

*Global engineering –  
Trusted solutions*



## **Operator protection**

+ **CE approved**

+ **Unparalleled safety**

+ **Complete comfort**

**Engineered  
by Clemco**

### **Operator protection – Complete protection, complete comfort**

The first priority is operator safety. Clemco CE-approved accessories protect the blast operator from excessive heat, cold, dust and noise; all irritants and safety risks are addressed. Protection in tandem with comfort is the focus of Clemco safety products, and when Clemco equipment is used with the proper accessories, the blaster can safely and comfortably concentrate on his work, achieving the highest level of productivity.



## Operator protection

### **Protective equipment –**

a comprehensive protection system for total safety

Abrasive blasting carries with it a risk of injury. Reliable safety equipment is therefore indispensable. Clemco has developed one of the highest-quality protective systems available to provide comfortable conditions in the blast environment and total safety for the operator.

### **The blast suit –**

Complete protection in any blast environment

*«Operators need ultimate protection and comfort to be able to work effectively, quickly and profitably»*

Clemco's CE-approved blast suits are proof positive that protection and comfort are not mutually exclusive in blasting. Many details of the blast suit are incorporated for greater safety, without compromising mobility, breathability and basic comfort. The classic Clemco blast suit is made of durable, soft cotton, equipped with high-quality leather inserts. These inserts are concealed in the stitching of the suit at key impact points on the torso and limbs to protect against abrasive rebound. User-friendly fasteners and velcro strips guard against the entry of dust and contaminants.

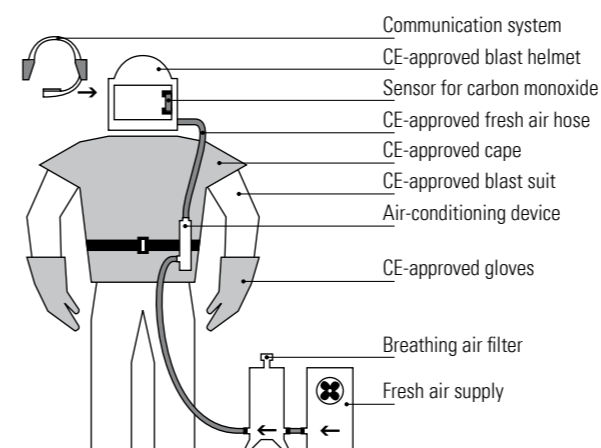
### **The blast helmet –**

Total protection for any blast environment

*«Comparable to a motorcycle helmet in both fit and form, the abrasive helmet protects the operator's head completely while delivering clean air during blasting»*

Clemco helmets comply with all international requirements and are CE-approved and certified. Another CE-approved feature is the nylon or leather cape attachment, which protects the upper body against rebounding abrasive. Fresh air is supplied via a CE-approved breathing hose. A chinstrap keeps the helmet level with the eyes and maintains position regardless of movement. The multiple safety lenses, scratchproof and highly durable, are fixed in layers within the lens frame and can be easily replaced.

### **+ System components**





## Operator protection

### **Apollo 600 –**

The perfect choice for regular blasting

With the Apollo 600, Clemco has produced the newest generation of operator protective helmets. Utilizing tried-and-true features from past generations of Clemco helmets, every last detail of the new Apollo has been refined to present the final word in operator comfort and protection. The Apollo 600 combines increased safety and protection with enhanced comfort, easy functionality and a longer lifetime.

Equipped with a unique 3-lens system to prevent any dust ingress, the helmet frame's wide dimensions provide unrestricted operator visibility. The air ventilation system, equipped with a flow connector and CE-approved warning device, distributes fresh air over the operator's head, and notifies the operator in the event of CO content in the air or a lowering of air volume. The helmet is offered in a safety-conscious shade of bright red.

The flexible size adjustment options of the helmet, combined with replaceable, washable inner material ensures the perfect fit for any operator. The optional DLX insert is available to provide additional padding for a heightened degree of comfort and acoustic protection.

### **CPF air filter –**

Clean air for safe blasting

**«With a simple exhaust valve and easy-to-replace filter cartridge, the CPF unit provides clean, fresh air to the operator indefinitely»**

The filter cartridge cleans oil, water, dust and other heavy contaminants from the compressed air supply through different stages of filter media. These stages, comprised of different levels of activated alumina and charcoal, filter incoming air to a quality superior to the standard set internationally.

The easy-to-handle CPF air filter can be deployed for mobile or stationary use and can filter air for up to four operators simultaneously. Painted safety orange, the cartridge is clearly visible on a work site.



## **Operator protection**

### **Carbon monoxide sensor –**

Immediate warning for operator protection

**«If the carbon monoxide sensor detects a PPM content of more than 10 in the incoming air, the CO sensor immediately issues visual and acoustic alarms to alert the operator to the danger»**

The CMS carbon monoxide alarm monitors air quality and triggers an immediate alarm if the concentration of CO in the air rises above the designated limit. A loud auditory signal plus a red visual light warn the operator immediately. Designed for regular, daily use, the sensor is contained in a highly durable plastic housing for a long lifetime. Sensor life, under normal conditions, will last up to 5 years.

**Optional accessories for Clemco helmets:**

### **Comfort devices –**

Controlled temperature in all climates

**«Compressor-supplied breathing air can vary according to the local climate, quickly becoming uncomfortable and impairing productivity»**

Incoming air, heated by compression, can be cooled up to 16°C by a Clemco air conditioning unit by keeping the operator comfortable even in hot climates. The Clemco air conditioner is an indispensable safety accessory, particularly in enclosed blast environments and warmer climates.

Through proprietary technology, the air conditioning unit continuously regulates the temperature of incoming air so that the operator has a consistent level of comfort. The unit can be adjusted to either cool or heat the incoming air in order to provide maximum comfort regardless of ambient temperature. These controls have been CE-certified, NIOSH approved and fulfill worldwide safety requirements.

### **Communications system –**

added safety for beginners and professionals

**«Clemco communication systems facilitate on-site communication for training new operators and increase workplace safety in hazardous environments»**

The communication system for the blast helmet ensures that operators consistently stay in close vocal contact on the job site, even over long distances. A sturdy polycarbonate housing protects the lightweight FM transmitter against dust, heat and moisture. Working on long-lasting rechargeable batteries, the combined microphone/headphone sets fit into all Clemco helmets and are easy to operate with or without gloves.

Properly equipped with a blast suit, helmet, and accessories, a blast operator is kept safe, comfortable and productive on the job every day.



*since*  
**1949**

**[www.clemco-international.com](http://www.clemco-international.com)**

Copyright © Clemco International (V002)

