

Occupational Safety and Health of the U.S. Department of

	4.2.B.2	kinds 2. Supplied Air R independent of the contaminal properties, or toxicity that ar	specific contam reaction are exa Combir ators, whi of air-purities of the envious the environment occur is the use Pressur continu prevent Continu maintai Self-Col respirate a fixed protect practice	nd vapor removing respirators, which remove c individual; contaminants or a combination on inants by absorption, adsorption or by chemon. Gas masks and chemical cartridge respirators amples of gas and vapor removing respirators nation particulate/gas and vapor removing nich combine the respirator characteristics of rifying respirators.  Its (SAR) - These respirators provide breathing vironment. Such respirators are to be used whost ficient odor, taste or irritating warning excontaminant is of such high concentration of the contaminant is a such that is a specific as follows:  In a This respirator supplies air to the user on the face-piece. Leakage into the face-piece is there is a poor seal between the respirator er's face.  In a Demand - This respirator maintains a uous positive pressure within the face-piece, atting leakage into the face-piece.  In a Demand - This respirator maintains a uous positive pressure within the face-piece, atting leakage into the face-piece.  In a Demand - This respirator maintains a uous positive pressure within the face-piece, atting leakage into the face-piece.  It is a continuous flow of air through ontained Breathing Apparatus (SCBA) -This type attornation but is also the most complex. Training are the inits use and maintenance is essential. The fedevice will be used in emergencies only.	of nical ators is. I both air hen or and thus or of nd
4.3.	Identification o 4.3.A.	Respirator car individual or a contaminants type and nature	tridges ar combina , are spec re of prote	and Gas Mask Canisters nd canisters are designed to protect against ation of potentially hazardous atmospheric cifically labeled and color coded to indicate the ection they provide.	he
	4.3.B.	concentration	of contan	bel on the respirator will also specify the max minant(s) for which the cartridge or canister i , a label may read:	
4.4.	Warning Signs 4.4.A.	Particulate Air 4.4.A.1. When (due t	Purifying breathing partial countries be replaced	) g difficulty is encountered with a filter respira clogging with increased resistance), the filter ced. Disposable filter respirators must be	
	4.4.B.	4.4.B.1.If, who canist irritati	en using a ter), any o	a gas or vapor respirator (chemical cartridge of the warning properties (e.g. odor, taste, eyespiratory irritation) occur, promptly leave the	е

- ☐ Saturated or inappropriate cartridge or canister
- 4.4.B.2.If no discrepancies are observed, replace the cartridge or canister. If any of the warning properties appear again, the concentration of the contaminants may have exceeded the cartridge or canister design specification. When this occurs, an airline respirator or SCBA is required.
- 4.4.C. Service Life of Air Purifying Respirator Canisters and Cartridges
  4.4.C.1. The canisters or cartridges of air purifying respirators are
  intended to be used until filter resistance precludes further use,
  or the chemical sorbent is expended as signified by a specific
  warning property, e.g. odor, taste, etc. New canisters, cartridges
  or filters shall always be provided when a respirator is reissued,
  When in doubt about the previous use of the respirator, obtain a
  replacement canister or cartridge.
- 4.4.D. Supplied Air Respirator
  - 4.4.D.1.When using an airline respirator, leave the area immediately when the compressor failure alarm is activated or if an air pressure drop is sensed. When using an SCBA leave the area as soon as the air pressure alarm is activated.

## 5. TRAINING

- 5.1. Respirator users and their supervisors will receive training on the contents of the BRISTOL COMMUNITY COLLEGE Respiratory Protection Program and their responsibilities under it. They will be trained on the proper selection and use, as well as the limitations of the respirator. Training also covers how to ensure a proper fit before use and how to determine when a respirator is no longer providing the protection intended.
- 5.2. Bristol Community College provides training of respirator wearers in the use, maintenance, capabilities, and limitations of respirators upon initial assignment of personnel to tasks requiring the use of respirators. Retraining is given annually thereafter and only upon successful completion of the medical evaluation.

## 6. MAINTENANCE

6.1. The maintenance of respiratory protective devices involves a thorough visual inspection for cleanliness and defects (i.e., cracking rubber, deterioration of straps, defective exhalation and inhalation valves, broken or cracked lenses, etc.) Worn or deteriorated parts will be replaced prior to reissue. No respirator with a known defect is reissued for use. No attempt is made to replace components, make adjustments or make repairs on any respirator beyond those recommended by the manufacturer. Under no circumstances will parts be substituted as such substitutions will invalidate the approval of the respirator. Any repair to reducing or admission valves, regulators, or alarms will be conducted by either the manufacturer or a qualified trained technician.