§ 84.110 Gas masks; description.

(a) Gas masks including all completely assembled air purifying masks designed for use as respiratory protection during entry into atmospheres not immediately dangerous to life or health or escape only from hazardous atmospheres containing adequate oxygen to support life are described as follows:

(1) Front-mounted or back-mounted gas mask. A gas mask which consists of a full facepiece, a breathing tube, a canister at the front or back, a canister harness, and associated connections.

(2) Chin-style gas mask. A gas mask which consists of a full facepiece, a canister which is usually attached to the facepiece, and associated connections.

(3) Escape gas mask. A gas mask designed for use during escape only from hazardous atmospheres which consists of a facepiece or mouthpiece, a canister, and associated connections.

(b) Gas masks shall be further described according to the types of gases or vapors against which they are designed to provide respiratory protection, as follows:

Type of front-mounted or back-mounted gas mask:

- Acid gas
- Ammonia
- Carbon monoxide
- Organic Vapor
- Other gas(es) and vapor(s)
- Combination of two or more of the above gases and vapors
- Combination of acid gas, ammonia, carbon monoxide, and organic vapors

Type of chin-style gas mask:

- Acid gas
- Ammonia
- Carbon monoxide
- Organic vapor
- Other gas(es) and vapor
- Combination of two or more of the above gases and vapors

Type of escape gas mask:

- Acid gas
- Ammonia
- Carbon monoxide
- Organic vapor
- Other gas(s) and vapor(s)


§ 84.111 Gas masks; required components.

(a) Each gas mask described in §84.110 shall, where its design requires, contain the following component parts:

- (1) Facepiece or mouthpiece and noseclip;
- (2) Canister or cartridge;
- (3) Canister harness;
- (4) External check valve; and
- (5) Breathing tube.

(b) The components of each gas mask shall meet the minimum construction requirements set forth in subpart G of this part.

§ 84.112 Canisters and cartridges in parallel; resistance requirements.

Where two or more canisters or cartridges are used in parallel, their resistance to airflow shall be essentially equal.