



WARNING

- Maximum pressure 68 bar / 6800 kPa (1000 psig). 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.

PRODUCT INFORMATION

The CRS Model 300 Hydrocarbon Trap is a high-capacity filter 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 x 36 cm including fittings.

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

It is generally best practice to mount any gas filter 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 trap and remove it from the gas line, while noting direction of flow through the trap. Heat the trap with nitrogen or helium flow at 200 to 500 cc/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 trap to cool while the process gas is still flowing, then cap the fittings. Regeneration service is available at CRS.

REORDER INFORMATION

Description	Item No.
Model 300 Hydrocarbon Trap, 1/8" fittings	202330
Model 300 Hydrocarbon Trap, 1/4" fittings	202332
Regeneration Service	202254

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