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.

## 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).



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