



Model 300 Hydrocarbon Purifier

Item No	Description	Fittings
202330	Model 300 Hydrocarbon Purifier	1/8"
202332	Model 300 Hydrocarbon Purifier	1/4"
202254	Regeneration Service	

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

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



Special precautions might be required when using hydrogen or hazardous gases. Consult local regulations and your company's safety procedures.

Filter Setup and Use



The CRS Model 300 Hydrocarbon Purifier is a high-capacity purifier filled with 500cc of activated charcoal, one of the most effective adsorbents for organics and hydrocarbons. It will remove C5 and heavier hydrocarbons at room temperature from inert gases such as N₂, He and Ar, and also air or H₂. For the highest efficiency maintain flow rates below 2L/min. 10-micron frits in each end of the trap prevent fines from entering the gas stream. Approximate dimensions: 5 cm x 36 cm including fittings.

Installation: The Model 300 Hydrocarbon 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. The frits inside both ends of the cylinder prevent fines from escaping into your instrument; connect the purifier to your gas line.

It is generally best practice to mount any gas purifier in a vertical orientation to ensure optimal bed packing.

Warning: If you are using hydrogen or hazardous gas, additional special procedures may be called for. Consult your company's and all other applicable safety procedures.

Regeneration: To regenerate the Model 300, shut off gas flow through the purifier and remove it from the gas line, while noting direction of flow through the purifier. Heat the trap with nitrogen or helium flow at 200 to 500cc/min at a temperature of 130°C for 4 hours, venting to a hood. The direction of inert gas flow during regeneration should be the reverse from the direction of gas flow when it is installed in-line. Allow the purifier to cool while the process gas is still flowing, then cap the fittings. Regeneration service is available at CRS.

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Recycling



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