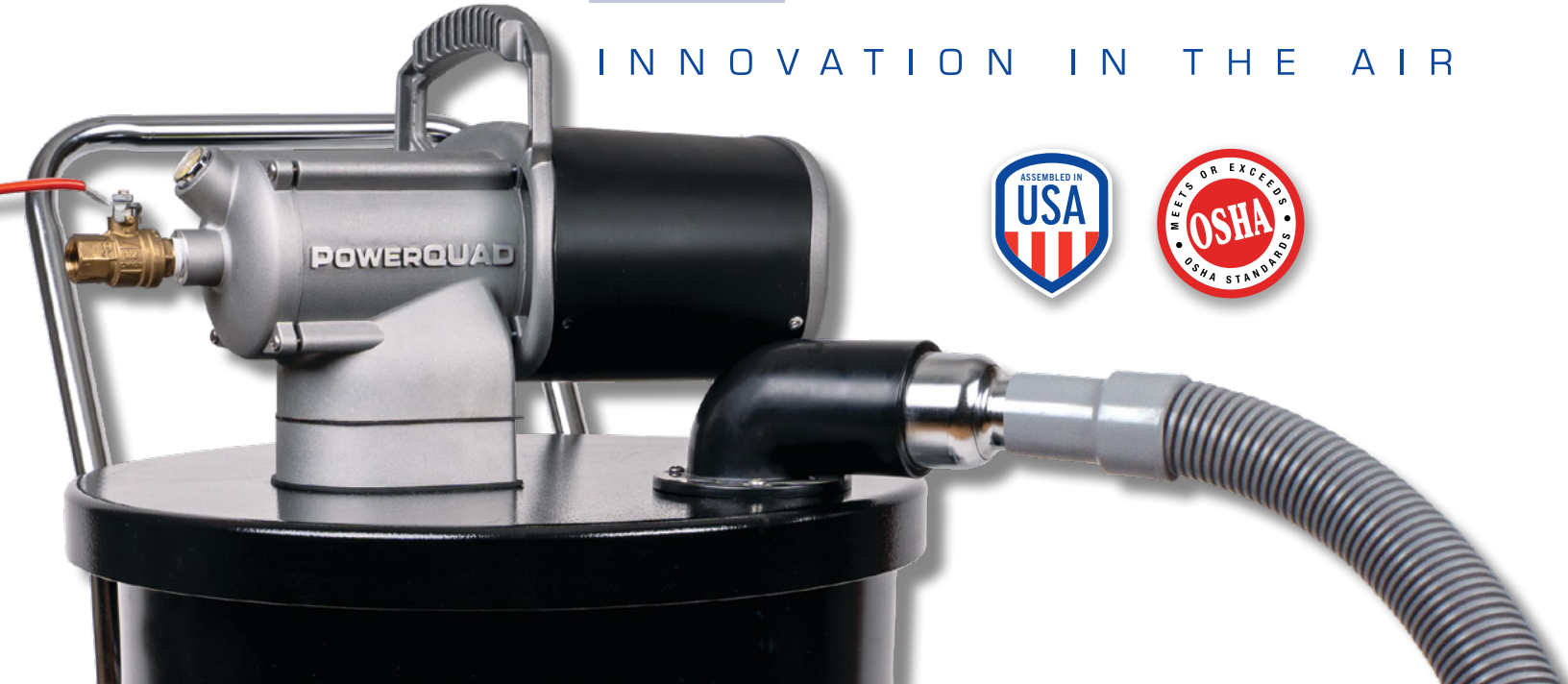
GUARDAIR®

SAURYA

Value Driven Safety

Safety Air Guns

INNOVATION IN THE AIR



ASSEMBLED IN USA

MEETS OR EXCEEDS OSHA STANDARDS

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 50-2048 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

PalmJet® Safety Air Guns

Innovation in the palm of your hand.

SAURYA

Value Driven Safety

PalmJet® Safety Air Gun Series

Designed to be the most advanced, thumb-switch style safety air gun on the market today, the PalmJet features a comfortable, ergonomic handle and a rugged, stainless steel, 1/4" diameter extension – ideal for cleaning the tightest cavities. Choose from eight popular bent and straight extension configurations. Precision volume control sets the airflow – from a whisper to a blast. Star-tip nozzle provides OSHA compliance and superior, debris-cleaning performance. 1/4" FNPT inlet.

Features

- High impact, polypropylene body
- Soft rubber, ergonomic grip
- Extended, comfort trigger
- Generous hanging hook
- Precision, adjustable air volume control
- OSHA compliant, Star Tip nozzle
- Brass 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)
GA4404S	With 4" Straight Extension	1/4	1.3	6	0.4	85	9.5 x 1 x 5	0.3
GA4404B	With 4" Bent Extension	1/4	1.3	6	0.4	85	9.4 x 1 x 5	0.3
GA4412S	With 12" Straight Extension	1/4	1.3	6	0.4	85	17.5 x 1 x 5	0.4
GA4412B	With 12" Bent Extension	1/4	1.3	6	0.4	85	17.4 x 1 x 5	0.4
GA4418S	With 18" Straight Extension	1/4	1.3	6	0.4	85	23.5 x 1 x 5	0.4
GA4418B	With 18" Bent Extension	1/4	1.3	6	0.4	85	23.4 x 1 x 5	0.4
GA4424S	With 24" Straight Extension	1/4	1.3	6	0.4	85	29.5 x 1 x 5	0.5
GA4424B	With 24" Bent Extension	1/4	1.3	6	0.4	85	29.4 x 1 x 5	0.5

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Distributed by: SAURYA HSE PVT LTD
HO: C-112A, Kailash Business Park, Veer Sawarkar Marg, Vikhroli (West), Mumbai – 400079.
T: +91 22 4065 5555 | E: info@sauryahse.com | W: www.sauryahse.com