by TRAJAN

INSTRUCTIONS FOR USE

ZPure™ O_2/H_2O filters

Compression fittings

Introduction

Pure gas is critical requirement in gas chromatography, spectroscopy, optics, lithography, and numerous other applications in manufacturing and analytical laboratories. The ZPure™ O_2/H_2O filters remove O_2 and H_2O from inert gases, He, Ar, N_2, H_2, making it ideal for use with GC and GC/MS carrier gas lines.

It is also recommended for any application requiring ultra-pure gas free from oxygen and moisture.

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.
- Do not open filter, even after use.
- The rapid oxidation of the active adsorbent in this filter can cause the filter bed to become extremely hot, resulting in danger of fire or burn injuries. Limited exposure of the filter to air during installation does not result in rapid reaction or dangerous heat generation.
- Do not pass air or oxidizing gases in concentration above 0.1% through this filter!
- 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 ZPure 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. To connect in-line, first purge the gas line with supply gas. While maintaining a low purge rate of 10 to 30 cc/min, 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.
8. Leak check all connections.

Specifications

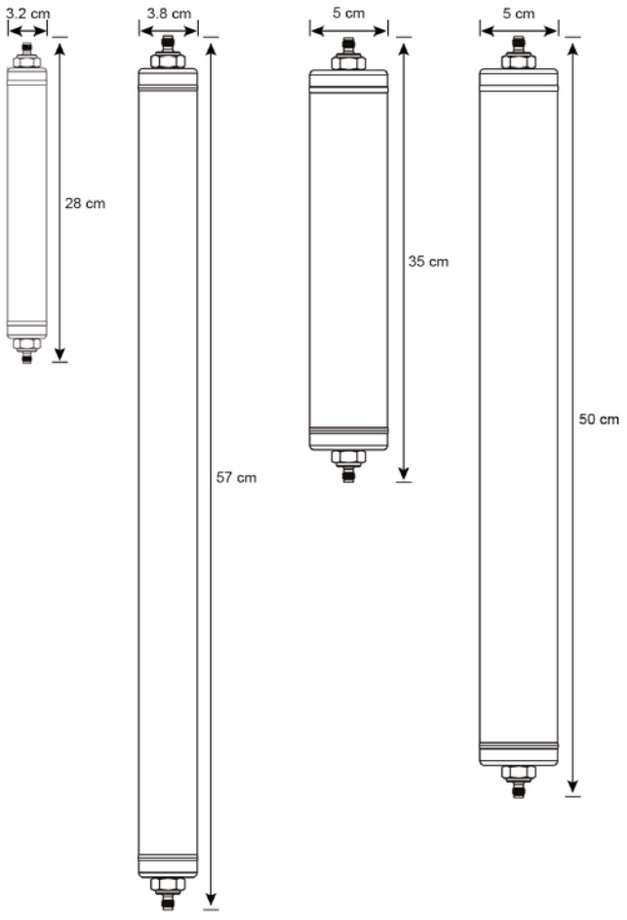

Figure 1. From left to right: 130 cc, 475 cc, 500 cc, 750 cc

Product Numbers

130 cc	
1/8” Brass	1/4” Brass
202295-B	202296-B
1/8” Stainless steel	1/4” Stainless steel
202295-SS	202296-SS
475 cc	
1/8” Brass	1/4” Brass
202295L-B	202296L-B
1/8” Stainless steel	1/4” Stainless steel
202295L-SS	202296L-SS
500 cc	
1/8” Brass	1/4” Brass
202295D-B	202296D-B
1/8” Stainless steel	1/4” Stainless steel
202295D-SS	202296D-SS
750 cc	
1/8” Brass	1/4” Brass
202295XL-B	202296XL-B
1/8” Stainless steel	1/4” Stainless steel
202295XL-SS	202296XL-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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