SPECIFICATIONS

Product Description: **RESPIRATOR, SUPPLIED AIR SHIELD w/ WELDING HELMET**
Part Number: **9904-W SERIES**
Style: **DELUXE (ADF LENS)**

GENERAL DESCRIPTION:

9904-W

Welding Helmet: Performance proven and a cost effective system used by foundries, aluminum plants, mines, chemical plants, refineries, auto manufacturers, metal working and fabrications. This helmet offers protection from airborne contaminates 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. Equipped with variable shade, auto-darkening lens, shade 9-13. Complies with ANSI Z89.1 Type 1 Class G for head protection; ANSI Z87.1+ for face-shield/eye protection. ***NIOSH approved***

9248-01

System: The Supplied Air Respirator delivers a constant and powerful supply of breathable air from a clean air source. Includes one or two shields/welding helmets, a 3/4 hp or 1 1/2 hp ambient air pump and 50 feet of breathing hose. NIOSH approved/ANSI certified "all in one" system provides respiratory, head, eye and face protection. 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 3rd Party Testing Lab was contracted to conduct a Simulated Work Place Protection Factor Study on the 9904 Series Respirator. The results of this study indicated that 9904 samples tested yielded 5th 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 (3.625 lbs) (visor alone: 0.485 lbs)
- 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" (38.1cm X 17.1cm)

VISOR (WELDING HELMET):

- Made of glass filled polyamide (Nylon)
- Variable shade, auto-darkening lens, shade 9-13
- 4.25” X 3.5” (10.8cm X 8.9cm)

AUTO-DARKENING FILTER (ADF) - WELDING HELMET:

- Good for all welding processes including TIG and TIG pulsing
- ADF lens, shade 9-13
- Features both optical and magnetic arc detection systems
- Capability to detect light and magnetic waves that occur during welding
- Optomagnetic sensors can be adjusted from zero to six feet in range
- Solar powered with dual sensors
- Active viewing area: 3.8” X 1.6” (9.65cm X 4.06cm)

NECK CAPE:

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

DOWN TUBE & 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 (P/N 9910-11) (10-43 psi), High Pressure Flow Control Valve (P/N 9992) (25-46 psi), Personal Cooler (P/N 9991) (72-98 psi), Air Temperature Controller (P/N 9990) (90-120 psi)
- Low profile nylon adjustable waist belt

9910-11
9904-DW

9992
9904-CVW

9991
9904-CW

9990
9904-HCW

AVAILABLE:

PN	Description
Helmets	
9904-W	Deluxe Supplied Air Shield & Welding Helmet w/No Flow Valve
9904-DW	Deluxe Supplied Air Shield & Welding Helmet w/LP Adapter
9904-CVW	Deluxe Supplied Air Shield & Welding Helmet w/HP Control Valve
9904-CW	Deluxe Supplied Air Shield & Welding Helmet w/HP Personal Cooler
9904-HCW	Deluxe Supplied Air Shield & Welding Helmet w/HP Temperature Controller
Systems	
9248-01	One Worker System with 50’ Hose (with 9821 pump, refer to 9821 spec sheet for more information)
9248-02	Two Worker System with 50’ Hose (with 9832 pump, refer to 9832 spec sheet for more information)
Filters	
9904-36	Variable Shade 9-13 Auto Darkening Filter Kit