



Carbon Dioxide Purifier

Item No	Description	Fittings
202350	Carbon Dioxide Purifier	1/8"
202352	Carbon Dioxide Purifier	1/4"

Warnings

WARNING notices must be read carefully and understood. Improper use of this product can cause harm or death to personnel and damage to property!

WARNING

Contains sodium hydroxide NaOH. Caustic! See Material Safety Data Sheet (MSDS).

The absorption of carbon dioxide or water by NaOH gives off heat. Use only with dry gases containing less than 1% carbon dioxide.



Maximum pressure 68 bar / 6800 kPa (1000psig). Wear eye protection and use caution when working with pressurized systems.

Do not use with moist gases or liquids.

Filter Setup and Use

The CRS Carbon Dioxide Purifier is a high-capacity trap that will irreversibly bind 100g of carbon dioxide. Its unique design uses NaOH blended with molecular sieve to scrub out CO₂ and acid gases. The reaction of carbon dioxide with NaOH produces water that is adsorbed by the molecular sieve. 40-micron frits in the fittings at each end of the purifier prevent particles from entering the gas stream. The Carbon Dioxide Purifier is not recommended for GC use. When downstream moisture is a concern we recommend using a second moisture purifier in line as a safety measure. Maximum recommended flow rate is 300cc/min. The approximate dimensions are 2" x 14" including fittings.

Installation: The Carbon Dioxide Purifier is delivered filled with helium; it should be purged before use with the gas to be purified. Remove the plug caps from the fittings at each end of the purifier, then connect the purifier to your gas line.

Due to the nature of the active absorbent, the Carbon Dioxide Purifier cannot be refilled or regenerated.

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Recycling



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