

Bid Specifications



GENERAL REQUIREMENTS

This respiratory device shall be a full facepiece negative pressure respiratory with 40mm NATO/EN 48-1 threaded canister connection. It shall consist of the following major components: 1) the mask body, 2) the mask sealing surface, 3) the lenses, 4) the optional drinking device, 5) the canister connection and 6) the head harness.

The successful bidder agrees to provide, at his own expenses, a factory-trained instructor for such time as the respirator user shall require complete instruction in the operation and maintenance of the respirator. Any exceptions to these specifications must be detailed in a separate attachment and failure to do so will automatically disqualify the bidder. The successful bidder must be a sales distributor, authorized by the factory, to sell the equipment specified herein.

Approval: NIOSH TC-84A-3847

OPERATIONAL REQUIREMENTS

The parts that are customer serviceable are color-coded for easy identification.

The facepiece shall be constructed so that it can be folded in half longitudinally to accommodate stowage in a carrying bag or mask pouch.

The facepiece shall be tight fitting and fit persons of varying facial shapes and sizes. The facepiece shall be available in two (2) sizes: regular and small.

The lens shall be bi-ocular and constructed of a non-shatter type, scratch resistant polyamide material.

The mask must provide wearer with greater than 80% visibility.

The textile head harness shall have six-point, replaceable straps.

The facepiece shall have two (2) inlets complete with the inhalation valves, serving as the female coupling which mates with the 40mm NATO type cartridge or canister. The cartridge or canister shall be capable of installation on the left or right of the facepiece. The facepiece shall contain a speech diaphragm installed on the opposite side of the cartridge or canister.

The facepiece shall contain a one sized silicone nose cup. The nose cup shall include two (2) inhalation valves. The nose cup shall be an integral part of the mask and shall serve to minimize lens fogging and help with removal of carbon dioxide.

The facepiece shall be optionally fitted with a factory installed drinking device that permits connection of a drinking bottle accessory. The drinking straw shall be mounted inside the nose cup for optimal use and protection from the outside contaminant. The nose cup shall be removable without the use of tools.

The facepiece shall be shown by third party testing to have a permeation resistance to liquid mustard agent in excess of 24 hours.

The facepiece exhalation valve shall be removable without the aid of any mechanical tools.

The speech transmission of the facepiece in direct communication shall be no less than 70dB.

Specifications

Respirator Type - Air Purifying

Weight - Mask Only - 16.2 ounces (460 grams)

Facepiece Material - Halo-Butyl Elastomer

Nosecup Material - Silicone

Lenses - Polyamide

Storage Life - 20 years

Breathing Resistance:

Inhalation: 4.6 mm H₂O (.45 bar)

Exhalation: 12.2 mm H₂O (1.2 bar)

CO₂ Content: < .36%

WARRANTY

The M95 Gas Mask shall have a one-year warranty.

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