- Low noise
- Easy to control flow/force
- Instant on/off
- No maintenance, no moving parts
- Solid brass construction



MODEL 38038E



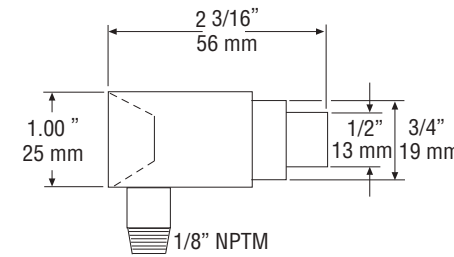
MODEL 38038



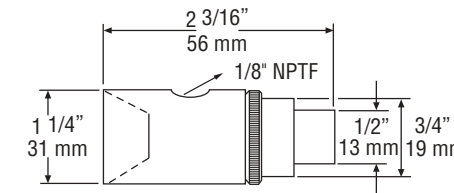
MODEL 38044

ADJUSTABLE AIR JETS

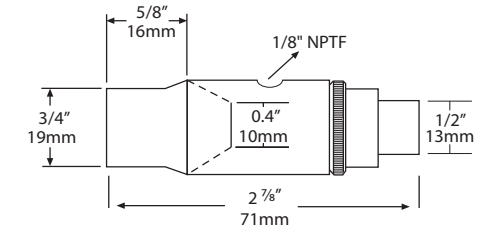
TECHNICAL DATA



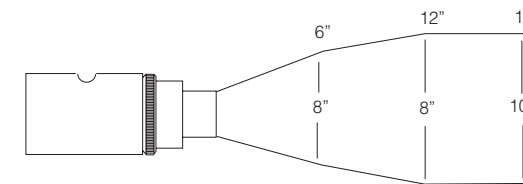
MODEL 38038E



MODEL 38038



MODEL 38044



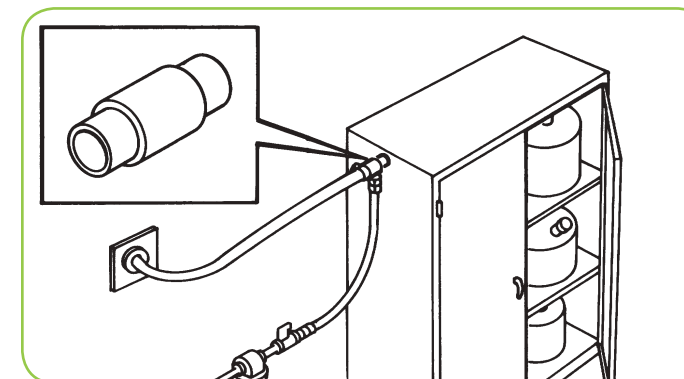
All three models of Air Jet have a very similar flow pattern.

PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	7.5oz	11.8oz	16.5oz	22.2oz
12"	6.9oz	11.5oz	16.2oz	21.4oz
18"	5.6oz	9.3oz	13.7oz	17.4oz

Measurements given in ounces of thrust. Jet set to 20 CFM @ 80psi

APPLICATIONS



Fume Removal

An Air Jet system uses only 3 CFM (85 LPM) of compressed air to remove hazardous fumes from this solvent storage cabinet. Air flow amplification provides the required ventilation without dangerous fan blades or expensive electric motors.



Food Processing

Air Jets remove water and dries cans in this soup processing plant. The adjustable thrust feature produces maximum drying to ensure peak line speed.

WEDGES

A high-thrust sheet of air without the need for additional shims.

MEETS OSHA NOISE & DEAD-END PRESSURE REQUIREMENTS

AiRTX Wedges create thin, high-thrust flow of air up to a 25:1 amplification ratio. Wedges are available in 2" and 4" widths and either in a standard unit or a **high-powered Hurricane model that doubles the thrust without doubling the air usage**. All Wedges are available in aluminum or stainless steel.



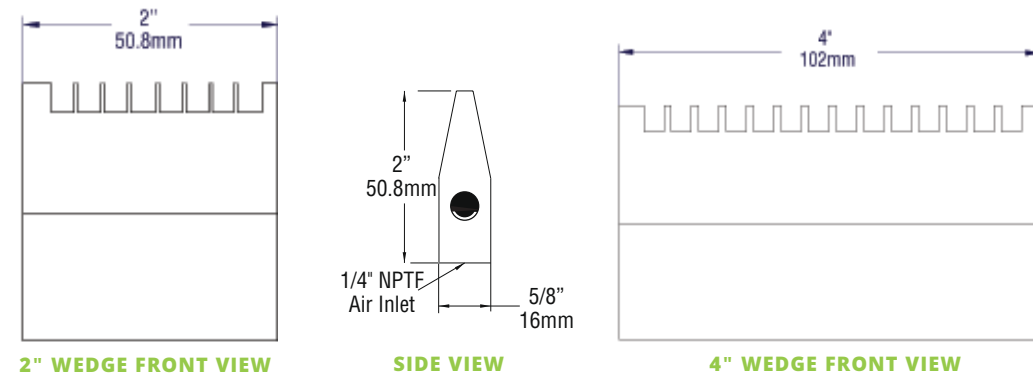
MODEL 30054

FEATURES & BENEFITS

- No shims
- 25:1 Air Amplification
- Highest thrust of any nozzle
- Wide air flow
- Reduce compressed air costs by 30% to 50%
- Reduces noise levels of open air lines by 30 dBA
- Easy to control flow/force
- Instant on/off
- No maintenance, no moving parts



MODEL 30150



2" WEDGE FRONT VIEW

SIDE VIEW

4" WEDGE FRONT VIEW



Hurricane Wedge

The Hurricane Wedge doubles the amount of thrust over the standard Wedge, without doubling the CFM of air consumed!

2" HURRICANE WEDGE (MODELS 31850, 30150) PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	46oz	64oz	78oz	90oz
12"	32oz	51oz	67oz	81oz
18"	23oz	39oz	55oz	69oz
AIR CONSUMPTION	29 CFM (820 LPM)	40 CFM (1132 LPM)	50 CFM (1415 LPM)	58 CFM (1641 LPM)

Measurements given in ounces of thrust.

4" HURRICANE WEDGE (MODELS 38154, 30154) PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	94oz	128oz	156oz	180oz
12"	64oz	102oz	134oz	162oz
18"	46oz	78oz	110oz	130oz
AIR CONSUMPTION	52 CFM (1471 LPM)	70 CFM (1981 LPM)	90 CFM (2547 LPM)	104 CFM (2943 LPM)

Measurements given in ounces of thrust.

2" WEDGE (MODELS 38050, 30050) PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	20oz	28oz	34oz	39oz
12"	14oz	22oz	29oz	35oz
18"	10oz	17oz	24oz	30oz
AIR CONSUMPTION	16 CFM (453 LPM)	22 CFM (623 LPM)	28 CFM (794 LPM)	32 CFM (906 LPM)

Measurements given in ounces of thrust.

4" WEDGE (MODELS 38054, 30054) PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	40oz	56oz	68oz	78oz
12"	28oz	44oz	58oz	70oz
18"	20oz	34oz	48oz	60oz
AIR CONSUMPTION	32 CFM (906 LPM)	44 CFM (1246 LPM)	56 CFM (1588 LPM)	64 CFM (1812 LPM)

Measurements given in ounces of thrust.

FORCE NOZZLES

Ultra-efficient air amplification at a fraction of the cost of other methods.

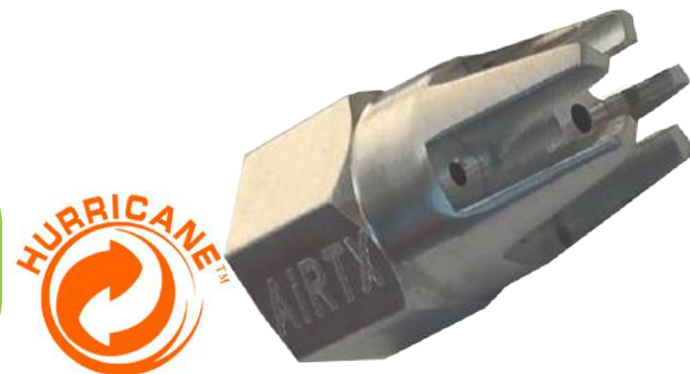
MEETS OSHA NOISE & DEAD-END PRESSURE REQUIREMENTS

UP TO 25:1 AIR FLOW AMPLIFICATION

Force Nozzles are fixed-flow nozzles that drastically improve compressed air efficiency over open tubes or breakable plastic nozzles. They are available in aluminum or stainless steel and a powerful Hurricane version provides double the thrust over the standard Force Nozzle without doubling the CFM of air used. When the most power is required, the 1/2" Hurricane Force Nozzle provides even more thrust over the it's 1/4" counterpart.

FEATURES & BENEFITS

- Reduced noise level
- Efficient use of compressed air
- High thrust
- Hurricane versions for heavy-duty applications
- Outlasts cheap plastic nozzles



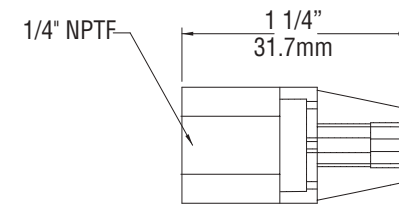
HURRICANE FORCE NOZZLE
MODELS 48005, 40005



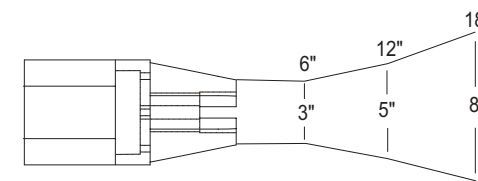
1/2" HURRICANE FORCE NOZZLE
MODELS 48107, 40107



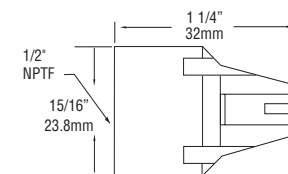
FORCE NOZZLE
MODELS 48007, 40007



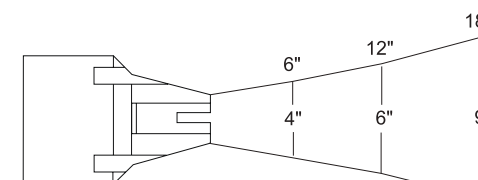
SIDE VIEW: MODELS 48005, 40005



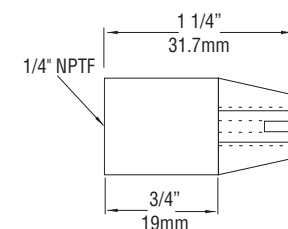
FLOW PATTERN



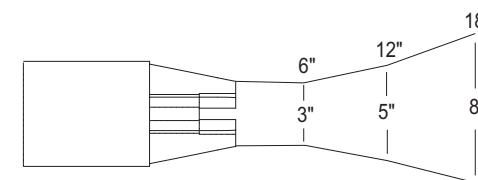
SIDE VIEW: MODELS 48107, 40107



FLOW PATTERN



SIDE VIEW: MODELS 48007, 40007



FLOW PATTERN

FORCE NOZZLES

TECHNICAL DATA

Hurricane Force Nozzle



Designed to amplify air at a ratio of 25:1 while consuming 28 CFM at 80 psi, the Hurricane Force Nozzle doubles the amount of thrust over the standard Force Nozzles, without doubling the CFM of air consumed!

PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	19oz	34oz	44oz	50oz
12"	17oz	32oz	42oz	48oz
18"	13oz	27oz	38oz	44oz
AIR CONSUMPTION	17 CFM (481 LPM)	24 CFM (680 LPM)	28 CFM (793 LPM)	36 CFM (1019 LPM)

Measurements given in ounces of thrust.

1/2" Hurricane Force Nozzle



Featuring a larger inlet compared to the Hurricane Force Nozzle, the 1/2" amplifies air at a ratio of 25:1 while consuming 32 CFM at 80psi.

PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	16oz	24oz	34oz	46oz
12"	14oz	25oz	32oz	40oz
18"	12oz	20oz	28oz	38oz
AIR CONSUMPTION	23 CFM (650 LPM)	28 CFM (792 LPM)	32 CFM (906 LPM)	35 CFM (991 LPM)

Measurements given in ounces of thrust.

Force Nozzle

Amplifies air at a ratio of 25:1 while consuming 15 CFM at 80psi.

PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	9oz	16oz	21oz	24oz
12"	8oz	15oz	20oz	23oz
18"	6oz	13oz	18oz	21oz
AIR CONSUMPTION	9 CFM (255 LPM)	13 CFM (368 LPM)	15 CFM (425 LPM)	19 CFM (538 LPM)

Measurements given in ounces of thrust.

ADJUSTABLE AIR NOZZLES

Versatile, high-volume air flow with the lowest possible consumption.

MEETS OSHA NOISE & DEAD-END PRESSURE REQUIREMENTS

UP TO 25:1 AIR FLOW AMPLIFICATION

To ensure you're operating as efficiently as possible, **AiRTX Adjustable Air Nozzles can be adjusted from 0 CFM to 25 CFM at 80psi in order to fine tune the exact amount of air you need for the job.** Adjustable Nozzles greatly reduce noise compared to open pipes while also relieving strain from compressors. Since they're adjustable, it's easy to migrate a nozzle to a different application without needing to purchase new equipment.



MODELS 48109, 48009



MODEL 48004

FEATURES & BENEFITS

- High-volume, low-consumption
- Reduces noise
- Reduces demand on compressors
- Adjustable flow
- Aluminum or stainless steel options
- Hurricane version available for heavy-duty applications

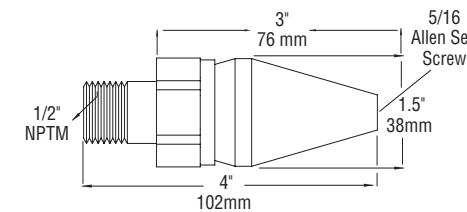
ADJUSTABLE AIR NOZZLES

TECHNICAL DATA

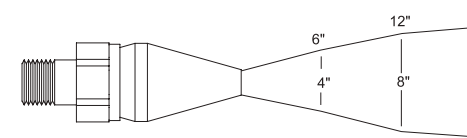


Hurricane Adjustable Air Nozzle Model 48109

Creates 50% more thrust with the same CFM as the standard Adjustable Air Nozzle!



SIDE VIEW: MODEL 48109



FLOW PATTERN

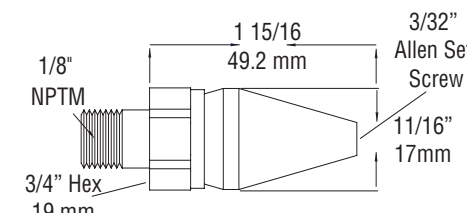
PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	16oz	24oz	33oz	41oz
12"	15oz	22oz	32oz	40oz
18"	14oz	20oz	27oz	34oz
AIR CONSUMPTION	9 CFM (255 LPM)	13 CFM (368 LPM)	15 CFM (425 LPM)	19 CFM (538 LPM)

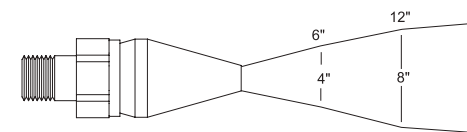
Measurements given in ounces of thrust.

Adjustable Air Nozzle Model 48009

Amplifies air at a ratio of 25:1 and is available in aluminum or stainless steel.



SIDE VIEW: MODEL 48009



FLOW PATTERN

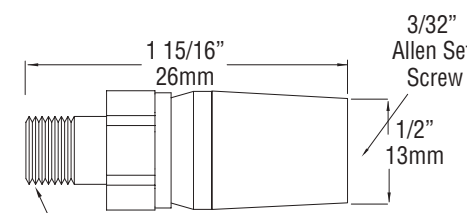
PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	7.7oz	12.2oz	16.5oz	20.6oz
12"	7.6oz	11.5oz	15.9oz	20.1oz
18"	6.9oz	10.0oz	13.3oz	16.8oz
AIR CONSUMPTION	9 CFM (255 LPM)	13 CFM (368 LPM)	15 CFM (425 LPM)	19 CFM (538 LPM)

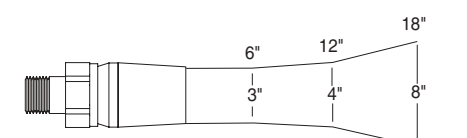
Measurements given in ounces of thrust.

Adjustable Flare Nozzle Model 48004

Specially designed to create a longer stream of air for applications where the nozzle must be further away from the target.



SIDE VIEW: MODEL 48004



FLOW PATTERN

PERFORMANCE CHART

DISTANCE FROM TARGET	PRESSURE AT TARGET (PSI)			
	40 PSI	60 PSI	80 PSI	100 PSI
6"	12oz	16oz	20oz	22oz
12"	11oz	15oz	18oz	21oz
18"	10oz	13oz	16oz	18oz
AIR CONSUMPTION	9 CFM (255 LPM)	13 CFM (368 LPM)	15 CFM (425 LPM)	19 CFM (538 LPM)

Measurements given in ounces of thrust.

FIXED-FLOW AIR NOZZLES

The smartest approach to compressed air use around the entire facility.

AiRTX Fixed-Flow Air Nozzles can easily be added to almost any application. They amplify air at a ratio of 25:1, which reduces demand on compressors and saves on energy costs. **Multiple styles of nozzle are available, including a low-flow model that uses less than 2 CFM at 80 psi.** The AiRTX Rubbertip Nozzle is great for use where the nozzle may come in contact with soft or sensitive materials. Most nozzles are available in brass or stainless steel.

FEATURES & BENEFITS

- 25:1 Air Amplification
- 1.8 to 9 CFM models available
- Ultra-efficient use of compressed air
- Brass and stainless steel models
- Rubbertip Nozzle is great for soft materials

1.8 TO 9 CFM MODELS AVAILABLE

UP TO 25:1 AIR FLOW AMPLIFICATION



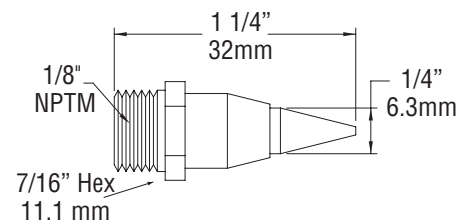
MODELS 40008, 48010



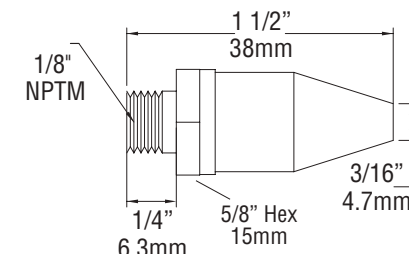
MODEL 40006



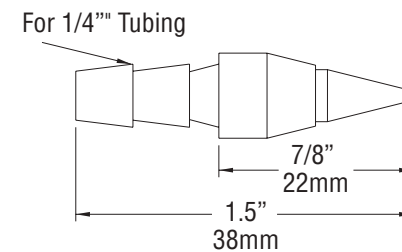
MODEL 40002



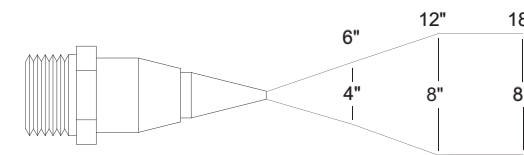
SIDE VIEW: MODELS 40008, 48008



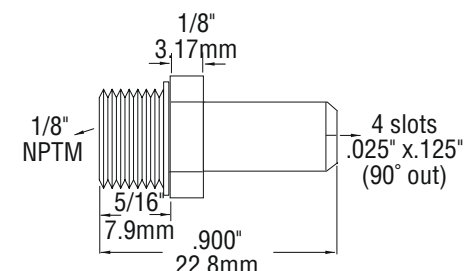
SIDE VIEW: MODEL 48006 RUBBER TIP NOZZLE



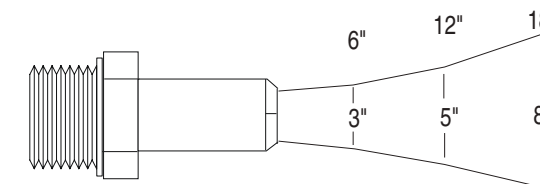
SIDE VIEW: MODEL 48010 FOR 1/4" TUBING



AIR FLOW PATTERN: MODELS 40008, 48008, 48010, 48006



SIDE VIEW



AIR FLOW PATTERN

Fixed-Flow Air Nozzles

Models 40008, 48008, 48010 and 48006. Featuring ultra-efficient compressed air usage and performance. Models 48008 and 48010 are made of solid brass, while Model 40008 is stainless steel. Model 48006 utilizes a brass connection with a soft, rubber nozzle tip.

Low-Flow Air Nozzles

Models 40002 and 48002. Model 40002 (stainless steel) and Model 48002 (brass) use only 1.8 CFM of air and are perfect for jobs requiring a moderate amount of force or minimum air usage.

AIR AMPLIFICATION

ACCESSORIES

Blow Guns

AiRTX Blow Guns are the perfect companion for any AiRTX Nozzle. There are two different styles of Blow Gun: nylon with hand trigger and chrome with thumb control. Both Blow Guns are compatible with AiRTX Sta-Put Hoses to extend their reach.



MODEL 48011
NYLON WITH HAND TRIGGER



MODEL 48211
CHROME WITH THUMB CONTROL

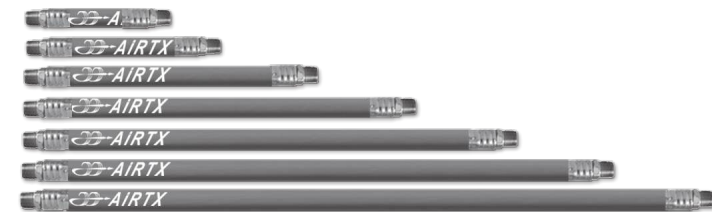
Sta-Put & Heavy Duty Sta-Put Hoses

Sta-Put Hoses are flexible, durable 3/8" diameter compressed air lines that can replace copper tubes. **Heavy Duty Sta-Put Hoses** are larger 1/2" diameter hose and equally flexible. All hoses "stay put" even while under high-pressure compressed air and can be used in conjunction with AiRTX Air Amplification products. Each model is available in lengths from 6" to 36".

Sta-Put and Heavy Duty Sta-Put Hoses all have a 1/4" air input but have different end-fittings for various applications: 1/8" NPTF, 1/4" NPTM or 1/4" NPTF. BSP threading is available by request.



40000 SERIES
WITH 1/8" NPTF FITTING



40001 SERIES
WITH 1/4" NPTM FITTING



40002 SERIES
WITH 1/4" NPTF FITTING

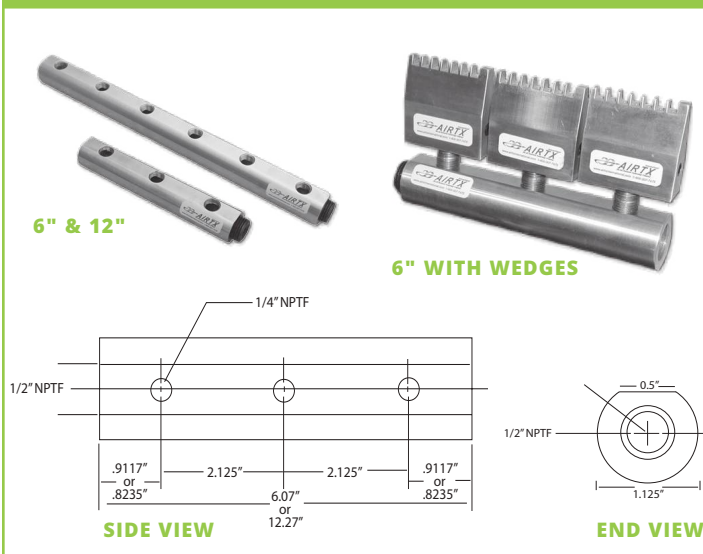
AIR AMPLIFICATION

ACCESSORIES

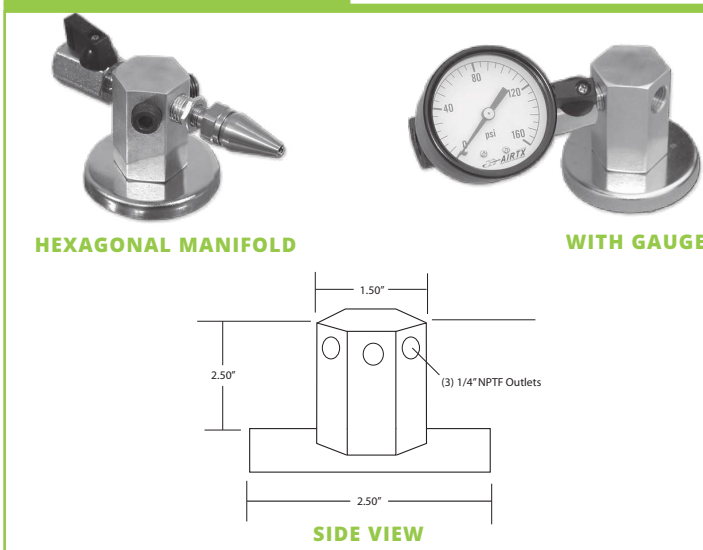
Manifolds

Simplify your compressed air system by installing AiRTX Manifolds. Manifolds are compatible with all AiRTX Wedges, Nozzles and Sta-Put hoses and are available in aluminum or stainless steel. Straight manifolds come in two lengths: 12" 6-port or 6" 3-port configuration, and they can be connected end-to-end for extended length. Hexagonal manifolds allow for multi-angled air direction, offering up to 3 air outlets plus a magnetic base.

STRAIGHT MANIFOLDS



HEXAGONAL MANIFOLDS



Fittings

AiRTX LOCKING SWIVEL FITTING

A 1/4" locking swivel fitting that allows for accurate positioning of any AiRTX nozzle or wedge.



LOCKING SWIVEL FITTING MODEL 38006-4
WITH MODEL 48009 NOZZLE ATTACHED



1/4" TO 1/8" REDUCER



1/4" HEX PIPE PLUG



1/4" SHORT PIPE NIPPLE



1/2" SHORT PIPE NIPPLE

SMARTVAC

A wet/dry vacuum that is compatible with steel or plastic drums and requires no electricity or maintenance.

Using normal shop compressed air at 80 psi, this portable vacuum creates up to 50% more vacuum than other shop vacuums and is 50% quieter than electric vacs. There are no moving parts to wear out and no maintenance. The SmartVac does an excellent job of picking up spilled fluids with the 15" wide squeegee attachment or dry chips and materials. SmartVac is designed to be used with either a metal or plastic 30 or 55-gallon drum.

The SmartVac kit includes the SmartVac, 10' of 1-1/2" hose, on/off valve with pressure gauge, squeegee, pick-up wands, crevice tool, round brush, drum cover and bolt locking ring. Filter bags and a steel dolly are available accessories.



SMARTVAC KIT #90755

FEATURES & BENEFITS

- High vacuum
- Fast debris removal
- Heavy material pick-up
- Portable
- No electricity or maintenance



STRONG MAN SMART VAC KIT #99755



STRONGMAN SMARTVAC

The StrongMan SmartVac has all the same features of the SmartVac, but packs a bigger punch. It creates a 50% stronger vacuum for faster removal of even the toughest debris.

COMPATIBLE WITH STEEL OR PLASTIC DRUMS

DRUM DEVIL

Lightning-fast liquid transfer.



DRUM DEVIL KIT #90650

JUST 90 SECONDS TO FILL A 55-GALLON DRUM

A stainless steel, ultra fast vacuum system designed for use with 55 or 30-gallon steel drums. It utilizes an automatic float switch to prevent overfilling while easily picking up small debris and high viscosity liquid.

DRUM DEVIL II

Efficient two-way liquid transfer.



DRUM DEVIL II KIT #90600

CAPABILITY TO FILL OR EMPTY A STEEL DRUM

The Drum Devil II has all the great features of the original Drum Devil, but has the ability to empty or fill its container. A simple twist of the knob on top of the unit changes the direction of operation.

FEATURES & BENEFITS

- Larger tank capacity than industrial shop vacuums
- Eliminates double handling of toxic materials and emptying vacuum canister
- Eliminates need for "floor dry" absorbent
- No efficiency loss after each use unlike electric-powered shop vacuums
- Automatic float switch to prevent overfilling
- Requires no electricity



SPEEDVAC

A workstation vacuum and blow gun in a single unit.

The AiRTX SpeedVac provides the operator with both a blow gun and a vacuum in a single, hand held, easy to use device. Using only compressed air, there is no maintenance or diminished vacuum strength due to electric motors aging and losing service life. The SpeedVac is compact and lightweight, as well as cost-efficient. The system requires no canister, but instead vacuums wet chips or dry matter into any open container you have in the shop. Optional container covers are available. Switch the SpeedVac quickly from vacuum to blow mode with a simple reverse of the air chamber.

EASILY SWITCH FROM VACUUM TO BLOW GUN



SPEEDVAC MODEL 90401



HOLEVAC MODEL 90420
FOR REMOVING DEBRIS FROM DEEP HOLES

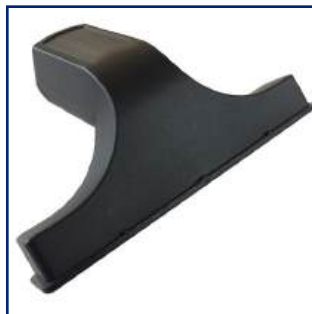
ACCESSORIES



10' X 1.25" HOSE



19" PICK-UP WAND



SKIMMER



CREVICE TOOL



5 GALLON BUCKET COVER



3 GALLON BAG WITH SHOULDER STRAP

HOPPERVAC

Effortless hopper loading without the cost of motor-driven loaders.

MOVES MATERIAL UP TO 0.80" DIAMETER



HOPPERVAC #95308

The HopperVac is a unique method of loading a hopper without carrying a bucket of pellets up stairs or relying on expensive motor-driven loaders. Simply, place the HopperVac in the pellet container box and the other end over the hopper, turn the ball valve on and in seconds compressed air will transfer the pellets into the hopper. In addition, by reversing the HopperVac, you can easily unload the hopper to change colors or material, minimizing pellet waste!

FEATURES & BENEFITS

- 0.80" Throat Diameter
- Variable feed rate up to 50 lbs/min
- Adjustable Strength (Factory set for 15 CFM @ 80PSI)
- 3' x 1.5" Aluminum feed tube
- 10' x 1.5" flexible hose
- On/Off ball valve
- No electricity
- No maintenance

CONVEYVAC

In-Line dry material conveying made simple.

No need for expensive and maintenance needy conveying systems for moving products from one area to another. AiRTX compressed air operated ConveyVacs are easily installed in-line to almost any piping system and provide conveying without electric motors.

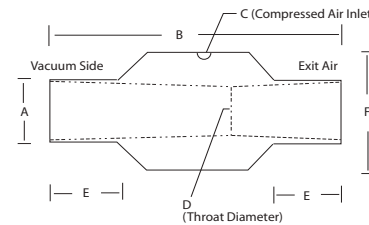


CONVEYVAC AVAILABLE IN 5 SIZES

PULLS UP TO 12" HG VACUUM

FEATURES & BENEFITS

- Fits standard PVC pipe sizes
- 5 sizes available in aluminum or stainless steel
- Boost air flow in existing vacuum
- No electricity
- No maintenance



ConveyVac

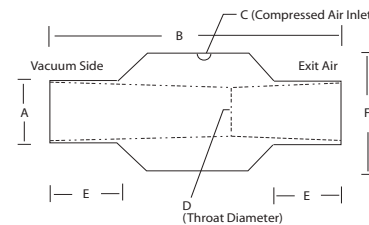
PERFORMANCE & DIMENSION CHART

ALUMINUM MODEL	STAINLESS MODEL	A	B	C	D	E	F	AIR CONSUMPTION AT 80 PSI
98004	90004	0.75" (190mm)	2.8" (71mm)	1/8" NPT	0.65" (17mm)	0.5" (13mm)	1.25" (32mm)	15 CFM
98008	90008	1.0" (25mm)	3.5" (89mm)	1/4" NPT	0.8" (20mm)	1" (25mm)	1.5" (38mm)	28 CFM
98012	90012	1.5" (38mm)	5.7" (145mm)	1/4" NPT	1.25" (32mm)	1.5" (38mm)	2.75" (70mm)	28 CFM
98022	90022	3.0" (75mm)	6" (152mm)	3/8" NPT	2.25" (57mm)	1.5" (38mm)	4.0" (102mm)	32 CFM
98032	90032	4.0" (100mm)	8" (203mm)	1/2" NPT	3.25" (83mm)	2" (51mm)	5.0" (127mm)	42 CFM
98042	90042	6.0" (150mm)	10" (254mm)	1/2" NPT	4.25" (108mm)	2" (51mm)	7.0" (178mm)	52 CFM

TWICE THE VACUUM OF CONVEYVAC

STRONG MAN CONVEY VAC

The StrongMan ConveyVac has all the same features of the ConveyVac, but with more power to move heavier material across longer distances.



StrongMan ConveyVac

PERFORMANCE & DIMENSION CHART

ALUMINUM MODEL	STAINLESS MODEL	A	B	C	D	E	F	AIR CONSUMPTION AT 80 PSI
98108	90208	1.0" (25mm)	3.5" (89mm)	1/4" NPT	0.8" (20mm)	1" (25mm)	1.5" (38mm)	56 CFM
98112	90212	1.5" (38mm)	5.7" (145mm)	1/4" NPT	1.25" (32mm)	1.5" (38mm)	2.75" (70mm)	60 CFM
98122	90222	3.0" (75mm)	6" (152mm)	3/8" NPT	2.25" (57mm)	1.5" (38mm)	4.0" (102mm)	92 CFM
98132	90232	4.0" (100mm)	8" (203mm)	1/2" NPT	3.25" (83mm)	2" (51mm)	5.0" (127mm)	110 CFM
98142	90242	6.0" (150mm)	10" (254mm)	1/2" NPT	4.25" (108mm)	2" (51mm)	7.0" (178mm)	118 CFM

IONIZING BAR

On-the-fly, high-speed static elimination.

Ionizing bars available with effective length from 3" to 120" and feature a unique, inductively coupled design that produces powerful static neutralization up to 6" from the target, while remaining shockproof. Each ionizing bar is supplied with 8' of cable and designed to be connected to the AiRTX 50000 Series Power Supply. The body of the ionizing bar is anodized aluminum with stainless steel emitter pins in plastic molding. All ionizing bars feature a power light to indicate when the bar is in operation.



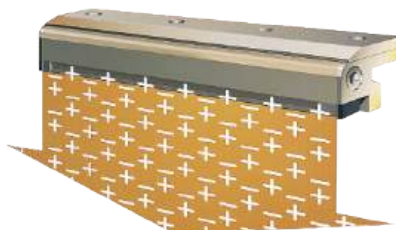
IONIZING BAR KIT
55000 SERIES

FEATURES & BENEFITS

- Anodized case
- Quick-connect power supply
- Powered by 6,000V or 7,500V
- Stainless steel emitter points
- Shockless operation
- Works up to 6" from target
- Power light



IONIZING BAR
WITH AIR KNIFE



POSITIVE & NEGATIVE ION FLOW

Ionizing Bar with Air Knife

Static Elimination up to 20' (6m) away!

Pair an Ionizing Bar with an Air Knife and never worry about static again. The positive and negative ions emitted from the pins of the Ionizing Bar have a life of approximately 2 seconds before they recombine with the atmosphere. The AiRTX Air Knife provides a smooth laminar flow of air that carries positive and negative ions up to 20 feet from the bar.

IONIZING BARS 55000 SERIES

MODEL	EFFECTIVE LENGTH	OVERALL BAR LENGTH
55003	3" (76mm)	4.5" (114 mm)
55006	6" (152mm)	7.5" (191mm)
55012	12" (305mm)	13.5" (343 mm)
55018	18" (457mm)	19.5" (495 mm)
55024	24" (610mm)	25.5" (648 mm)
55030	30" (762mm)	31.5" (800 mm)
55036	36" (914mm)	37.5" (953 mm)

TECHNICAL AND CONSTRUCTION

OPERATING VOLTAGE

6000V, 7500V

MAX TEMPERATURE

185°F (85°C)

EMI/RFI EMISSIONS

AiRTX cable meets international standards

HOUSING

Anodized Aluminum

WEIGHT

8.8oz per foot

OZONE

Considerably below international standards of 0.1 PPM

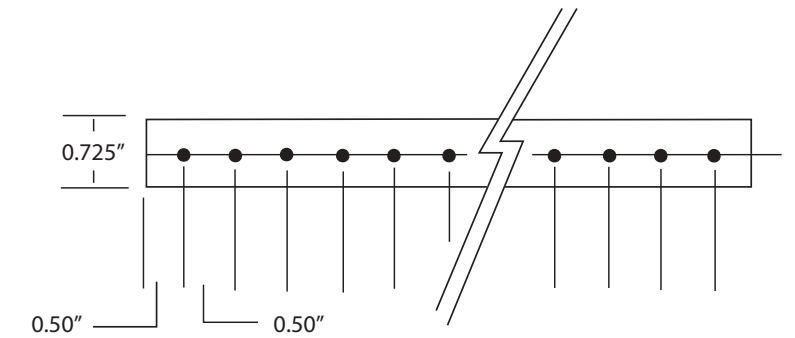
PIN

Stainless steel pin is inductively coupled. Touching pins will not result in a shock.

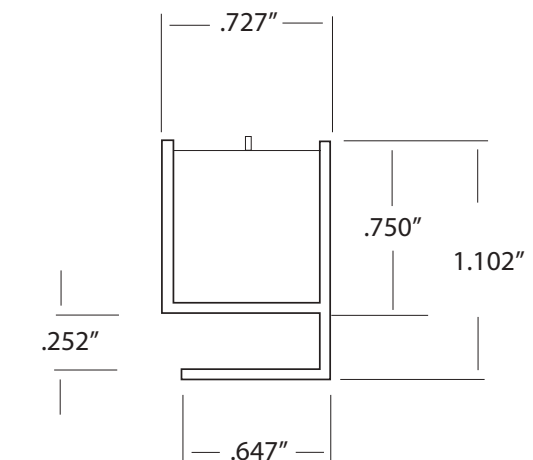
To view detailed directions and additional information, visit AiRTX.com

IONIZING BAR

TECHNICAL DATA



IONIZING BAR
SIDE VIEW



END VIEW

Effective vs. Overall Length

Ionizing Bars are available in effective lengths from 3" to 120" and the overall length is always 1.5" additional.

Customizable Mounting

All Ionizing Bars feature a versatile mounting bracket that can be customized for your application.

SINGLE POINT IONIZER

Precise, long-range static elimination.

Single Point Ionizers deliver static-neutralizing air to a target from long range while also blowing away contaminants. They can be installed in series and linked to a single cable.



MODEL 50006



MULTIPLE 50006 MODELS USED IN SERIES

IONIZING AIR GUN

Handheld, on-demand static elimination.

The Ionizing Air Gun is perfect for spot cleaning needs. It pairs an AiRTX Single Point Ionizer with a hand-held Air Gun and only weighs 11 oz. (300g). The Ionizing Air Gun consumes 12 CFM of air @ 80 psi and will eliminate static without blowing debris from surrounding areas onto finished product.



MODEL 50003

POWER SUPPLY

A universal power supply for all AiRTX static elimination products.



MODEL 50000-1
4-PORT 230V



MODEL 50002-1
2-PORT 230V

The AiRTX Static Elimination Power Supply is compatible with the Static Bar, Static Bar with Air Knife, Single Point Ionizer and Ionizing Air Gun. There are two levels of power output: a 2-port unit that supplies 6,000 Volts of power and a 4-port unit that supplies 7,500 Volts of power to neutralize any statically charged item. Both Power Supplies operate on low amperage and power output is available as a 115 Volt or 230 Volt configuration. Every model features a lighted power indicator.

UP TO 7,500 VOLTS OF POWER



MODEL 38150



MODEL 48005

THE WORLD LEADER IN COMPRESSED AIR INNOVATION & MANAGEMENT



AiRTX INTERNATIONAL

6320 Wiehe Road, Cincinnati, OH 45237

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