

Compression fittings

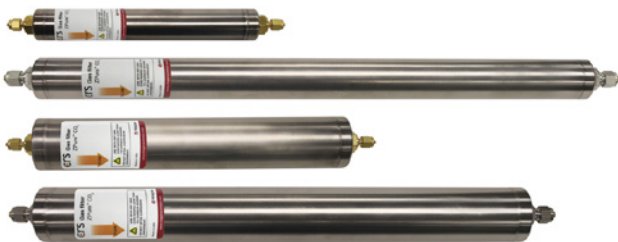
NaOH gives off heat. Use only with dry gases containing less than 1% carbon dioxide.

- Do not use with moist gases or liquids.
- Special precautions might be required when using hydrogen or hazardous gases. Consult local regulations and your company's safety procedures.

Introduction

Pure gas is critical requirement in gas chromatography, spectroscopy, optics, lithography, and numerous other applications in manufacturing and analytical laboratories. The ZPure™ CO₂ filters remove CO₂ from inert gases, He, Ar, N₂, H₂ and clean dry air (CDA) to low ppb levels.

The filter functions by consuming carbon dioxide in a reaction with highly-dispersed NaOH on a silicate support. The reaction produces water which remains adsorbed in the purifier. In applications where water removal is high critical, we recommend using an additional moisture trap after the CO₂ filter.


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.
- Contains sodium hydroxide NaOH. Caustic! The adsorption of carbon dioxide or water by

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

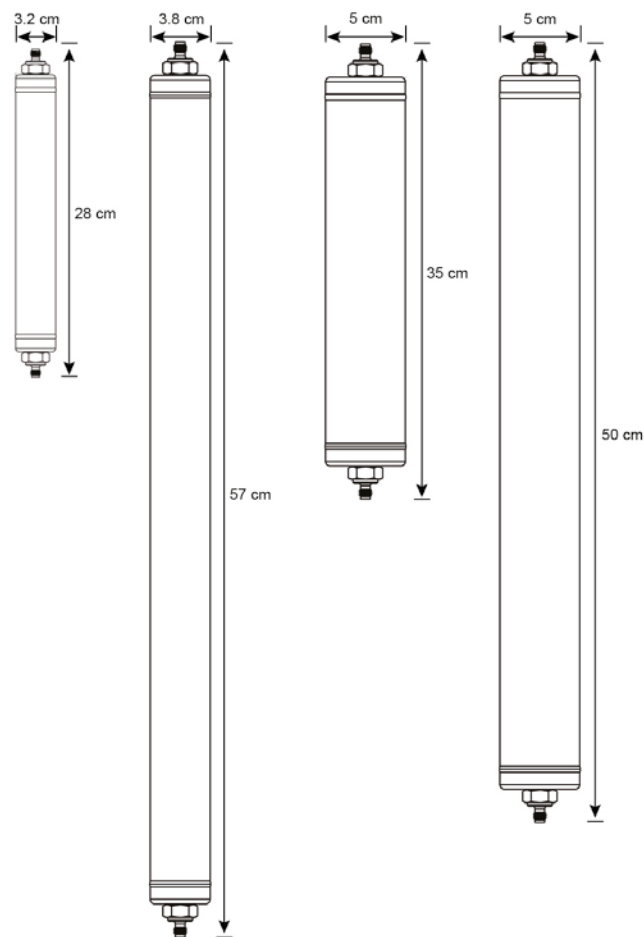


Figure 1. From left to right: 130 cc, 475 cc, 500 cc, 750 cc

750 cc	
1/8" Brass	1/4" Brass
202212XL-B	202213XL-B
1/8" Stainless steel	1/4" Stainless steel
202212XL-SS	202213XL-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.

US
AGENT

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Product Numbers

130 cc	
1/8" Brass	1/4" Brass
202212-B	202213-B
1/8" Stainless steel	1/4" Stainless steel
202212-SS	202213-SS
475 cc	
1/8" Brass	1/4" Brass
202212L-B	202213L-B
1/8" Stainless steel	1/4" Stainless steel
202212L-SS	202213L-SS
500 cc	
1/8" Brass	1/4" Brass
202212D-B	202213D-B
1/8" Stainless steel	1/4" Stainless steel
202212D-SS	202213D-SS