

## SPECIFICATIONS

Product Description: **RESPIRATOR, SUPPLIED AIR SHIELD w/ WELDING HELMET**  
Part Number: **9904-WB, 9249 SERIES**  
Style: **DELUXE (#10 LENS)**

### GENERAL DESCRIPTION:

**Welding Helmet:** This is a cost-effective system used by foundries, aluminum plants, mines, chemical plants, refineries, auto manufacturers, metal working and fabrications. Performance proven with a constant and powerful supply of breathable air from a clean air source, this Helmet offers protection from airborne contaminants including hexavalent chromium applications, flying debris, sparks, chemical and molten metal splashes. The welding shield flips allowing user to grind and clean metal looking through clear ANSI face shield. Large #10 lens included. Complies with ANSI Z89.1 Type 1 Class G for head protection; ANSI Z87.1+ for face-shield/eye protection. **NIOSH approved**

**System:** The Supplied Air Respirator delivers a constant and powerful supply of breathable from a clean air source. They include one or two shields and welding helmets, a 3/4 hp or 1 1/2 hp breathing air pump and 50 feet of breathing hose. Complies with ANSI Z89.1 Type 1 Class G for head protection; ANSI Z87.1+ for face-shield/eye protection. **NIOSH approved**

### PROTECTION FACTOR:

A Certified 3<sup>rd</sup> Party Testing Lab was contracted to conduct a Simulated Workplace Protection Factor Study on the 9904 Series Respirator. The results of this study indicated that 9904 samples tested yielded 5<sup>th</sup> percentile protection factors greater than 1,000 thus allowing Allegro to claim that the 9904 Series Respirator qualifies for an APF of 1000 as permitted by OSHA\*.

*\*Per OSHA Assigned Protection Factor, Federal Register Notice 71:50121-50192, Dated 8/24/2006. Supporting test data is available upon request from Allegro Industries.*

### AIR SHIELD/HELMET:

- NIOSH approved
- Head protection: ANSI Z89.1 Type 1 Class G
- Made of ABS
- Low profile and lightweight weighing only 3.620 lbs. (1.64 kg)
  - Visor: 0.480 lbs. (0.21 kg)
- Quick release suspension for easy cleaning
- Made in USA

### LENS (SHIELD):

- Eye Protection: ANSI Z87.1-2003
- Protection Factor: APF 1000
- Made of anti-fog polycarbonate
- Viewing area: 15" x 6.75" (38.1 cm x 17.1 cm)



9904-  
WB



9249-01

**VISOR (WELDING HELMET):**

- Made of Nylon 6
- Large #10 lens included
- 4" x 4.75" (10.1 cm x 12 cm)
- Optional ADF lens sold separately

**ADF LENS: (Sold Separately)**

- ADF lens uses IntelliSense technology that allows unit to detect welds less than 5 amps
- Four redundant sensors in a staggered design eliminate blocked sensors
- Versatile cartridge fits in most 4" x 5" vertical windows
- Replaceable lithium batteries
- Smart View LCD for fingertip control information
- Low battery indicator
- Soft touch control panel eliminates contaminants

**NECK CAPE:**

- Made of Stedprene (a fire retardant, polyurethane coated poly cotton fabric)
- Added comfort
- Protects user's neck from falling debris

**DOWNTUBE & FLOW CONTROLLERS:**

- Corrugated flexible and lightweight glass-filled nylon for greater comfort and less fatigue
- Easily interchangeable to Low Pressure or High Pressure. Four options available: Low Pressure Flow Adapter (PN 9910-11) (10-43 psi), High Pressure Flow Control Valve (PN 9992) (25-46 psi), Personal Cooler (PN 9991) (72-98 psi), Air Temperature Controller (PN 9990) (90-120 psi)
- Made of PU-FR (Flame Retardant Polyurethane) with an ABS Helix. UL94 listed.
- Low profile nylon adjustable waist belt



9910-11



9992



9991



9990

**AVAILABLE:**

PN	Description
<b>Helmets</b>	
<b>9904-WB</b>	Deluxe Supplied Air Shield & Welding Helmet w/No Flow Valve
<b>9904-DWB</b>	Deluxe Supplied Air Shield & Welding Helmet w/LP Adapter
<b>9904-CVWB</b>	Deluxe Supplied Air Shield & Welding Helmet w/HP Control Valve
<b>9904-CWB</b>	Deluxe Supplied Air Shield & Welding Helmet w/HP Personal Cooler
<b>9904-HCWB</b>	Deluxe Supplied Air Shield & Welding Helmet w/HP Temperature Controller
<b>Systems</b>	
<b>9249-01</b>	One Worker System with 50' Hose (with 9821 pump, refer to 9821 spec sheet for more information)
<b>9249-02</b>	Two Worker System with 50' Hose (with 9832 pump, refer to 9832 spec sheet for more information)
<b>Filters</b>	
<b>9904-35</b>	Variable Shade 9-13 Auto Darkening Filter Kit