AirGear® PRO

NIOSH · 42 CFR 84 · N95

AirGearPro D-150

N95 Particulate Respirator — Unvalved

NIOSH-APPROVED · ≥99% FILTRATION · UNVALVED

The AirGearPro D-150 is a **NIOSH-approved N95** filtering facepiece respirator with a molded cup design and **no exhalation valve**. It filters ≥99% of non-oil-based airborne particulates with low breathing resistance in both directions. Because it is unvalved, it is suitable for use around others and in **source-control** settings where valved respirators are not permitted. Built for construction, industrial and trade environments.



AirGearPro D-150 Unvalved N95 Respirator

≥99%	~8 mmH$_2$O	Metal-free	5 years
Filtration (as tested)	Breathing, both ways	No clip or staples	Shelf life

KEY FEATURES

- **NIOSH-approved N95** — filters ≥99% of non-oil-based particulates.
- **Low breathing resistance both ways** — ~8 mmH$_2$O inhalation and exhalation for comfortable wear, without a valve.
- **Unvalved** — suitable for source-control / around-others use where valved masks aren't allowed.
- **Molded cup with preformed nose panel and foam cushion** — secure seal without a metal nose clip.
- **Metal-free construction** — no metal nose clip or staples; suited to metal-detection and food-processing environments.
- **Ultrasonic-welded twin headband** for a stable, durable fit.
- **Available in box of 10 each and box of 20 each.**

CERTIFICATION & COMPLIANCE

- **Standard:** NIOSH 42 CFR Part 84 — N95 classification (unvalved).
- **Approval:** NIOSH-approved; TC number printed on packaging.

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TECHNICAL DATA — D-150

TECHNICAL SPECIFICATIONS

Parameter	Specification
Respirator class	N95 particulate, unvalved — NIOSH 42 CFR Part 84
Filtration efficiency	≥99% as tested (penetration ≤0.074%, NaCl 0.3 µm @ 85 L/min); NIOSH N95 minimum ≥95%
Inhalation resistance	≤9 mmH_2O typical (avg ~8.4; NIOSH max 35 mmH_2O)
Exhalation resistance	≤9 mmH_2O typical (avg ~8.3; NIOSH max 25 mmH_2O)
Valve	None (unvalved)
Filter media	Meltblown polypropylene, 38 gsm
Construction	Polypropylene nonwoven; ultrasonically welded
Nose seal	Preformed molded nose panel + foam cushion (no metal clip required)
Head straps	Ultrasonic-welded twin headband
Metal content	Metal-free — no metal nose clip or staples
Colour	White
Sizing	One size (adult)
Shelf life	5 years

BREATHING PERFORMANCE

The D-150 is built on AirGearPro's molded-cup platform, engineered for a secure seal across adult face sizes. Despite the unvalved design, both inhalation and exhalation resistance measure ~8 mmH_2O — well below the NIOSH maxima (35 in / 25 out) — for easy, balanced breathing, with filtration efficiency ≥99% in testing.

APPLICATIONS

- Construction, demolition, drywall & plaster.
- Sanding, grinding & woodworking.
- Dust, pollen & mold remediation.
- Wildfire smoke & general particulate protection.
- Source-control settings — protecting others around the wearer (unvalved).

EMPOWERING SAFETY, EMBRACING SUSTAINABILITY.