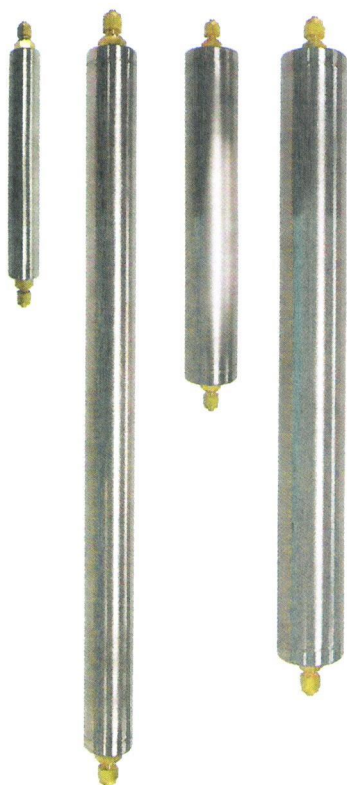




Chromatography
Research
Supplies

ZPure™ Gas Filters



ZPure Gas Filters are the core of the broad program of inline purifiers manufactured by CRS¹. The ZPure products represent the highest quality and most reasonably priced gas filters both in stainless steel bodies and in shielded glass bodies for applications requiring visual indicators.

ZPure Standard Filters

- Stainless steel bodies
- Integrated stainless steel frits for particle removal
- High capacity adsorbents with well-characterized performance data
- All-metal sealing system
- Individually helium leak-checked in vacuum

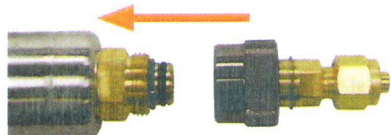
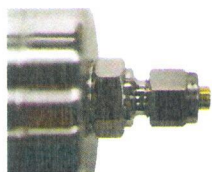
ZPure Glass Filters

- Double seal glass body with polycarbonate shell isolates the gas stream in the event of glass failure
- Highly sensitive visual indicators for oxygen and water
- Integrated stainless steel frits for particle removal
- High capacity adsorbents with well-characterized performance data
- Fluoroelastomer seals for inertness
- Individually helium leak-checked in vacuum

ZPures are available in 4 sizes² designed to match widely used industry standards.

Left to Right Sizes:
130 cc, 475 cc, 500 cc, and 750 cc





Top to Bottom: Compression Fittings, Quick Connect Fittings and Push to Connect Fittings.

Fittings

The ZPure filters are available with standard 1/8" and 1/4" compression fittings in both stainless steel and brass. The smaller ZPure products are also available with quick connect fittings and in two cases, with push to connect fittings.

Gas Supply

The ZPure products include purifiers for removing contamination from the gases most commonly used in laboratories, for chemical analysis, and for scrubbing clean dry air used in optical cavities and other applications. Inert gases, nitrogen and hydrogen can generally use the same adsorbent beds for removing common contaminants, while oxygen and air are purified with beds that do not include oxygen-adsorbing materials.

ZPure PolyGas I & II

The most common requirement is to remove a wide spectrum of impurities from the supply gas, and the ZPure PolyGas filters are designed with this in mind.

The PolyGas I filters work with inert gases, nitrogen and hydrogen. A common application for PolyGas I filter is to scrub the carrier gas supply for gas chromatographs.

The PolyGas II filters work with Oxygen and clean dry air (CDA). A common application for the PolyGas II filter is to scrub make-up gas supplies, both hydrogen³ and dry air, used for GC flame ionization detectors.

How to Choose a ZPure

Selection of the proper filter depends on the gas to be purified, the contaminants to be removed, the size of the filter and the selection of the fittings. The part number configuration is easy to accomplish on the CRS website at www.ChromRes.com, which also includes detailed specifications and documents related to filter installation and use.

¹ Other inline filters include the plastic-bodied general purpose filters and the high-pressure filters.

² Not all adsorbent combinations are available in all sizes.

³ It is not necessary to remove the oxygen from the hydrogen supply to the FID detector, so the PolyGas II filter is the correct choice in this case. If hydrogen is used for the carrier gas supply to a GC, then the PolyGas I would be used.

