

§ 84.257

- (iv) Carbon tetrachloride number; and
- (v) Mesh size.

(2) The tests in paragraph (c)(1) of this section shall be performed in a quantity necessary to assure continued satisfactory conformance of the canisters and cartridges to the requirements of this subpart.

(d) Final performance quality control tests on the complete canisters and cartridges shall be accomplished using the bench tests and procedures prescribed in §§84.252, 84.253, 84.254, and 84.255.

§ 84.257 Labeling requirements.

(a) A warning shall be placed on the label of each gas mask, chemical-cartridge respirator, and powered air-purifying respirator, and on the label of each canister and cartridge, alerting the wearer to the need for a fitting test in accordance with the manufacturer's facepiece fitting instructions, providing service life information, providing specific instructions for disposal, and advising that the wearer may communicate to NIOSH any difficulties that may be experienced in the design and performance of any gas mask, chemical-cartridge respirator, or powered air-purifying respirator approved under the requirements of this subpart. The service lives of respirators meeting the test requirements of this subpart shall be specified as follows:

Chemical-cartridge respirator	1 hour.
Gas mask	4 hours.
Powered air-purifying respirator	4 hours.

(b) Where the service life of a respirator is approved for more than four hours, the service life for which the respirator has been approved will be specified.

§ 84.258 Fees.

The following fees shall be charged for the examination, inspection, and testing of complete assemblies and components of respirators described in §§84.250 and 84.251:

Complete gas mask	\$1,100
Complete chemical-cartridge respirator	1,150
Complete powered air-purifying respirator	1,500
Canister or cartridge only	750

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Subpart O—Closed-Circuit Escape Respirators

SOURCE: 77 FR 14193, Mar. 8, 2012, unless otherwise noted.

§ 84.300 Closed-circuit escape respirator; description.

The closed-circuit escape respirator (CCER), technically a subset of self-contained breathing apparatus (SCBAs) which are otherwise covered under subpart H of this part, is used in certain industrial and other work settings in emergencies to enable users to escape from atmospheres that can be immediately dangerous to life and health. Known in the mining community as self-contained self-rescuers (SCSRs), and in other industries as emergency escape breathing devices (EEBDs) or apparatus (EEBAs), CCERs are relied upon primarily by underground coal miners, sailors in federal service, and railroad workers to escape dangerous atmospheres after a fire, explosion, or chemical release. CCERs are commonly worn on workers' belts or stored in close proximity to be accessible in an emergency. They are relatively small respirators, typically the size of a water canteen, that employ either compressed oxygen with a chemical system for removing exhaled carbon dioxide from the breathing circuit, or a chemical that both provides a source of oxygen and removes exhaled carbon dioxide. Users re-breathe their exhalations after the oxygen and carbon dioxide levels have been restored to suitable levels, which distinguishes these "closed-circuit" self-contained respirators from "open-circuit" self-contained respirators, which vent each exhalation.

§ 84.301 Applicability to new and previously approved CCERs.

This subpart applies to the following CCERs:

- (a) All CCERs submitted to NIOSH for a certificate of approval after April 9, 2012; and
- (b) All CCERs manufactured and labeled NIOSH-approved and sold by manufacturers after April 9, 2015.