



APOLLO SUPPLIED-AIR RESPIRATOR SAFETY CHECKLIST

OSHA places responsibility for determining workplace hazards on the Employer. Refer to Guide on back for details

Employer: _____

Audit Date: _____

Workplace: _____

Auditor: _____

| Respiratory Hazards | | | User Training & Pulmonary Fitness Test | | |
|----------------------------|----------|----------------------|---|-------------------------|--------------------|
| Contaminant | OSHA PEL | Measured Contaminant | Respirator User | Date Training Completed | Date PFT Performed |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ | _____ |

| Respirator Inspection | Pass | Fail | NIOSH Approved Replacement Parts <small>(see owner's manual on www.clemcoindustries.com)</small> |
|--------------------------------------|-------------|-------------|--|
| Inspection Item: | | | _____ |
| Proper Storage | _____ | _____ | _____ |
| Cleanliness | _____ | _____ | _____ |
| Suspension | _____ | _____ | Stock No. 10532 |
| Chin Strap | _____ | _____ | Stock No. 04460 |
| Inner Collar | _____ | _____ | Stock No. 21301 w/cape |
| Cape | _____ | _____ | Stock No. 21301 w/inner collar |
| Belt Assembly | _____ | _____ | Stock No. 04430 |
| Air Control Valve (ACV) | _____ | _____ | Stock No. 100024 |
| Breathing Air Tube | _____ | _____ | Stock No. 22811 |
| Supplied-Air Respirator (Helmet) | _____ | _____ | <small>(If helmet is damaged, helmet must be replaced)</small> |
| Window Gasket | _____ | _____ | Stock No. 99996 |
| Inner Lens (ANSI Z87 stamp) | _____ | _____ | Stock No. 21409 |
| Intermed. Lens (ANSI approved) | _____ | _____ | Stock No. 21410 |
| Outer Tear-Off Lens (NIOSH approved) | _____ | _____ | Stock No. 21411 |
| Window Frame & Latch | _____ | _____ | Stock No. 20976 & 21298 |
| Air Supply Hose | _____ | _____ | Stock No. 04415 (50' standard) |
| Hose Fittings to ACV | _____ | _____ | Stock No. 00025 & 01019 |
| Hose Fittings to CPF | _____ | _____ | Stock No. 00022 & 01020 |

| Clemco Particulate Filters CPF-20 (03578) or CPF-80 (03527) | Pass | Fail | Air Supply | Pass | Fail |
|--|-------------|-------------|--|-------------|-------------|
| CPF is used with HP respirators only | | | Oil Compressor Air Supply | _____ | _____ |
| Filter Cartridge (03547) <small>(replace every 90 days)</small> | _____ | _____ | High Temperature Alarm: | _____ | _____ |
| Drain water through valve: | _____ | _____ | Carbon Monoxide Monitor: | _____ | _____ |
| Canister & Fittings: | _____ | _____ | 120V (22894) 12V (25024) | _____ | _____ |
| Regulator: (03594) | _____ | _____ | CO Monitor Calibrated: | _____ | _____ |
| Maximum Air Pressure 125 PSI | _____ | _____ | Grade D Air <small>(per CGA Specification G-7.1):</small> | _____ | _____ |

APOLLO SUPPLIED-AIR RESPIRATOR SAFETY GUIDE

Respirator use requires the oversight of personnel competent in the field of Environmental Health and Safety. Employers must always fully understand the health and safety risks to every employee, implement all applicable safety measures required by good engineering practice, and follow federal, state, and local regulations. The Employer is responsible for an employee's full understanding of workplace hazards.

Determining Respiratory Hazards:

The first step is to determine if a respirator is required. The Occupational Safety and Health Administration (OSHA) publishes a list of Permissible Exposure Limits (PELs) for hazardous contaminants. The National Institute of Occupational Safety and Health (NIOSH) and the American Conference of Government Industrial Hygienists (ACGIH) play a major role in identifying these contaminants and the level at which they are hazardous.

The best method to determine work place hazards is to have a Certified Safety Professional (CSP) or a Certified Industrial Hygienist (CIH) assess the work environment. The following websites list consultants:

<http://www.assedirectory.com/disclaimer.asp>
<http://www.aiha.org/Content/AccessInfo/consult/consultantsearch.htm>

A list of Hazardous Materials regulated by OSHA can be found at:

http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10147

If the competent professional determines the need for a respirator, a Job Hazard Analysis (JHA) must be completed. Instructions on how to perform this analysis can be found at:

<http://www.osha.gov/pls/publications/pubindex.list>

Once all job site hazards have been identified and a Job Hazard Analysis completed, the next step is selecting a respirator.

Selecting a Respirator:

NIOSH publishes a manual, used by OSHA to assess the adequacy of respirators employers choose. The NIOSH manual provides a systematic way to select a respirator. The NIOSH Respirator Selection Logic can be found at:

<http://www.cdc.gov/niosh/docs/2005-100/>

Once the appropriate respirator has been selected, the employer must create a detailed Respiratory Protection Program. The federal standard, which governs this regulation, can be found at:

http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=12716

This website directs the employer to the Industry Standard for Respiratory Protection. The Construction standard (CFR29-1926.103) and the Maritime standard (CFR29-1915.154) refer the employer to the General Industry Standard at the website listed above.

For additional help in developing a compliant Respiratory Protection Program, OSHA provides a manual found at:

<http://www.osha.gov/pls/publications/pubindex.list>

Included in the Respiratory Standard is the requirement for training the respirator user and performing an annual Pulmonary Fitness Test. Local occupational medical professionals can perform this test.

Maintaining the Apollo Respirator:

While the Apollo supplied-air respirator may be used in many applications, its primary use is for respiratory protection during abrasive blasting. Apollo respirators have been tested and approved for abrasive blasting by NIOSH, as required by OSHA. Only original Apollo parts may be used to repair the Apollo respirator. Substitution of non-approved parts voids the NIOSH approval and violates OSHA regulations.

Clemco provides inspection and cleaning instructions in the owner's manual provided with the respirator. If this manual is lost, it can be found at:

http://www.clemcoindustries.com/o_m.php?cat_id=5

Maintaining the Sorbent Bed Filter:

OSHA regulations, 29CFR1910.134(i)(5)(iii), require the use of a sorbent bed or filter to further ensure breathing air quality. Clemco's CPF Air Filter satisfies this requirement. The CPF removes objectionable mist and odors from the breathing air; its replaceable filter element becomes ineffective with use. The employer shall change this filter on a regular basis, depending on its use. A manual is provided with the CPF filter. This manual also is available at:

http://www.clemcoindustries.com/o_m.php?cat_id=5

Grade D Air Requirement:

OSHA sets the breathing-air standard for Apollo respirators in 29CFR 1910.134(i). This standard includes use of Carbon Monoxide Monitors in the air-supply stream coming from oil-lubricated compressors. Clemco offers Carbon Monoxide Monitors. These monitors must be cleaned and calibrated on a documented regular basis. The owner's manual provides cleaning and calibration instructions. This manual is available at:

http://www.clemcoindustries.com/o_m.php?cat_id=5