



## ZPure™ CO<sub>2</sub> Filters with Compression Fittings





## Warnings

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 rating is noted in table below.

When using a high-pressure gas source overpressure protection must be provided.

Do not open filter, even after use.

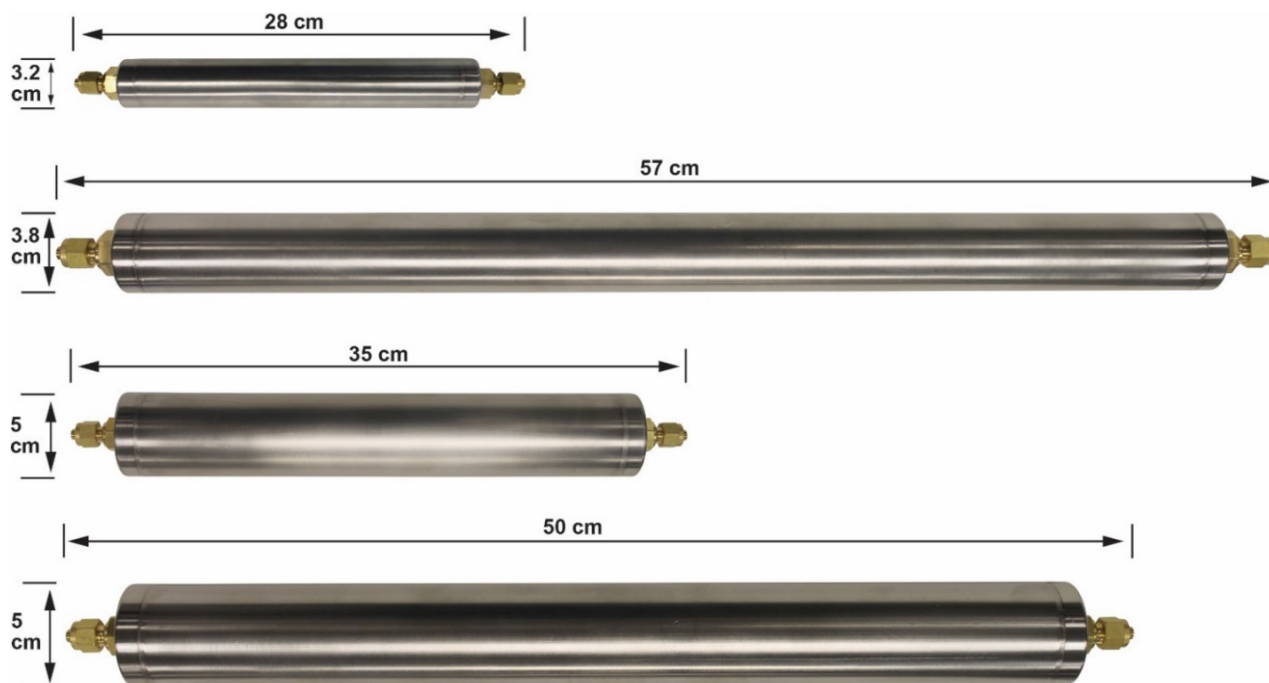
Contains sodium hydroxide NaOH. Caustic! The absorption of carbon dioxide or water by NaOH gives off heat. Use only with dry gases containing less than 1% carbon dioxide.

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.

### Product Numbers

Size	1/8" Brass	1/4" Brass	1/8" SS	1/4" SS	Maximum Pressure
130 cc	202212-B	202213-B	202212-SS	202213-SS	68.9 bar / 1000 psi
475 cc	202212L-B	202213L-B	202212L-SS	202213L-SS	68.9 bar / 1000 psi
500 cc	202212D-B	202213D-B	202212D-SS	202213D-SS	13.8 bar / 200 psi
750 cc	202212XL-B	202213XL-B	202212XL-SS	202213XL-SS	13.8 bar / 200 psi



*From top to bottom: 130 cc, 475 cc, 500 cc, 750 cc*

## Filter Setup and Use

### Installation for Compression Fittings

1. Check the package contents for damage. Contact your supplier if any items are damaged or missing.
2. The ZPure Filter is 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 the 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.



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### **Recycling**

Please contact CRS for information regarding recycling and reconditioning gas purifier products.