Air Jets and Nozzles

Reduce noise level and air cost on blowoff operations.

New Super Air Nozzle is the best air nozzle available!

MEETS OR EXCEEDS OSHA REQUIREMENTS

What Are Air Jets And Nozzles?

A simple solution to excessive air consumption and noise level on compressed air blowoff operations. Using a small amount of compressed air as a power source, Air Jets and Nozzles produce outlet flows up to 25 times compressed air consumption.

Why Air Jets And Nozzles?

Air savings, compared to open copper tubes or pipe nipples commonly used for blowoff can be as high as 80%. Less compressed air means less noise. The typical noise level reduction is 10 dBA. All Air Jets and Nozzles **meet OSHA maximum dead ended pressure requirements**.

An open 1/4" (6mm) copper tube, by contrast, ejects pure compressed air **at up to 40 standard cubic feet per minute (1133 SLPM), the entire output of a 10 horsepower compressor. Annual energy cost can exceed $1,000 per year. Noise levels in excess of 100 dBA are commonly produced.** When supply pressure exceeds 30 PSIG (2 BAR), an open pipe, tube or drilled holes violate OSHA static pressure requirements.

A Model 6013 High Velocity Air Jet dries cans prior to ink jetting the date code.

Applications

- Part cleaning
- Chip removal
- Part drying
- Liquid blowoff
- Part cooling
- Material conveying
- Part ejection
- Fiber conveying
- Air assist

Advantages

- Reduced compressed air cost
- 10 dBA average noise reduction
- Improved blowoff performance
- Compact
- Meet OSHA noise level requirements
- Meet OSHA pressure requirements

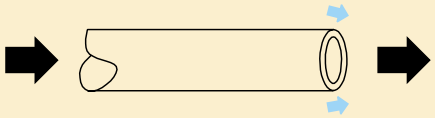
EXAIR air saving blowoff products for drying are installed in a parts washer.

Air Jets and Nozzles

Safe And Efficient Use Of Compressed Air

The use of compressed air for blowoff in most facilities is a problem due to the energy costs, noise level and potential danger to personnel who are exposed to high pressure air. Open air pipes, copper tubes and drilled pipes are a few of the common abusers. They consume tremendous amounts of energy and often produce noise levels over 100 dBA.

Open Air Pipe or Copper Tube



Turbulent compressed air blasts straight out of the pipe or tube. It not only wastes huge amounts of compressed air but also violates OSHA noise and dead ended pressure requirements.

Reduce Energy Costs

The best way to cut energy costs is through proper maintenance and use of the compressed air system. Leaks and dirty filters require maintenance on a regular basis. Energy savings can also be realized when replacing outdated motors and controls with high efficiency models that often pay for themselves in a short period of time.

The most important factor to dramatically boost efficiency is proper use. Using engineered products like EXAIR's new Super Air Nozzle can cut operating costs since it uses only a fraction of the compressed air of typical blowoffs. In addition, all of the Air Jets and Nozzles shown in this catalog can be cycled on and off with instantaneous reponse so compressed air is used only when needed.

Reduce Noise Levels

High noise level is a common problem for many plants. Compressed air noise often exceeds OSHA (Occupational Safety and Health Administration) noise level exposure requirements, resulting in hearing loss to those working in close proximity. Noisy blowoffs at 80 PSIG (5.5 BAR) that produce noise levels of 100 dBA can be reduced to only 74 dBA when using the Super Air Nozzle. At that pressure, it is still possible to obtain hard-hitting force without the high noise.

OSHA Maximum Allowable Noise Exposure

Hours per day (constant noise)	8	7	4	3	2	1	0.5
Sound level dBA	90	91	95	97	100	105	110

OSHA Standard 29 CFR - 1910.95 (a)

Eliminate Harmful Dead Ended Pressures

Air can be dangerous when the outlet pressure of a hole, hose or copper tube is higher than 30 PSIG (2 BAR). In the event the opening is blocked by a hand or other body part, air may enter the bloodstream through the skin, resulting in a serious or fatal injury. All of the Air Jets and Nozzles manufactured by EXAIR have been designed for safety. All are safe to be supplied with higher pressure compressed air.

Air Consumption of Open Tube And Pipe

Pressure Supply			Air Consumption of Homemade BlowoffS					
			Copper Tube			Open Pipe		
PSIG	BAR		1/4"	5/16"	3/8"	1/8"	1/4"	3/8"
80	5.5	SCFM	33	58	87	70	140	240
		SLPM	934	1641	2462	1981	3962	6792

Saving Money and Compressed Air

The table above shows the air consumption for typical homemade blowoffs. The pages that follow give the air consumption and other data on EXAIR's Air Jets and Nozzles.

Consider the following example where a Model 1001 Safety Air Nozzle replaces a 1/8" (3.2mm) open pipe. The compressed air savings is easy to calculate and proves to be dramatic. Payout for Air Jets and Nozzles, including filter and installation cost is measured in weeks - not years as is the case for other cost reduction equipment.

Example:
Existing blowoff is 1/8" *(3.2mm)* open pipe at 80 PSIG *(5.5 BAR)* supply. Air consumption, from the table above is 70 SCFM *(1981 SLPM)*.

Use a 1/8 NPTF Model 1001 Safety Air Nozzle also at 80 PSIG *(5.5 BAR)* supply. Air consumption, from the table on page 24 is 10 SCFM *(283 SLPM)*.

Compressed air saved =70 - 10 = 60 SCFM
(1981 - 283 =1698 SLPM)

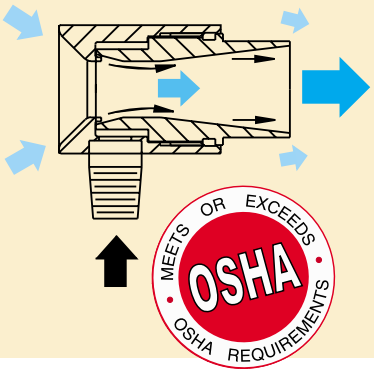
For this example, the blowoff is continuous. If the duty cycle was 20%, then air saved would be 60 x .2 = 12 SCFM. *(1698 x .2 = 340 SLPM)*

Most large plants know their cost per 1000 standard cubic feet of compressed air *(10,000 standard liters)*. If you don't know your actual cost per 1000 SCF, 25¢ is a reasonable average to use. *(Cost per 10,000 standard litres is approximately 8.9¢.)*

Dollars saved per hour = SCFM saved x 60 minutes x cost/1000 SCF *(SLPM saved x 60 min x cost/10,000 SL)*
= 60 x 60 x .25/1000 *(= 1698 x 60 x $.089/10,000)*
= **$0.90/hour**
$0.90/hr. is $36.00/week and
$1,872.00/year savings.

How Air Jets Work

Air Jets utilize the coanda effect (wall attachment of a high velocity fluid) to produce air motion in their surroundings. As illustrated on the right, a small amount of compressed air (black arrows) is throttled through an internal ring nozzle above sonic velocity. A vacuum is produced, pulling large volumes of surrounding, or "free" air, through the jet (blue arrows). **Both the outlet and inlet can be ducted for remote positioning. If the end is blocked, flow simply reverses at well below OSHA dead ended pressure requirements.**



High Flow Air Jet

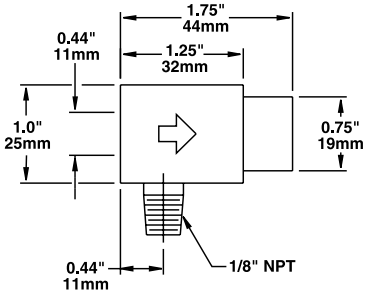
Model 6010 1/8 NPT male
Material: Brass

Model 6010 High Flow Air Jet

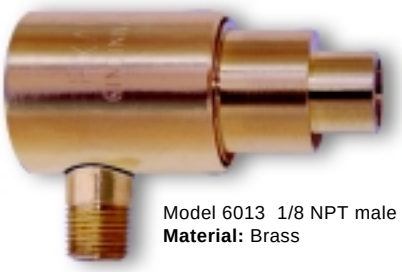
Provides maximum flow and moderate thrust at minimum air consumption. Best choice for light blowoff applications and part cooling.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
6.5	184	10	283	78

* Force measured at 12" (30cm) from target
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



High Velocity Air Jet



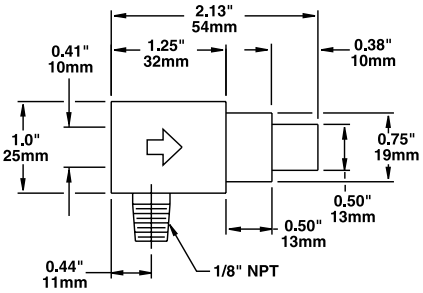
Model 6013 1/8 NPT male
Material: Brass

Model 6013 High Velocity Air Jet

Provides maximum thrust with a confined, directed airstream. Best choice for part ejection, chip removal, part drying.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
16.5	467	14	396	83

* Force measured at 12" (30cm) from target
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



Adjustable Air Jet

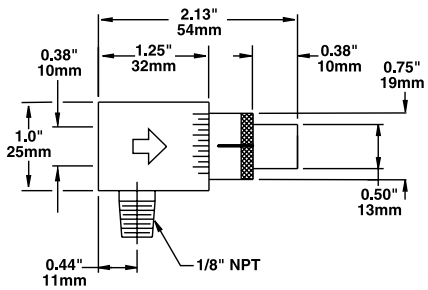
Model 6019 1/8 NPT male
Material: Brass

Model 6019 Adjustable Air Jet

This is an adjustable version of the Model 6013 High Velocity Air Jet. Airflow and thrust are easily adjusted using the micrometer gap indicator.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
18	509	16	453	83

* Force measured at 12" (30cm) from target with a .006" (.15mm) factory setting
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)

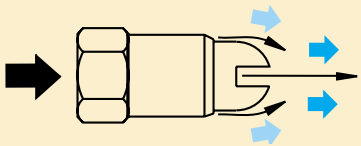


Shim Sets: Shims can be used to open the gap on the Model 6010 and Model 6013 Air Jets. Adding shims will increase air consumption, force, flow and vacuum capability. Order Model 6310 Air Jet Shim Set.

Air Jets and Nozzles NEW!

How Air Nozzles Work

Air Nozzles use the coanda effect to amplify compressed airflow 25 times or more. As illustrated on the right, compressed air (black arrows) is ejected through a thin ring nozzle on the outer perimeter. As the air travels along the outer wall of the nozzle, surrounding air (blue arrows) is entrained into the stream. The center hole concentrates this airstream resulting in a high volume, high velocity blast of air **at minimal consumption**. The air is always ejected so it can vent safely should the nozzle end be blocked, **well below OSHA dead ended pressure requirements.**



MEETS OR EXCEEDS OSHA REQUIREMENTS

Super Air Nozzles

NEW!

Model 1100 1/4 NPT female
Material: Zinc Aluminum alloy

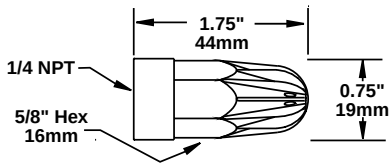
Model 1101 1/4 NPT male
Material: Zinc Aluminum alloy

Model 1100 and 1101 Super Air Nozzle

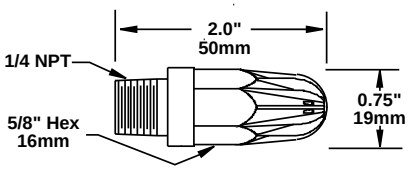
Provides a high thrust, concentrated stream of high velocity airflow. The sound level is extremely low and air consumption is minimal. The compressed air is ejected through holes located in recessed grooves that can not be blocked or dead ended. **For stainless steel, please contact our factory.**

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
14.7	416	13	368	74

* Force measured at 12" (30cm) from target
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



Model 1100

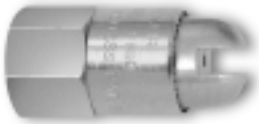


Model 1101

Safety Air Nozzles (Pipe)

Model 1001 1/8 NPT female
Material: Brass

Model 1002 1/4 NPT female
Material: Brass



Model 1002SS 1/4 NPT female
Material: Stainless Steel

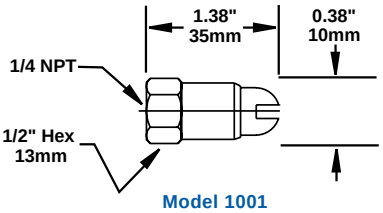
Model 1003 3/8 NPT female
Material: Brass

Model 1001, 1002, 1002SS, and 1003 Safety Air Nozzles (Threaded)

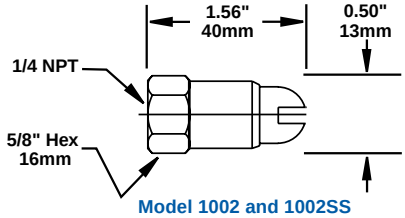
Safety Air Nozzles eject a small amount of compressed air 360° around the outer ring that combines with the air ejected from the center hole to produce a high volume, high velocity blast of air. The slotted end allows air to vent safely should the nozzle end be blocked. They are available in the most popular pipe sizes for easy retrofit to existing blowoffs. The Model 1002SS Stainless Steel Safety Air Nozzle is ideal for high temperature, food processing and corrosive applications.

	Air Consumption		Force*		Sound Level
Model	SCFM	SLPM	Ounces	Grams	dBA
1001	10	283	9	257	78
1002	17	481	16	453	80
1002SS	17	481	16	453	80
1003	18	509	18	510	83

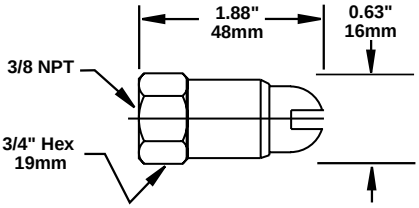
* Force measured at 12" (30cm) from target
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



Model 1001



Model 1002 and 1002SS



Model 1003

Safety Air Nozzle (Tube)

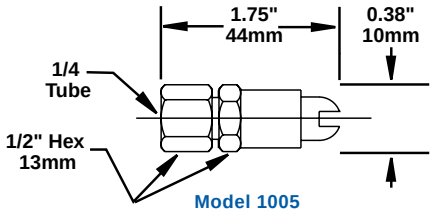
Model 1005 1/4 Tube
Material: Brass

Model 1005 Safety Air Nozzle (Tube)

The Safety Air Nozzle is also available in the most popular 1/4 tube size (compression fitting) for easy retrofit to existing blowoffs.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
10	283	9	255	78

* Force measured at 12" (30cm) from target
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



Model 1005

High Power Air Nozzle (Pipe)

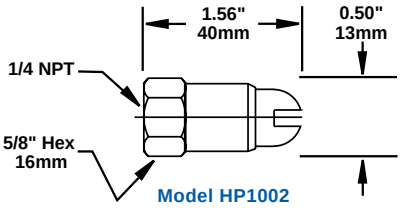
Model HP1002 1/4 NPT female
Material: Brass

Model HP1002 High Power Air Nozzle

Provides strong blowing force for applications requiring the highest thrust, and velocity. This High Power Safety Air Nozzle™ uses more compressed air than other air nozzles but is low compared to typical blowoffs delivering the same force. Meets OSHA maximum dead ended pressure and noise requirements.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
32	906	28	792	87

* Force measured at 12" (30cm) from target
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



Model HP1002

Adjustable Air Nozzles

Model 1009 1/8 NPT male
Material: Aluminum

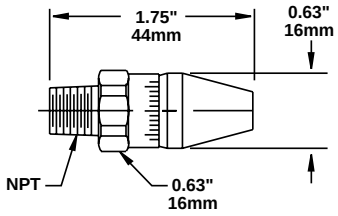
Model 1009SS 1/8 NPT male
Material: Stainless steel

Model 1009 and Model 1009SS

These Safety Air Nozzles are adjustable, making them suitable for a wide variety of blowoff applications. The design allows you to “tune in” the force and flow to the application requirements, thereby minimizing air consumption. A micrometer-like dial indicates gap setting. A set screw in the end can be tightened so the air nozzle holds the setting. The Model 1009SS Stainless Steel Adjustable Nozzle is ideal for high temperature, food processing and corrosive applications.

Air Consumption		Force*		Sound Level
SCFM	SLPM	Ounces	Grams	dBA
13	368	12	340	79

* Force measured at 12" (30cm) from target with a .008" (.20mm) factory setting
Sound level measured at 3' (91cm)
All measurements taken at 80 PSIG (5.5 BAR)



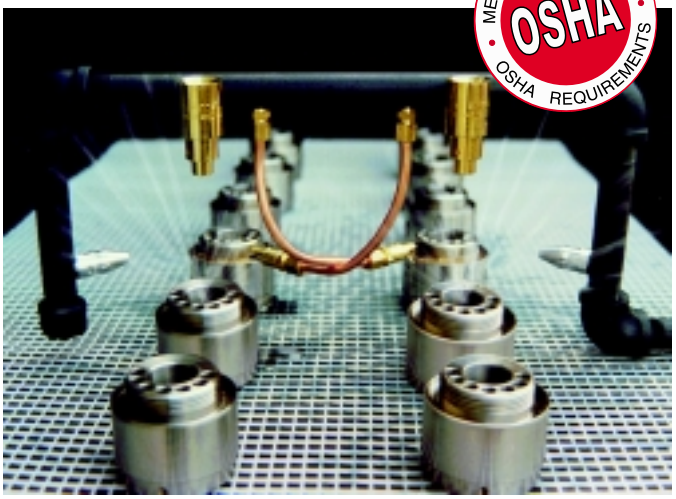
Model 1009

MEETS OR EXCEEDS OSHA REQUIREMENTS

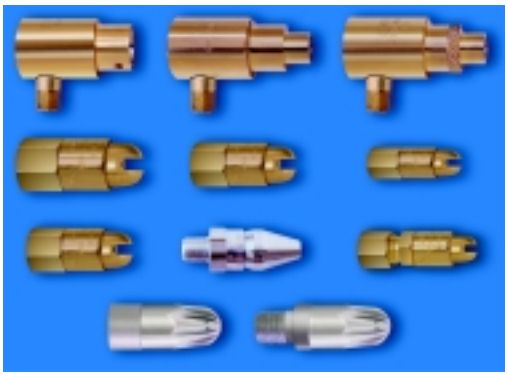
Air Jets and Nozzles NEW!

Blowoff Kits

Not really sure which Air Jet or Nozzle is best suited to your application? EXAIR's Blowoff Kits provide a complete assortment of Air Jets and Nozzles for you to experiment with. Of course, our Applications Engineers will be glad to assist you in choosing the best product for your application.



Oddly shaped parts often require a combination of Air Jets and Nozzles for blowoff.



Model 1909 Blowoff Kit

Blowoff Kits

Model #	Description
1909	**Blowoff Kit** includes (1) 6010 High Flow Air Jet, (1) 6013 High Velocity Air Jet, (1) 6019 Adjustable Air Jet, (1) 1003 Safety Air Nozzle, (1) 1002 Safety Air Nozzle, (1) 1001 Safety Air Nozzle, (1) HP1002 High Power Air Nozzle, (1) 1009 Adjustable Air Nozzle, (1) 1005 Safety Air Nozzle, (1) 1100 Super Air Nozzle and (1) Model 1101 Super Air Nozzle.
1909SS	**Stainless Steel Blowoff Kit** includes (1) 1100SS Stainless Steel Super Air Nozzle, (1) 1002SS Stainless Steel Safety Air Nozzle, (1) 1009SS Stainless Steel Adjustable Air Nozzle and (1) 6030 Stainless Steel Adjustable Air Amplifier.

Stay Set™ Flexible Hoses

For applications where frequent repositioning of the Air Jet or Nozzle is required, the flexible Stay Set Hoses are ideal. Simply mount the hose in close proximity to the application and bend it to aim the airsteam at the target. Since the hose has "memory", it will not creep or bend. It always keeps the aim until physically moved to the next position.

Model 1100
Super Air Nozzle

Model 1002
Safety Air Nozzle

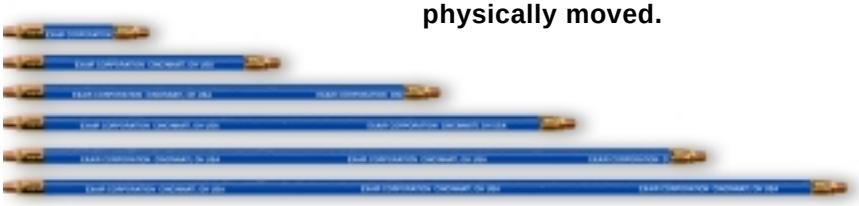
Model 1002SS
SS Safety Air Nozzle

Model HP1002
High Power Air Nozzle

Flexible Stay Set Hoses bend and keep their aim until physically moved.

The Air Nozzles shown above can be used with the following Stay Set Hoses (1/4 NPT male fitting on each end):

Model #	Description
9206	6" (15cm) 1/4 NPTM x 1/4 NPTM
9212	12" (30cm) 1/4 NPTM x 1/4 NPTM
9218	18" (46cm) 1/4 NPTM x 1/4 NPTM
9224	24" (61cm) 1/4 NPTM x 1/4 NPTM
9230	30" (76cm) 1/4 NPTM x 1/4 NPTM
9236	36" (91cm) 1/4 NPTM x 1/4 NPTM



Stay Set™ Flexible Hoses

Model 6010
High Flow Air Jet

Model 6013
High Velocity Air Jet

Model 6019
Adjustable Air Jet

Model 1009
Adjustable Air Nozzle

Model 1009SS
SS Adjustable Air Nozzle

The Air Jets and Nozzles shown above can be used with the following Stay Set Hoses (1/4 NPT male fitting on one end, 1/8 NPT female on the other):

Model #	Description
9256	6" (15cm) 1/4 NPTM x 1/8 NPTF
9262	12" (30cm) 1/4 NPTM x 1/8 NPTF
9268	18" (46cm) 1/4 NPTM x 1/8 NPTF
9274	24" (61cm) 1/4 NPTM x 1/8 NPTF
9280	30" (76cm) 1/4 NPTM x 1/8 NPTF
9286	36" (91cm) 1/4 NPTM x 1/8 NPTF

Magnetic Bases

Magnetic bases are available for applications where frequent movement of the Air Jet or Nozzle is required. The powerful magnet permits horizontal or vertical mounting that will hold the blowing position of the Stay Set Hose. A shutoff valve is provided that can be used to infinitely vary the force and flow. There are models with single and double outlets.

Model #	Description
9042	One Outlet Magnetic Base with Shutoff Valve
9043	Two Outlet Magnetic Base with Shutoff Valve

Build Your Own System

Now you can put together the best combination that suits your blowoff, cooling, drying or cleaning application. Select the model number that includes your choice of Air Jet or Nozzle, a length of Stay Set Hose, and a one or two outlet magnetic base. Here's how:

1. Choose the Air Jet or Nozzle model.

   Example: Model 1100 Super Air Nozzle

2. You have the option to include a length of Stay Set Hose, Simply list the model of the Stay Set Hose (shown above or on page 26) as a dash number after the Air Jet or Nozzle model.

   Example: A Model 1100 Super Air Nozzle with a 12" (30cm) Stay Set Hose is a Model 1100-**9212**.

3. You have the option to include a magetic base. If you want a One Outlet Magnetic Base, change the second digit of the "added on" dash number to a "**3**". If you would like the Two Outlet Magnetic Base, change the second digit to a "**4**". By adding a "**4**", you will receive (2) Air Jets or Nozzles and (2) Stay Set Hoses to attach to the Two Outlet Magnetic Base.

   Example: A Model 1100 Super Air Nozzle with a 12" (30cm) Stay Set Hose and One Outlet Magnetic Base is a Model 1100-9**3**12.

A Model 1100-9312 Super Air Nozzle with a 12" (30cm) Stay Set Hose and One Outlet Magnetic Base.

Safety Air Guns

NEW!

Safety Air Guns

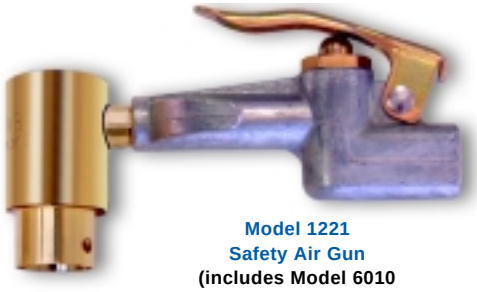
Many air guns are similar to open pipe. They simply blow a lot of compressed air, have high air consumption and produce noise levels that violate OSHA requirements. Some even generate dangerous dead end pressures that can result in serious or fatal injuries if blocked.

EXAIR's new Safety Air Guns eliminate these problems. They use our engineered Air Jets and Nozzles to provide superior performance. Safe operation is assured along with low air consumption and noise level. In addition, each Safety Air Gun allows you to choose the Air Jet or Nozzle best suited to your application.
(For more details on each Air Jet and Nozzle, please see pages 23-25.)

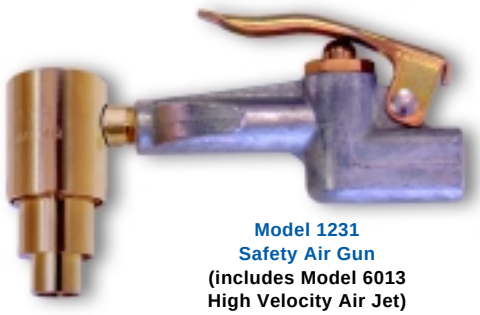
MEETS OR EXCEEDS OSHA REQUIREMENTS

Safety Air Gun

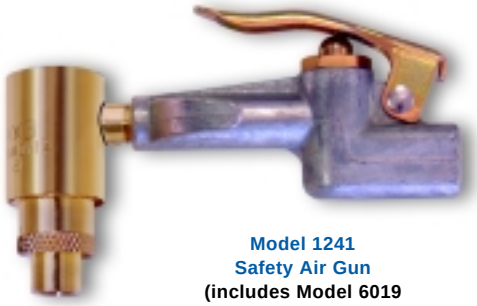
The Safety Air Gun is an economical choice for general purpose applications. This air gun fits comfortably in the palm of the hand. A durable cast zinc body incorporates a large trigger for easy thumb actuation. A side hanger hook for storage is included. The inlet is 1/4 NPT. The Safety Air Gun is available with the Air Jets and Nozzles (shown below) for quiet, safe and efficient use of the compressed air supply.



Model 1221
Safety Air Gun
(includes Model 6010
High Flow Air Jet)



Model 1231
Safety Air Gun
(includes Model 6013
High Velocity Air Jet)



Model 1241
Safety Air Gun
(includes Model 6019
Adjustable Air Jet)

Model 1211
Safety Air Gun
(includes Model 1009
Adjustable Air Nozzle)

Model 1211SS
Safety Air Gun
(includes Model 1009SS
Adjustable Air Nozzle)

Compact Safety Air Gun

The Compact Safety Air Gun is EXAIR's smallest air gun that is ideal for confined areas and easy to store. The durable cast body easily fits in the palm of the hand and includes a large trigger for thumb actuation. The inlet is 1/4 NPT. The Compact Safety Air Gun is available with the Air Nozzles (shown below) for quiet, safe and efficient use of the compressed air supply. Aluminum extension pipes and Stay Set Hoses that can reach normally inaccessible areas are available.

Model 1212
Compact Safety Air Gun
(includes Model 1100 Super Air Nozzle)

Model 1222
Compact Safety Air Gun
(includes Model 1002 Safety Air Nozzle)

MEETS OR EXCEEDS OSHA REQUIREMENTS

Model 1222SS
Compact Safety Air Gun
(includes Model 1002SS Safety Air Nozzle)

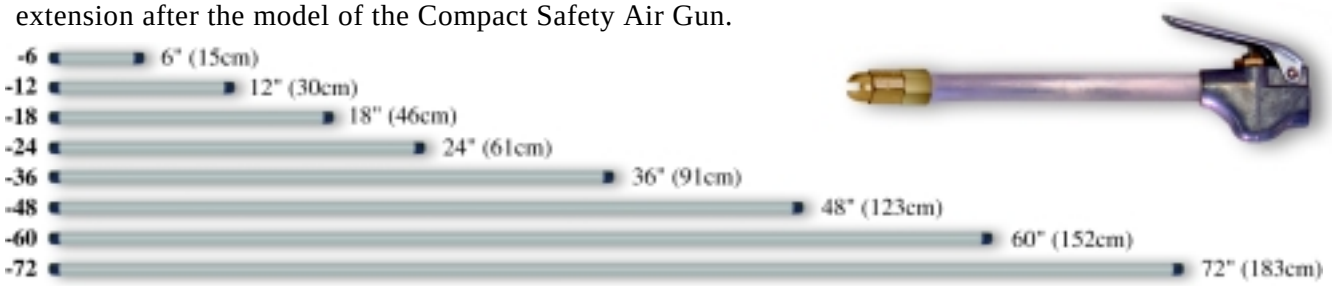
Model HP1222
Compact Safety Air Gun
(includes Model HP1002 Safety Air Nozzle)

Add An Extension Pipe Or Stay Set Hose

Add an Extension Pipe or Stay Set Hose to your Compact Safety Air Gun. Here's how:

1. Choose the model of the Compact Safety Air Gun above.
   Example: Model 1222

2. To add an Aluminum Extension Pipe, create the model number by adding a dash number of the appropriate extension after the model of the Compact Safety Air Gun.



   Example: The Model 1222 Compact Safety Air Gun with a 12" (30cm) Aluminum Extension Pipe is a Model 1222-**12**.

3. To add a Stay Set Hose, create the model number by adding a dash number of the appropriate Stay Set Hose after the model of the Compact Safety Air Gun.

Model #	Description
9206	6" (15cm) 1/4 NPTM x 1/4 NPTM
9212	12" (30cm) 1/4 NPTM x 1/4 NPTM
9218	18" (46cm) 1/4 NPTM x 1/4 NPTM
9224	24" (61cm) 1/4 NPTM x 1/4 NPTM
9230	30" (76cm) 1/4 NPTM x 1/4 NPTM
9236	36" (91cm) 1/4 NPTM x 1/4 NPTM

   Example: The Model 1222 Safety Air Gun with a 12" (30cm) Stay Set Hose is a Model 1222-**9212**.

Safety Air Guns

NEW!

Soft Grip Safety Air Gun

EXAIR'S Soft Grip Safety Air Gun is ideal for hours of continuous use without fatigue. The ergonomic design keeps the hand in a comfortable position and incorporates a large trigger that permits operation with one or more fingers. The durable cast aluminum body is suited for rugged industrial use and includes a convenient hanger hook for easy storage. The inlet is 1/4 NPT. The Soft Grip Safety Air Gun is available with the Air Nozzles (shown below) for quiet, safe and efficient use of the compressed air supply. Aluminum Extension Pipes and Stay Set Hoses that can reach normally inaccessible areas are available.

Model 1210
Soft Grip Safety Air Gun
(includes Model 1100 Super Air Nozzle)

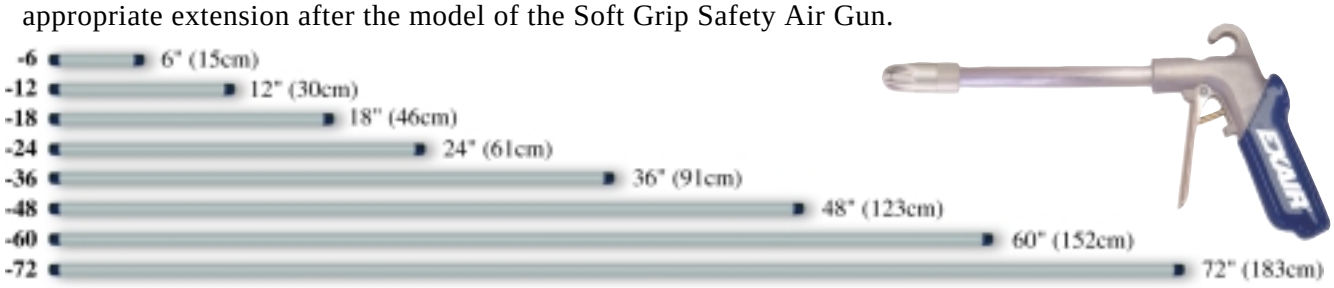
Model 1220
Soft Grip Safety Air Gun
(includes Model 1002 Safety Air Nozzle)

Model HP1220
Soft Grip Safety Air Gun
(includes Model HP1002 Safety Air Nozzle)

Add An Extension Pipe Or Stay Set Hose

Add an Extension Pipe or Stay Set Hose to your Soft Grip Safety Air Gun. Here's how:

1. Choose the model of the Soft Grip Safety Air Gun above.
   Example: Model 1210
2. To add an Aluminum Extension Pipe, create the model number by adding a dash number of the appropriate extension after the model of the Soft Grip Safety Air Gun.



   Example: The Model 1210 Soft Grip Safety Air Gun with a 12" (30cm) Aluminum Extension Pipe is a Model 1210-**12**.

3. To add a Stay Set Hose, create the model number by adding a dash number of the appropriate Stay Set Hose after the model of the Soft Grip Safety Air Gun.

Model #	Description
9206	6" (15cm) 1/4 NPTM x 1/4 NPTM
9212	12" (30cm) 1/4 NPTM x 1/4 NPTM
9218	18" (46cm) 1/4 NPTM x 1/4 NPTM
9224	24" (61cm) 1/4 NPTM x 1/4 NPTM
9230	30" (76cm) 1/4 NPTM x 1/4 NPTM
9236	36" (91cm) 1/4 NPTM x 1/4 NPTM

   Example: The Model 1210 Safety Air Gun with a 12" (30cm) Stay Set Hose is a Model 1210-**9212**.

Super Air Wipe™

Blowoff, dry, clean and cool pipe, cable, extruded shapes, and hose!

Split design requires no threading!

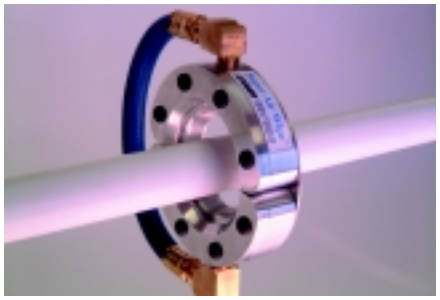
MEETS OR EXCEEDS OSHA REQUIREMENTS

What Is The Super Air Wipe?

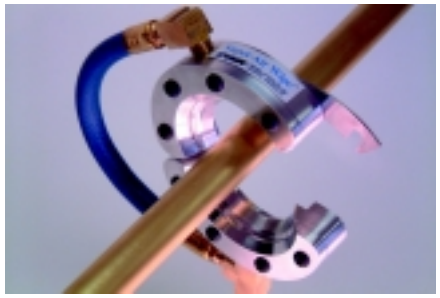
EXAIR's new Super Air Wipe provides a uniform 360° airstream that is ideal for blowoff, drying, cleaning and cooling of pipe, cable, extruded shapes, hose and more. The split design offers easy clamping around the surface of the material moving through it, eliminating the need for threading.

Why The Super Air Wipe?

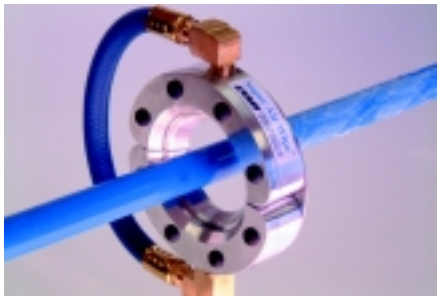
Prior to the introduction of the Super Air Wipe, the only way to blowoff, dry, clean and cool these surfaces was to use a ring of air nozzles. The high air consumption and noise levels of these nozzles along with inconsistent air velocity often delivered poor results. The Super Air Wipe (similar in construction to EXAIR's Super Air Knife) provides a high volume, high velocity airflow that is uniformly ejected from the 360° of its inner diameter. Velocity can be varied from a "blast" to a "breeze". Air consumption and noise are low.



The Model 2402 Super Air Wipe cools PVC pipe as it is ejected from an extruder.



The split design of the Super Air Wipe eliminates threading.



The Super Air Wipe removes a liquid from blue plastic rod.

Applications

- Drying after wash, cleaning, plating or coating
- Blowoff dust and contaminants
- Cool hot extruded shapes
- Uniformly wipe surfaces
- Eliminate solution carry - no cross contamination
- Remove excess coatings, water and oil
- Minimize solution loss due to dragout
- Dry screen printed or ink jetted surfaces
- Ideal for pipe, cable, extrusions, wire, rod and hose

Advantages

- Quiet
- Low air consumption
- Uniform airflow across the entire diameter
- No electricity
- No moving parts
- Non-contact - no wiper blade
- Split design - compact, rugged, easy to install
- Lightweight, low profile
- Tapped holes for mounting
- Variable force and flow
- Aluminum construction
- Meets OSHA maximum dead end pressure and noise requirements

Super Air Wipe

2" Super Air Wipe Performance with .002" (.05mm) thick shim installed

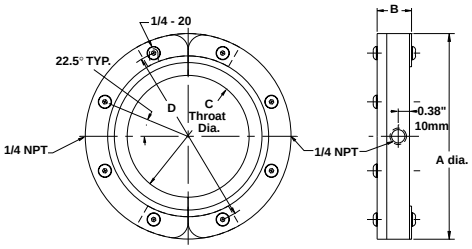
Pressure Supply		Air Consumption		Maximum Velocity		Sound Level @ 3' (91cm)	Maximum Force	
PSIG	BAR	SCFM	SLPM	FPM	M/S	dBA	OUNCES	GRAMS
20	1.4	4.0	113	6,000	30.4	69	3.2	91
40	2.8	9.6	272	10,000	50.8	71	8.0	227
60	4.1	14.9	422	14,000	71.1	75	12.8	363
80	5.5	23.6	668	18,000	91.4	77	17.9	508
100	6.9	32.1	909	22,000	111.8	79	23.7	671

4" Super Air Wipe Performance with .002" (.05mm) thick shim installed

Pressure Supply		Air Consumption		Maximum Velocity		Sound Level @ 3' (91cm)	Maximum Force	
PSIG	BAR	SCFM	SLPM	FPM	M/S	dBA	OUNCES	GRAMS
20	1.4	12.6	357	8,000	40.6	71	7.7	218
40	2.8	26.2	742	12,000	61.0	77	17.0	481
60	4.1	43.7	1237	16,000	81.3	80	27.2	771
80	5.5	59.6	1688	20,000	101.6	82	38.0	1080
100	6.9	73.5	2081	24,000	121.9	85	49.6	1406

Super Air Wipe Specifications

The Super Air Wipe has a 1/4" NPT female inlet on one side and coupling hose to supply air to the other. Tapped holes on the back are provided for permanent mounting if the Super Air Wipe is not held in place with rigid pipe. Coupling brackets that hold each half of the Super Air Wipe together are provided which can be installed or removed quickly if required. The Super Air Wipe includes a .002" thick shim and other shims can be installed easily if additional hard-hitting force is required.



Super Air Wipe Dimensions

MODEL #		A	B	C	D
2402	in	4.75	1.13	2.00	3.95
	mm	121	29	51	100
2404	in	6.75	1.13	4.00	5.95
	mm	172	29	102	151

The Super Air Wipe Kit includes the brackets, 2' (30cm) hose, fittings, filter separator, pressure regulator and shim set.

Super Air Wipe Systems

Super Air Wipe Only

Model #	Description
2402	2" (51mm) with brackets and 2' (61cm) hose
2404	4" (102mm) with brackets and 2' (61cm) hose

Super Air Wipe Kit

Kit includes Super Air Wipe with brackets, 2' (61cm) hose, fittings, filter separator, pressure regulator and shim set

Model #	Description
2452	2" (51mm)
2454	4" (102mm)

Super Air Wipe Shim Set

Shim Sets include (1) each of a .001" (.03mm), .003" (.08mm) and .004" (.10mm) thick plastic shim.

Model #	Description
2352	2" (51mm)
2354	4" (102mm)

Accessories

9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1841 SLPM)
9032	Auto Drain Filter Separator, 1/2 NPT, 90 SCFM (2548 SLPM)

Accessories (con't)

Model #	Description
9005	Oil Removal Filter, 3/8 NPT, 15-37 SCFM (425-1048 SLPM)
9006	Oil Removal Filter, 3/4 NPT, 50-150 SCFM (1415-4248 SLPM)
9008	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1416 SLPM)
9033	Pressure Regulator with Gauge, 1/2 NPT, 100 SCFM (2832 SLPM)