

Model 300 HC filters

Compression fittings

Introduction

The Model 300 filter is a high capacity HC filter that removes hydrocarbons (C5 and heavier) to low ppb levels. It can be used for your FID air and H2 lines to minimize noise and extraneous peaks in the signal. It is also recommended for use with purge and trap apparatuses, and with GC carrier gases for trace analysis.



Important



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

- Wear eye protection and use caution when working with pressurized systems.
- Maximum pressure is 68.9 bar / 1000 psi.
- When using a high-pressure gas source over-pressure protection must be provided.
- Special precautions might be required when using hydrogen or hazardous gases. Consult local regulations and your company's safety procedures.

Instructions

Installation for compression fittings

1. Check the package contents for damage. Contact your supplier if any items are damaged or missing.
2. The filters are delivered in the active state, filled with helium. It is ready for use, but it is recommended that the trap be purged with the gas to be purified.
3. For the best connections, start with freshly-cut tubing in the gas line. 1/8" nuts should be turned 3/4 turn past finger tight. 1/4" nuts should be turned 1-1/4 turns past finger tight.
4. Remove the end plugs from both ends of the trap, then attach the inlet end of the trap to the gas line.
5. While the end plugs are removed from the trap during installation, a small amount of air will diffuse into the adsorbent. As long as the trap is attached to the gas line within a few minutes, the loss of adsorbing capacity will be negligible.
6. Attach the outlet end of the trap.
7. Purge the entire system until a total of 1 to 2 liters of gas has been flushed through. Maintain a low purge rate of 10 to 30 cc/min.
8. Leak check all connections.

Specifications

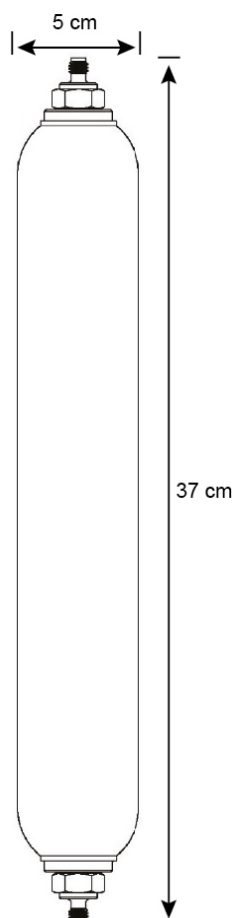


Figure 1. 500 cc

Product Numbers

500 cc	
1/8" Brass	1/4" Brass
202330-B	202332-B
1/8" Stainless steel	1/4" Stainless steel
202330-SS	202332-SS

References



Recycling

Please contact Trajan for information regarding recycling purifier products.

Information and support

Visit www.trajanscimed.com or contact techsupport@trajanscimed.com

Specifications are subject to change without notice.

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