

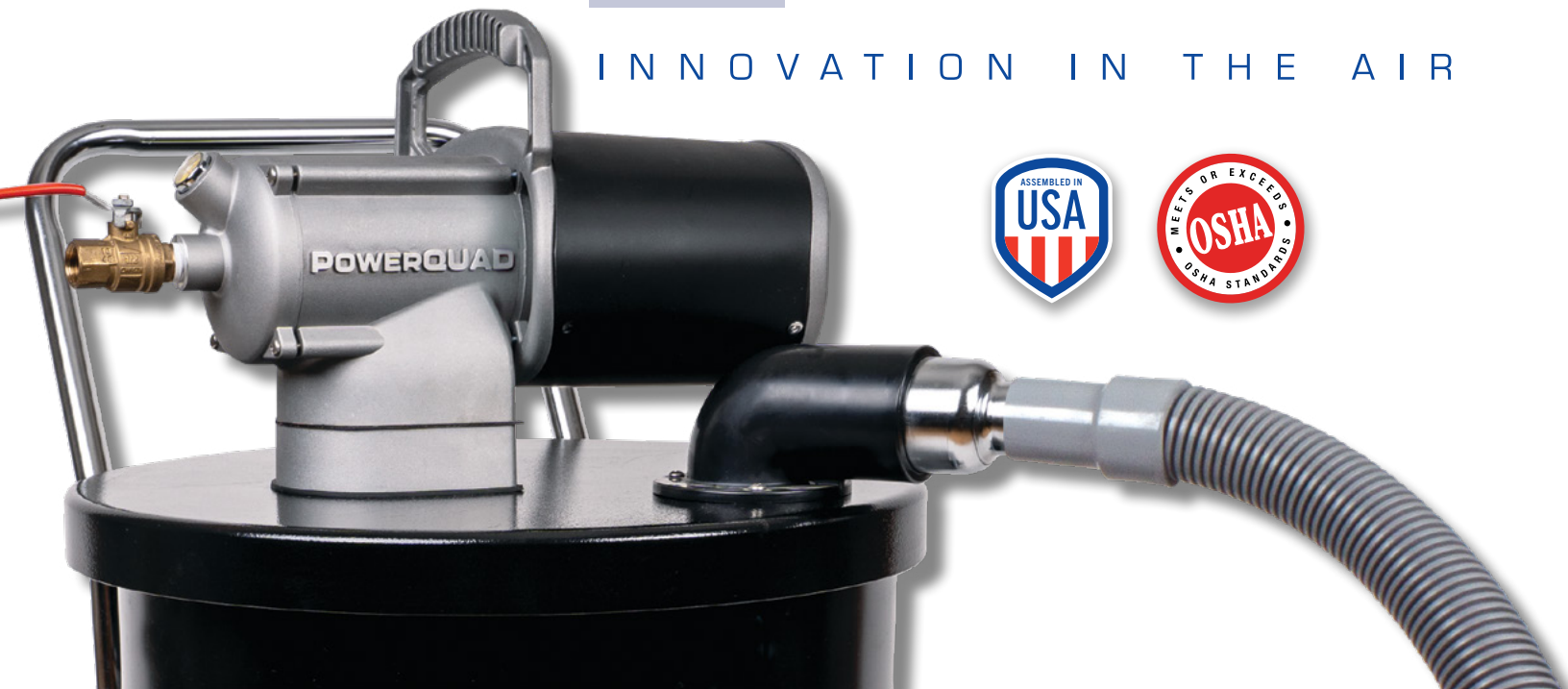
GUARDAIR®

SAURYA

Value Driven Safety

Safety Air Guns

INNOVATION IN THE AIR



MEETING OSHA STANDARDS



At Guardair Corporation, our number one concern is worker safety. Given this focus, all Guardair safety air guns meet or exceed applicable OSHA Standards.

OSHA regulations can often be confusing. However one thing is certain. Compressed air can be extremely dangerous if misused, and horseplay in the workplace can lead to serious injury. This is why compliance with OSHA Standards pertaining to Output Pressure, Chip Guarding and Noise is critical when cleaning with compressed air.



OSHA COMPLIANCE KIT

Understand OSHA Standards when cleaning with compressed air, test air guns for OSHA compliance, and raise plant safety awareness with the Guardair **OSHA COMPLIANCE KIT**.

Complete kit includes:

- OSHA Standards
- Air Pressure Test Gauge
- Air Gun Safety in the Workplace Video
- Air Gun Safety Poster

Available **FREE** to Guardair Distributors and qualified End-Users.



Order Your
FREE Kit

OUTPUT PRESSURE

Factory air lines normally operate at pressures between 80 and 120 psi (pounds per square inch). Most pneumatic tools, including air guns, require such high pressures to operate effectively. However, OSHA requires that should the nozzle tip of an air gun become dead-ended (blocked), the static pressure at the point of blockage be no more than 30 psi.

All Guardair safety air guns meet this requirement.

OSHA STANDARD

29CFR Part 1910.242 (b)

Hand and portable powered tools and equipment, general.

OSHA INSTRUCTION

STD 01-13-001

OSHA PROGRAM DIRECTIVE #100-1

CHIP GUARDING

Blowing off debris with an air gun in close quarters often subjects workers to "chip fly-back". This term refers to the tendency of loose particles or chips to fly back into the operator's face, eyes or skin. For operations which require close-in work, OSHA requires that "effective chip guarding" be incorporated into the workplace.

Guardair offers safety air guns designed for close-in work incorporating a protective air cone for effective chip guarding.

OSHA STANDARD

29CFR Part 1910.242 (b)

Hand and portable powered tools and equipment, general.

OSHA INSTRUCTION

STD 01-13-001

OSHA PROGRAM DIRECTIVE #100-1

NOISE

Excessive noise generated in the workplace can be harmful. To address this problem, OSHA has developed permissible daily noise exposure specifications. The use of low noise, safety air guns can sometimes be an important component in moving towards noise compliance.

Guardair offers safety air guns which incorporate proprietary noise-limiting features.

OSHA STANDARD

29CFR Part 1910.95 (a)

Occupational noise exposure.

APPLICABLE OSHA STANDARDS

OUTPUT PRESSURE/CHIP GUARDING

OSHA STANDARD

29CFR Part 1910.242 (b)

Hand and portable powered tools and equipment, general.

Compressed air used for cleaning. Compressed air shall not be used for cleaning purposes except where reduced to less than 30 psi and then only with effective chip guarding and personal protective equipment.

OSHA INSTRUCTION

STD 01-13-001

October 30, 1978

Office of Program Operations

February 14, 1972

OSHA PROGRAM DIRECTIVE #100-1

To: National and Field Offices

Subject: Reduction of Air Pressure Below 30 psi for Cleaning Purposes

Attachment: Acceptable Methods for Complying with 41 CFR 50-204.8 and 29 CFR 1910.242(b)

1. Purpose. To provide guidance and examples of what alternate systems will meet the requirements of this section, and to clarify its intent.

2. Background. A number of inquiries have been received requesting a clarification of the meaning of 1910.242(b) also known as 41 CFR 50-204.8 under the Walsh-Healey Act.

3. Interpretation. The phrase "reduce to less than 30 psi" means that the downstream pressure of the air at the nozzle (nozzle pressure) or opening of a gun, pipe, cleaning lance, etc., used for cleaning purposes will remain at a pressure level below 30 psi for all static conditions. The requirements for dynamic flow are such that in the case when dead ending occurs a static pressure at the main orifice shall not exceed 30 psi. This requirement is necessary in order to prevent a back pressure buildup in case the nozzle is obstructed or dead ended. See enclosure (1) for two acceptable methods of meeting this requirement. Also, there is no intent to restrict the diameter of the nozzle orifice or the volume (CFM) flowing from it.

"Effective chip guarding" means any method or equipment which will prevent a chip or particle (of whatever size) from being blown into the eyes or unbroken skin of the operator or other workers. Effective chip guarding may be separate from the air nozzle as in the case where screens or barriers are used. The use of protective cone air nozzles are acceptable in general for protection of the operator but barriers, baffles or screens may be required to protect other workers if they are exposed to flying chips or particles.

4. Action. Inquiries about subject section should be handled in accordance with this instruction.

5. Effective Date. This instruction is effective immediately, and will remain in effect until canceled or superseded.

Director, of Program Operations

NOISE

OSHA STANDARD

29CFR Part 1910.95 (a)

Occupational noise exposure.

Protection against the effects of noise exposure shall be provided when the sound levels exceed those shown in Table G-16 when measured on the A scale of a standard sound level meter at slow response.

Table G-16 Permissible Noise Exposures

Duration per day, hours	8.0	6.0	4.0	3.0	2.0	1.5	1.0	0.5	0.25
Sound level dBA slow response	90	92	95	97	100	102	105	110	115

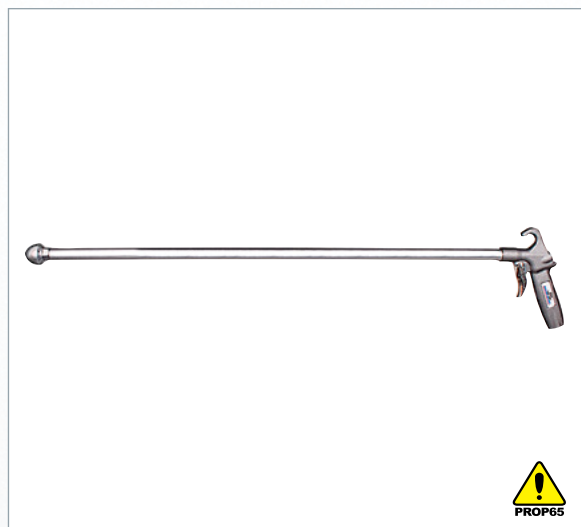
Specialty Air Guns

Air guns for specialty applications.



SAURYA

Value Driven Safety



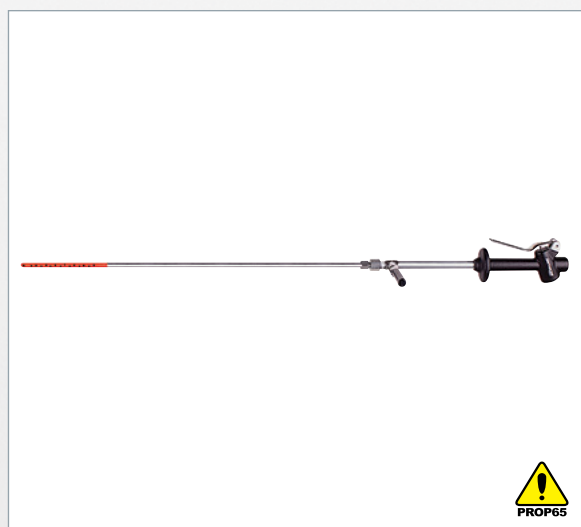
ReverseForce® Air Gun

Harnessing the power of compressed air, the ReverseForce Air Gun effectively extracts metal chips and debris from deep inside axle housings, hydraulic cylinders, machine cavities and gear boxes. Faster than conventional cleaning methods, the ReverseForce extracts rather than drives chips and debris further into interior of machinery. Light-weight and easy to handle.

Features

- Durable cast aluminum body with hanging hook
- Wide comfort trigger
- Rugged, 48" aluminum extension
- Powerful, aluminum ReverseForce Nozzle
- 1/4" FNPT inlet

Part No.	Model/Description	Air Inlet FNPT (in)	Min. Compressor Required (hp)	Flow (cfm)	Noise Level (dBA)	Dimensions (L" x W" x H")	Weight (lbs)
75RF048AA	ReverseForce Air Gun	1/4	8.2	37	93	51 x 1.4 x 6.6	1.4



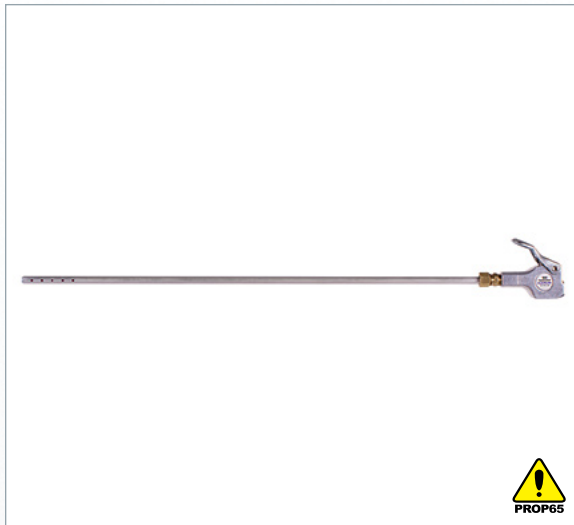
Radiator Gun

Airborne dust, dirt, trash and debris can be a real problem for cooling systems in heavy equipment and vehicle engines. Ineffective cleaning of radiator fins and other surfaces can lead to engine overheating or failure. Designed to quickly and effectively blast away debris, the Radiator Gun features a bi-directional multi-port, linear nozzle that delivers a powerful, wide spray pattern of compressed air. Featuring a 1/2" diameter, 60" heavy-duty stainless steel extension, this configuration provides unparalleled cleaning within hard-to-access radiator housings and engine bays. Equipped with a 3/4" FNPT inlet, the Radiator Gun can also be ordered with a swivel universal coupling. Compressed air is typically supplied by a 185 cfm tow-behind, or stationary in-plant compressor.

Features

- Multi-port linear, 95 cfm nozzle
- 1/2" diameter, 60" stainless steel extension
- In-line style handle with thermally insulated grip
- Adjustable auxiliary handle
- 3/4" FNPT Inlet

Part No.	Model/Description	Air Inlet FNPT (in)	Min. Compressor Required (hp)	Flow (cfm)	Noise Level (dBA)	Dimensions (L" x W" x H")	Weight (lbs)
INRG060SS	Radiator Gun	3/4	21	95	101	69.4 x 12.5 x 4.7	4.7
INRG060SSJ34	Radiator Gun with Swivel Universal Coupling	3/4	21	95	101	72.1 x 12.5 x 4.7	5.5



Filter Cleaning Gun Series

Extend the life of expensive air filters with the Filter Cleaning Gun – an essential tool for general maintenance and automotive use. Powered by standard shop compressed air, the bi-directional, multi-port nozzle delivers a linear spray pattern of compressed air from opposite sides of the nozzle. Perfect for removing impurities from various types of air filters. Effectively cleans radiators and other surfaces.

Features

- Easier and more efficient than traditional manual cleaning
- Unique bi-directional design eliminates dangerous “extension whipping” commonly experienced when air can only exit one direction
- Multiple extension lengths available (12", 24", 36" and 48")
- Comfortable, thumb-switch style trigger
- Lightweight, aluminum construction
- 1/4" FNPT inlet

Part No.	Model/Description	Air Inlet FNPT (in)	Min. Compressor Required (hp)	Flow (cfm)	Output Thrust (lbs)	Noise Level (dBA)	Dimensions (L" x W" x H")	Weight (lbs)
900FG012	With 12" Extension	1/4	6	24	0.6	92	15 x 1 x 2.9	0.4
900FG024	With 24" Extension	1/4	6	24	0.6	92	27 x 1 x 2.9	0.4
900FG036	With 36" Extension	1/4	6	24	0.6	92	39 x 1 x 2.9	0.5
900FG048	With 48" Extension	1/4	6	24	0.6	92	51 x 1 x 2.9	0.6



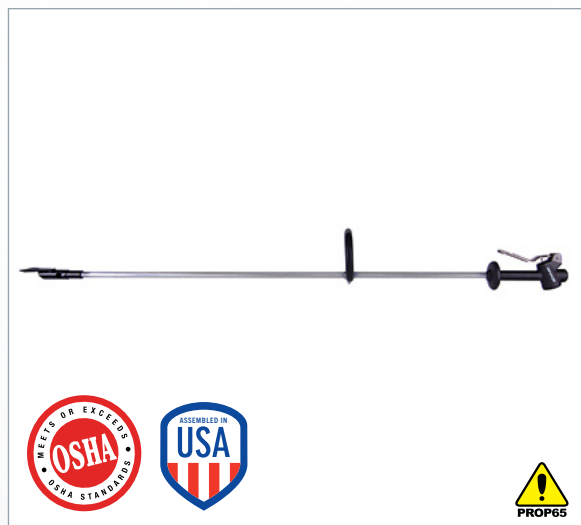
Blind Hole® Safety Air Gun Series

Specifically designed to clean out blind holes in metal, wood, and plastic work pieces. Delivers a high velocity jet of air into deep crevices and blind holes to flush out chips and dirt. Proprietary, protective air cone shields against dangerous “chip fly-back.” Ergonomic, Classic+ pistol grip-style handle provides maximum user comfort.

Features

- Durable cast aluminum body with hanging hook
- Wide comfort trigger
- Safety air shield
- 3/16" OD brass extension with 1/8" OD plastic stylus tip
- 1/4" FNPT inlet
- Meets OSHA standards

Part No.	Model/Description	Air Inlet FNPT (in)	Min. Compressor Required (hp)	Flow (cfm)	Output Thrust (lbs)	Noise Level (dBA)	Dimensions (L" x W" x H")	Weight (lbs)
74BH006Z	With 6" Extension	1/4	7.8	35	0.1	103	12 x 1 x 6.6	0.7
74BH012Z	With 12" Extension	1/4	7.8	35	0.1	103	18 x 1 x 6.6	0.7
74BH018Z	With 18" Extension	1/4	7.8	35	0.1	103	24 x 1 x 6.6	0.7
74BH024Z	With 24" Extension	1/4	7.8	35	0.1	103	30 x 1 x 6.6	0.8



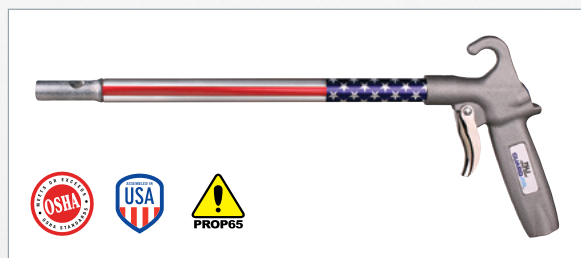
Inforcer® Steel with Scraper Nozzle Safety Air Gun

Featuring a hardened, steel scraper nozzle and Inforcer style handle, this safety air gun provides superior scraping and chiseling power coupled with compressed air to blast away debris. Commonly used in foundries for breaking slag off the walls of crucibles, in construction for demo work, or on railways for track maintenance. Comes with a 60" steel extension and handle to withstand heavy impact. OSHA compliant.

Features

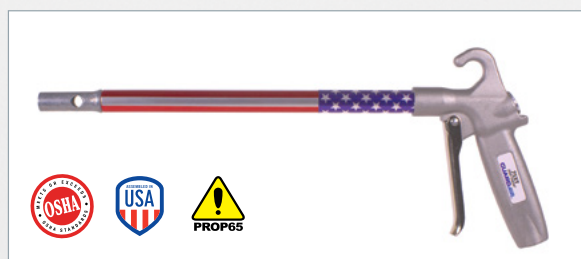
- Thermally insulated, in-line style, steel handle
- Rugged 60" steel extension
- Heavy-duty adjustable auxiliary handle
- Hardened steel, scraper nozzle
- 3/4" FNPT inlet
- Meets OSHA standards

Part No.	Model/Description	Air Inlet FNPT (in)	Min. Compressor Required (hp)	Flow (cfm)	Noise Level (dBA)	Dimensions (L" x W" x H")	Weight (lbs)
INF5060SNS	Inforcer Steel 60" with Scraper Nozzle	3/4	41	185	121	72.3 x 3.4 x 12.5	12



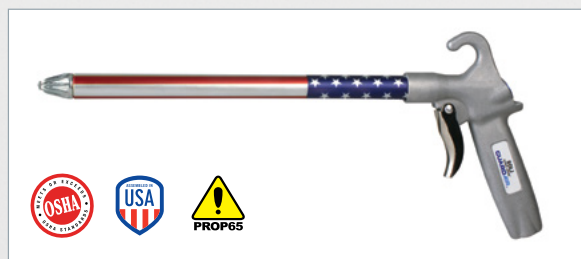
Long John® 75LJ Safety Air Gun with US Flag Markings

The perfect tool for cleaning inaccessible and hard-to-reach areas, Long John® safety air guns are used for blowing floor debris, cleaning masonry forms, tanks, ovens, molds, and rafters, as well as machinery and storage areas. Efficient venturi nozzle boosts thrust up to 200% over conventional air guns, yet limits static pressure to less than 30 psi should the tip become blocked. Ergonomic, Classic+ pistol grip-style handle provides maximum user comfort. AVAILABLE in 12" LENGTH. See website.



XtraThrust® 75XT Safety Air Gun with US Flag Markings

Guardair's XtraThrust® Series provides all the benefits of the Long John® Series but with 40% more power. Ideal for the toughest applications and to move the heaviest debris, the XtraThrust nozzle generates over 300% more thrust compared to conventional air guns, yet limits static pressure to less than 30 psi should the tip become blocked. Ergonomic, Classic+ pistol grip-style handle provides maximum user comfort. AVAILABLE in 12" LENGTH. See website.



WhisperJet® 80LJ Safety Air Gun with US Flag Markings

The perfect tool for cleaning inaccessible and hard-to-reach areas, powerful 80LJ WhisperJet® Series safety air guns are used for cleaning and blowing debris in noise sensitive environments. WhisperJets nozzle reduces noise 6 to 20 dB compared to conventional air guns. AVAILABLE in 12" LENGTH. See website.



Value Driven Safety

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