

DistributionNOW SAFETY SERVICES

Breathing Air Capabilities

DistributionNOW Safety Services has various options to provide the most effective solution for your breathing air requirements, from a simple 2-bottle cart with 120 cubic feet of breathing air to a tube trailer with 165,000 cubic feet of breathing air. Our responsibility is to provide quality, certified Grade D or better breathing air in a size and configuration to meet your needs.

BREATHING AIR CERTIFICATES OF ANALYSIS

We exceed standard requirements for testing and analysis of breathing air. Breathing air is tested through our own in-house processes, as well as by the Lab On Locale™ portable gas analysis system or other 3rd party certifications. Certificates of analysis (COAs) are provided for all shipments of breathing air.

BREATHING AIR VOLUME REQUIREMENTS

There are many factors that influence the safe consumption of breathing air. These factors include the type of respirator, the adjustable flow rate, the number of supplied users, and the breathing rate/capacity of the respirator wearer. Give DistributionNOW Safety Services a call to help you select the most effective solution based upon your unique needs.



20 bottle trailer

BREATHING AIR CONSUMPTION (CFM) GUIDELINE

Air Storage System	Storage Capacity	80% Swap-out	Number of Respirator Users							
			2		10		40		80	
			Scott	3M	Scott	3M	Scott	3M	Scott	3M
Hours of air supply with 80% swap-out										
2-Bottle cart	600	480	2	0.4	0.4	0.1	0.1	0	0.1	0
12-Pak	3,600	2,880	12	2.7	2.4	0.5	0.6	0	0.3	0
20-Bottle trailer	6,000	4,800	20	4.4	4.0	0.9	1.0	0	0.5	0
CUBe	86,000	68,800	287	63.7	57.3	12.7	14.3	3	7.2	2
Tube trailer	159,000	127,200	530	117.8	106.0	23.6	26.5	6	13.3	3
Kodiak (400 cfm) 10 hour shift	240,000	240,000	1000	222.2	200.0	optimal				na
Scott Airline with escape air usage in cfm	2		Note: Will fluctuate with breathing rate, pressure, and use of purge							
3M welding mask air usage in cfm	9		Note: Respirator is approved for flow rates from 4 - 15 cfm							

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CONFIGURATIONS OF BREATHING AIR

- **2-bottle carts** – 90 or 300 cu. ft. cylinders
- **6 and 12 packs** – 1,800 or 3,600 cu. ft. of breathing air
- **12- and 20-bottle trailers** – 3,600 to 6,000 cu. ft. of breathing air, as well as space to store equipment
- **CUBe module** – ultralight, mobile trailer containing 86,000 cu. ft. of breathing air. This lightweight container (12 ft. x 10 ft. x 10 ft.) is mounted via cam-locks on a goose-neck trailer and can be lifted off the trailer if space is a concern.
- **Tube trailers** – 165,000 cu. ft. of breathing air
- **Kodiak low-pressure compressor trailer** – provides up to 400 SCFM of breathing air at 132 psi after filtration. For larger breathing air jobs, this trailer can provide considerable savings, as well as increased safety from not having to move equipment in and out of the work site.



Worker with 12 pack



Kodiak low-pressure compressor trailer



CUBe module



Tube trailer

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