



CARBON MONOXIDE DESTRUCTION

Introduction

The versatility and effectiveness of CARULITE® 300 catalyst make it the benchmark technology for removal of potentially deadly carbon monoxide from compressed breathing air sources. It also provides for removal of carbon monoxide in respirators/escape masks, as well as in the production of high purity nitrogen, oxygen, and argon production. Ambient temperature destruction of carbon monoxide and long catalyst lifetime provide a cost-effective solution to the removal of carbon monoxide.

Benefits

- Efficient:** > 95% destruction of carbon monoxide at ambient temperature, with dry air.
- Safe:** Converts carbon monoxide to carbon dioxide, preventing serious health problems associated with carbon monoxide exposure.
- Economic:** Long catalyst lifetime
Low operational cost
Low capital cost
- Versatile:** Can be used to effectively destroy carbon monoxide in various applications including compressed breathing air, escape masks, respirators, and cryogenic gas purification.

Applications

- High pressure breathing air
- Low pressure breathing air
- Escape masks
- Respirators
- Cryogenic gas purification

Operating Conditions

- 0.24 - 0.72 second residence time, depending upon the application
- 3 ft/sec (0.91 m/sec) linear velocity
- Ambient temperature operation in dry air -140°F (-60°C) dew point

Available Product Sizes

- 1/8" (3mm) diameter extrusion
- 1/16" (1.6 mm) diameter extrusion
- 8 x 14 (2.4 mm x 1.4 mm) mesh granular
- 10 x 16 (2 mm x 1.2 mm)
- 12 x 20 (1.7 mm x 0.84 mm)
- Special mesh sizes available upon request



CARULITE® 300 Catalyst

Effectively eliminates potentially deadly carbon monoxide from various sources

CARUS CHEMICAL COMPANY