



Gas Purifiers & Filters

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Gas Purifiers & Filters

AFS Purifiers I, II & III

- High purity, clean flow path: Gas contacts only metal, glass and fluoroelastomer seals
- High capacity and efficiency in a single cartridge
- Easy cartridge replacement with twist on/off assembly knob
- Double seal construction for safety (especially when using hydrogen gas)
- Check valves protect gas lines during cartridge replacement
- Includes mounting hardware for wall or bench
- Stainless steel fittings
- Reconditioning program allows for recycling of cartridge

Innovative Design

Two part system includes a small stainless steel manifold and a high capacity purifier cartridge.

The manifold mounts to a laboratory wall or bench with brackets included in the installation kit, and connects to the gas lines with stainless steel compression fittings.

The cartridge easily attaches and detaches from the manifold with an assembly knob. To change the cartridge, simply twist the knob to disconnect the cartridge from the manifold and slide on a new cartridge. Twist the knob back for a tight, secure fit. The manifold contains check valves that close when the cartridge is removed.

All of the AFS Purifiers have very high capacity and can supply multiple GC's for an extended period of time, depending on the laboratory environment.





AFS Purifier I

The Advanced Filter System I is a high-capacity gas purifying system that removes O₂, H₂O, and hydrocarbons (C5 and heavier) from inert gases and hydrogen. It contains a high-sensitivity oxygen and moisture indicator. As shown below, when the cartridge is depleted the oxygen indicator changes from **GREEN** to **GREY** and the moisture indicator changes from **BLUE** to **BROWN**.

cator changes from **GREEN** to **GREY** and the moisture indicator changes from **BLUE** to **BROWN**.

Description	Item No.
AFS Purifier I, 1/8" Fittings, Complete Kit	202900
AFS Purifier I, 1/4" Fittings, Complete Kit	202902
Replacement Cartridge, AFS Purifier I	202910
Reconditioned Cartridge*, AFS Purifier I	202920

**Requires exchange of depleted cartridge.*



AFS Purifier II

The Advanced Filter System II is a high-capacity gas purifying system that removes H₂O and hydrocarbons (C5 and heavier) from inert gases and hydrogen. It contains a high-sensitivity moisture indicator. As shown below, when the cartridge is depleted the moisture indicator changes from **BLUE** to **BROWN**.

BLUE to **BROWN**.

Description	Item No.
AFS Purifier II, 1/8" Fittings, Complete Kit	202903
AFS Purifier II, 1/4" Fittings, Complete Kit	202904
Replacement Cartridge, AFS Purifier II	202950
Reconditioned Cartridge*, AFS Purifier II	202930

**Requires exchange of depleted cartridge.*



AFS Purifier III

The Advanced Filter System III is a high-capacity gas purifying system that removes H₂O from inert gases and hydrogen. It contains a high-sensitivity moisture indicator. As shown below, when the cartridge is depleted the moisture indicator changes from **BLUE** to **BROWN**.

BLUE to **BROWN**.

Description	Item No.
AFS Purifier III, 1/8" Fittings, Complete Kit	202905
AFS Purifier III, 1/4" Fittings, Complete Kit	202906
Replacement Cartridge, AFS Purifier III	202955
Reconditioned Cartridge*, AFS Purifier III	202935

**Requires exchange of depleted cartridge.*



Manifolds

Description	Item No.
1/8" AFS Purifier Manifold	202900MN
1/4" AFS Purifier Manifold	202902MN

Visit www.ChromRes.com for product specifications and additional information.

Filter Indicators shown in both the full capacity and depleted state.



O₂ Adsorbent:
Top: Full Capacity; Bottom: Depleted.



H₂O Adsorbent:
Top: Full Capacity; Bottom: Depleted.



What is the reconditioning Program?

When your AFS cartridge is depleted, you can return it to CRS for credit towards a reconditioned cartridge. We can restore a depleted cartridge to like-new specifications by refilling it with new adsorbents. You can then order these reconditioned cartridges for a reduced price.

You benefit by paying less for cartridges, while helping the environment by reducing waste and recycling the cartridge body.

How does it work?

You can order a reconditioned cartridge from CRS at any time. Once you've received the next cartridge, simply ship the original depleted cartridge back to CRS in the box provided. No waiting or instrument downtime!

Shipping of Hazardous Materials?

In some cases, high quality gas filters with active O₂ or CO₂ adsorbents must be shipped as hazardous goods, even after use. If you are not certified to ship dangerous goods please contact CRS Technical Support.

Which products are in the program?

CRS currently offers the reconditioning program for all AFS cartridges. This includes the AFS I, II, and III. The ZPure M Filters are also refillable by CRS and are listed on page 14. If you have any questions regarding the reconditioning program please contact CRS Technical Support.

CRS Technical Support
+ 1.502.491.6300 International
1.800.327.3800 U.S. Only
Sales@ChromRes.com

ZPure™ Inline Gas Filters - Stainless Steel

- High-quality activated adsorbents
- Long purifier life and efficient contaminant removal
- Various size and fitting configurations to fit most existing installations

*Filter lifetime is dependent on the quality of incoming gas and the flow rate.

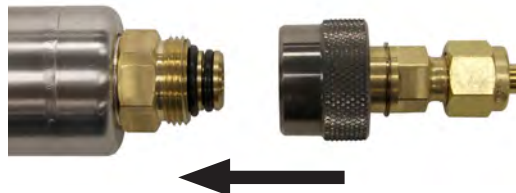
*For more detailed specifications on individual applications please contact CRS at Sales@ChromRes.com.



From Left to Right:
130 cc, 475 cc, 500 cc, 750 cc.



Compression Fittings seal well and can be broken and retightened many times if used properly. They are compatible with industry standard ferrules and tubing.



Quick Connect Fittings are used for fast connections and replacements. They have superior seals that use o-rings and check valves to protect gas lines.



Push-to-Connect Fittings are used to connect plastic tubing with a quick and easy connection. They have lower pressure ratings, and permeation through plastic tubing can have some effect on the ultimate purity level of the gas.



ZPure™ O₂ Filters

The ZPure O₂ Filter removes O₂ from He, Ar, N₂, H₂, and methane to low ppb levels with very high capacity. The ZPure O₂ Filter is available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202216-B
1/8" Stainless Steel Fittings	202216-SS
1/4" Brass Fittings	202217-B
1/4" Stainless Steel Fittings	202217-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202216-B-QC
1/8" Stainless Steel Fittings	202216-SS-QC
1/4" Brass Fittings	202217-B-QC
1/4" Stainless Steel Fittings	202217-SS-QC

*Replacement Filters listed on page 23.

Gas Purifiers & Filters



ZPure™ HC Filters

The ZPure HC Filter removes hydrocarbons (C5 and heavier) from inert gases, He, Ar, N₂, H₂, and clean dry air (CDA) to low ppb levels. It is recommended for most applications that require hydrocarbon-free gas, and is available in 4 sizes of stainless steel cylinders ranging from 130 cc to 750 cc. The ZPure HC Filter is available with standard compression fittings and quick connect fittings offered in 1/4" and 1/8" brass and stainless steel, or metal push-to-connect fittings in 1/4" and 6 mm for plastic tubing and non-carrier gas lines.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202232-B
1/8" Stainless Steel Fittings	202232-SS
1/4" Brass Fittings	202233-B
1/4" Stainless Steel Fittings	202233-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202232-B-QC
1/8" Stainless Steel Fittings	202232-SS-QC
1/4" Brass Fittings	202233-B-QC
1/4" Stainless Steel Fittings	202233-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202232-4-PC
6 mm Nickel Plated Brass Fittings	202232-6-PC

LS - 475 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202232L-B
1/8" Stainless Steel Fittings	202232L-SS

1/4" Brass Fittings	202233L-B
1/4" Stainless Steel Fittings	202233L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202232L-B-QC
1/8" Stainless Steel Fittings	202232L-SS-QC
1/4" Brass Fittings	202233L-B-QC
1/4" Stainless Steel Fittings	202233L-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202232L-4-PC
6 mm Nickel Plated Brass Fittings	202232L-6-PC

DS - 500 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202232D-B
1/8" Stainless Steel Fittings	202232D-SS
1/4" Brass Fittings	202233D-B
1/4" Stainless Steel Fittings	202233D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202232D-B-QC
1/8" Stainless Steel Fittings	202232D-SS-QC
1/4" Brass Fittings	202233D-B-QC
1/4" Stainless Steel Fittings	202233D-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202232D-4-PC
6 mm Nickel Plated Brass Fittings	202232D-6-PC

XLS - 750 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202232XL-B
1/8" Stainless Steel Fittings	202232XL-SS
1/4" Brass Fittings	202233XL-B
1/4" Stainless Steel Fittings	202233XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202232XL-B-QC
1/8" Stainless Steel Fittings	202232XL-SS-QC
1/4" Brass Fittings	202233XL-B-QC
1/4" Stainless Steel Fittings	202233XL-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202232XL-4-PC
6 mm Nickel Plated Brass Fittings	202232XL-6-PC

*Replacement Filters listed on page 23.



ZPure™ H₂O Filters

The ZPure H₂O Filter removes H₂O from inert gases, He, Ar, N₂, H₂, methane and clean dry air (CDA) to low ppb levels, with very high capacity. It is recommended for any application that requires ultra-dry gas, and is available in 4 sizes of stainless steel cylinders ranging from 130 cc to 750 cc. The ZPure H₂O Filter is available with standard compression fittings or quick connect fittings offered in 1/4" and 1/8" brass and stainless steel, or metal push-to-connect fittings in 1/4" and 6 mm for plastic tubing and non-carrier gas lines.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202230-B
1/8" Stainless Steel Fittings	202230-SS
1/4" Brass Fittings	202231-B
1/4" Stainless Steel Fittings	202231-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202230-B-QC
1/8" Stainless Steel Fittings	202230-SS-QC
1/4" Brass Fittings	202231-B-QC
1/4" Stainless Steel Fittings	202231-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202230-4-PC
6 mm Nickel Plated Brass Fittings	202230-6-PC

LS - 475 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202230L-B
1/8" Stainless Steel Fittings	202230L-SS

1/4" Brass Fittings	202231L-B
1/4" Stainless Steel Fittings	202231L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202230L-B-QC
1/8" Stainless Steel Fittings	202230L-SS-QC
1/4" Brass Fittings	202231L-B-QC
1/4" Stainless Steel Fittings	202231L-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202230L-4-PC
6 mm Nickel Plated Brass Fittings	202230L-6-PC

DS - 500 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202230D-B
1/8" Stainless Steel Fittings	202230D-SS
1/4" Brass Fittings	202231D-B
1/4" Stainless Steel Fittings	202231D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202230D-B-QC
1/8" Stainless Steel Fittings	202230D-SS-QC
1/4" Brass Fittings	202231D-B-QC
1/4" Stainless Steel Fittings	202231D-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202230D-4-PC
6 mm Nickel Plated Brass Fittings	202230D-6-PC

XLS - 750 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202230XL-B
1/8" Stainless Steel Fittings	202230XL-SS
1/4" Brass Fittings	202231XL-B
1/4" Stainless Steel Fittings	202231XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202230XL-B-QC
1/8" Stainless Steel Fittings	202230XL-SS-QC
1/4" Brass Fittings	202231XL-B-QC
1/4" Stainless Steel Fittings	202231XL-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202230XL-4-PC
6 mm Nickel Plated Brass Fittings	202230XL-6-PC

*Replacement Filters listed on page 23.

Gas Purifiers & Filters



ZPure™ CO₂ Filters

The ZPure CO₂ Filter removes 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 highly critical, we recommend using an additional moisture trap after the CO₂ Filter. It is available in 4 sizes of stainless steel cylinders ranging from 130 cc to 750 cc. The filter is available with standard compression fittings and quick connect fittings offered in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202212-B
1/8" Stainless Steel Fittings	202212-SS
1/4" Brass Fittings	202213-B
1/4" Stainless Steel Fittings	202213-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202212-B-QC
1/8" Stainless Steel Fittings	202212-SS-QC
1/4" Brass Fittings	202213-B-QC
1/4" Stainless Steel Fittings	202213-SS-QC

LS - 475 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202212L-B
1/8" Stainless Steel Fittings	202212L-SS
1/4" Brass Fittings	202213L-B
1/4" Stainless Steel Fittings	202213L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202212L-B-QC
1/8" Stainless Steel Fittings	202212L-SS-QC
1/4" Brass Fittings	202213L-B-QC
1/4" Stainless Steel Fittings	202213L-SS-QC

DS - 500 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202212D-B
1/8" Stainless Steel Fittings	202212D-SS
1/4" Brass Fittings	202213D-B
1/4" Stainless Steel Fittings	202213D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202212D-B-QC
1/8" Stainless Steel Fittings	202212D-SS-QC
1/4" Brass Fittings	202213D-B-QC
1/4" Stainless Steel Fittings	202213D-SS-QC

XLS - 750 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202212XL-B
1/8" Stainless Steel Fittings	202212XL-SS
1/4" Brass Fittings	202213XL-B
1/4" Stainless Steel Fittings	202213XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202212XL-B-QC
1/8" Stainless Steel Fittings	202212XL-SS-QC
1/4" Brass Fittings	202213XL-B-QC
1/4" Stainless Steel Fittings	202213XL-SS-QC

*Replacement Filters listed on page 23.



ZPure™ O₂ / H₂O Filters

The ZPure O₂ / H₂O Filter removes O₂ and H₂O from inert gases, He, Ar, N₂ and H₂, 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. It is available in 4 sizes of stainless steel cylinders ranging from 130 cc to 750 cc. The filter is available with standard compression fittings and quick connect fittings offered in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202295-B
1/8" Stainless Steel Fittings	202295-SS
1/4" Brass Fittings	202296-B
1/4" Stainless Steel Fittings	202296-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202295-B-QC
1/8" Stainless Steel Fittings	202295-SS-QC
1/4" Brass Fittings	202296-B-QC
1/4" Stainless Steel Fittings	202296-SS-QC

LS - 475 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202295L-B
1/8" Stainless Steel Fittings	202295L-SS
1/4" Brass Fittings	202296L-B
1/4" Stainless Steel Fittings	202296L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202295L-B-QC
1/8" Stainless Steel Fittings	202295L-SS-QC
1/4" Brass Fittings	202296L-B-QC
1/4" Stainless Steel Fittings	202296L-SS-QC

DS - 500 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202295D-B
1/8" Stainless Steel Fittings	202295D-SS
1/4" Brass Fittings	202296D-B
1/4" Stainless Steel Fittings	202296D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202295D-B-QC
1/8" Stainless Steel Fittings	202295D-SS-QC
1/4" Brass Fittings	202296D-B-QC
1/4" Stainless Steel Fittings	202296D-SS-QC

XLS - 750 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202295XL-B
1/8" Stainless Steel Fittings	202295XL-SS
1/4" Brass Fittings	202296XL-B
1/4" Stainless Steel Fittings	202296XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202295XL-B-QC
1/8" Stainless Steel Fittings	202295XL-SS-QC
1/4" Brass Fittings	202296XL-B-QC
1/4" Stainless Steel Fittings	202296XL-SS-QC

*Replacement Filters listed on page 23.

Gas Purifiers & Filters



ZPure™ PolyGas I Purifiers

The ZPure PolyGas I Purifier removes a wide range of contaminants including O₂, H₂O, CO₂, CO, halogenated compounds, siloxanes, hydrocarbons (C5 and heavier), sulfur-containing molecules, ammonia and other gases. It can be used to purify inert gases, He, Ar, N₂, and H₂, making it ideal for use with GC and GC/MS carrier gas lines. It is recommended for any application requiring ultra-pure gas free from oxygen, water and hydrocarbons. It is available in 4 sizes of stainless steel cylinders ranging from 130 cc to 750 cc. The ZPure PolyGas I Purifier is available with standard compression fittings and quick connect fittings offered in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202285-B
1/8" Stainless Steel Fittings	202285-SS
1/4" Brass Fittings	202286-B
1/4" Stainless Steel Fittings	202286-SS
Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202285-B-QC
1/8" Stainless Steel Fittings	202285-SS-QC
1/4" Brass Fittings	202286-B-QC
1/4" Stainless Steel Fittings	202286-SS-QC

LS - 475 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202285L-B
1/8" Stainless Steel Fittings	202285L-SS

1/4" Brass Fittings	202286L-B
1/4" Stainless Steel Fittings	202286L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202285L-B-QC
1/8" Stainless Steel Fittings	202285L-SS-QC
1/4" Brass Fittings	202286L-B-QC
1/4" Stainless Steel Fittings	202286L-SS-QC

DS - 500 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202285D-B
1/8" Stainless Steel Fittings	202285D-SS
1/4" Brass Fittings	202286D-B
1/4" Stainless Steel Fittings	202286D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202285D-B-QC
1/8" Stainless Steel Fittings	202285D-SS-QC
1/4" Brass Fittings	202286D-B-QC
1/4" Stainless Steel Fittings	202286D-SS-QC

XLS - 750 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202285XL-B
1/8" Stainless Steel Fittings	202285XL-SS
1/4" Brass Fittings	202286XL-B
1/4" Stainless Steel Fittings	202286XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202285XL-B-QC
1/8" Stainless Steel Fittings	202285XL-SS-QC
1/4" Brass Fittings	202286XL-B-QC
1/4" Stainless Steel Fittings	202286XL-SS-QC

*Replacement Filters listed on page 23.



ZPure™ PolyGas II Purifiers

The ZPure PolyGas II Purifier removes H₂O, CO₂, halogenated compounds, siloxanes, hydrocarbons (C5 and heavier), sulfur-containing molecules, ammonia and other gases. It can be used to purify inert gases, He, Ar, N₂, and H₂, and clean dry air (CDA), to low-ppb levels. A common application is for conditioning the hydrogen and zero air lines used with GC flame ionization detectors. It is available in 4 sizes of stainless steel cylinders ranging from 130 cc to 750 cc. The ZPure PolyGas II Purifier is available with standard compression fittings and quick connect fittings offered in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

130 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202287-B
1/8" Stainless Steel Fittings	202287-SS
1/4" Brass Fittings	202288-B
1/4" Stainless Steel Fittings	202288-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202287-B-QC
1/8" Stainless Steel Fittings	202287-SS-QC
1/4" Brass Fittings	202288-B-QC
1/4" Stainless Steel Fittings	202288-SS-QC

LS - 475 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202287L-B
1/8" Stainless Steel Fittings	202287L-SS
1/4" Brass Fittings	202288L-B
1/4" Stainless Steel Fittings	202288L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202287L-B-QC
1/8" Stainless Steel Fittings	202287L-SS-QC
1/4" Brass Fittings	202288L-B-QC
1/4" Stainless Steel Fittings	202288L-SS-QC

DS - 500 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202287D-B
1/8" Stainless Steel Fittings	202287D-SS
1/4" Brass Fittings	202288D-B
1/4" Stainless Steel Fittings	202288D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202287D-B-QC
1/8" Stainless Steel Fittings	202287D-SS-QC
1/4" Brass Fittings	202288D-B-QC
1/4" Stainless Steel Fittings	202288D-SS-QC

XLS - 750 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202287XL-B
1/8" Stainless Steel Fittings	202287XL-SS
1/4" Brass Fittings	202288XL-B
1/4" Stainless Steel Fittings	202288XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202287XL-B-QC
1/8" Stainless Steel Fittings	202287XL-SS-QC
1/4" Brass Fittings	202288XL-B-QC
1/4" Stainless Steel Fittings	202288XL-SS-QC

*Replacement Filters listed on page 23.



DJ's Tech Tips

Vertical mounting of filters gives you more efficient contaminant removal. Media can settle and allow gas to pass over it when they are placed horizontally.

Gas Purifiers & Filters



Read more about our reconditioning and refilling programs on **page 6**.

ZPure™ M Filters

The ZPure M Filter is our largest capacity filter. It is a 3.8 L (3800 cc) canister that has the benefit of higher flow rates, and it is CRS-refillable* at a reduced price. The canister is made from 316 stainless steel and has stainless steel fitting options in 1/2" VCR, 1/4" compression, and 1/4" quick connect fittings.

ZPure M Filters are available in contaminant-specific filters for hydrocarbons, moisture, or carbon dioxide, as well as multi-contaminant versions including an oxygen/moisture filter, and the PolyGas II Purifier.

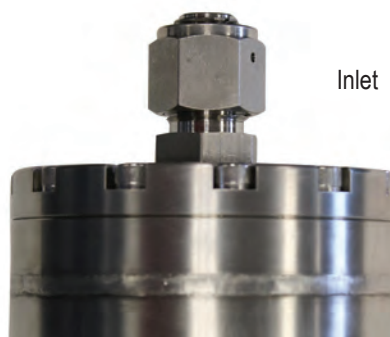
Visit www.ChromRes.com for product specifications and additional information.

*CRS ZPure M CO₂ is excluded from the reconditioning program. Please contact CRS for instructions on returning all ZPure M canisters for reconditioning by CRS.

3800 cc Filters

1/2" VCR Fittings	Item No.
ZPure M HC Filter	202232M-V
ZPure M H ₂ O Filter	202230M-V
ZPure M CO ₂ Filter	202212M-V
ZPure M PolyGas II Purifier	202287M-V
ZPure O ₂ / H ₂ O Purifier	202295M-V

1/4" SS Compression Fittings	Item No.
ZPure M HC Filter	202233M-SS
ZPure M H ₂ O Filter	202231M-SS
ZPure M CO ₂ Filter	202213M-SS
ZPure M PolyGas II Purifier	202288M-SS
ZPure O ₂ / H ₂ O Purifier	202296M-SS



Inlet



Outlet

1/2" VCR Fittings

1/4" SS Quick Connect Fittings	Item No.
ZPure M HC Filter	202233M-SS-QC
ZPure M H ₂ O Filter	202231M-SS-QC
ZPure M CO ₂ Filter	202213M-SS-QC
ZPure M PolyGas II Purifier	202288M-SS-QC
ZPure O ₂ / H ₂ O Purifier	202296M-SS-QC

ZPure™ Inline Gas Filters - Glass Indicating

- A range of convenient point-of-use purifiers for many applications, with high-sensitivity visual indicators for oxygen and water breakthrough
- Outer polycarbonate tube isolates the gas stream if the inner glass tube should break
- High capacity adsorbents with consistent performance
- Integrated stainless steel frits for particle removal
- Fluoroelastomer seals for inertness
- Individually helium leak-tested
- Available with compression and quick connect fittings

*Filter lifetime is dependent on the quality of incoming gas and the flow rate.

*For more detailed specifications on individual applications please contact CRS at Sales@ChromRes.com.

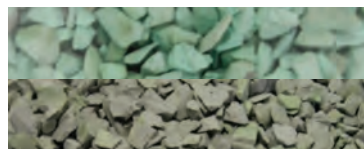


Compression Fittings seal well and can be broken and retightened many times if used properly. They are compatible with industry standard ferrules and tubing.



Quick Connect Fittings are used for fast connections and replacements. They have superior seals that use O-rings and check valves to protect gas lines.

Filter Indicators shown in full capacity and depleted states.



Oxygen Adsorbent:
Top: Full Capacity; Bottom: Depleted.



Moisture Adsorbent:
Top: Full Capacity; Bottom: Depleted.



CoFree™ Adsorbent:
Top: Full Capacity; Bottom: Depleted.

Gas Purifiers & Filters



ZPure™ Glass PolyGas I Purifiers

The ZPure PolyGas I Purifier removes O₂, H₂O, CO₂, CO, halogenated compounds, siloxanes, hydrocarbons (C5 and heavier), sulfur-containing molecules, and ammonia from inert gases, He, Ar, N₂ and H₂. It can be used to provide end-point detection for use with other ZPure Filters. The indicators signal oxygen breakthrough when the adsorbent changes from **GREEN** to **GREY** and the moisture indicator changes from **BLUE** to **BROWN**. The ZPure Glass Filters and Purifiers are available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

38 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202314-B
1/8" Stainless Steel Fittings	202314-SS
1/4" Brass Fittings	202315-B
1/4" Stainless Steel Fittings	202315-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202314-B-QC
1/8" Stainless Steel Fittings	202314-SS-QC
1/4" Brass Fittings	202315-B-QC
1/4" Stainless Steel Fittings	202315-SS-QC

*Replacement Filters listed on page 24.



ZPure™ Glass PolyGas II Purifiers

The ZPure PolyGas II Purifier removes H₂O, CO₂, halogenated compounds, siloxanes, hydrocarbons (C5 and heavier), sulfur-containing molecules, and ammonia from inert gases, He, Ar, N₂, H₂, and clean dry air (CDA). It can be used to provide end-point detection for use with other ZPure Filters. The moisture indicator signals breakthrough when it changes from **BLUE** to **BROWN**. The ZPure Glass Filters and Purifiers are available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

38 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202318-B
1/8" Stainless Steel Fittings	202318-SS
1/4" Brass Fittings	202319-B
1/4" Stainless Steel Fittings	202319-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202318-B-QC
1/8" Stainless Steel Fittings	202318-SS-QC
1/4" Brass Fittings	202319-B-QC
1/4" Stainless Steel Fittings	202319-SS-QC

*Replacement Filters listed on page 24.



ZPure™ Glass O₂ Filters

The ZPure O₂ Filter removes O₂ to low ppb levels from He, Ar, N₂, or methane. The indicator signals oxygen breakthrough when the adsorbent changes from **GREEN** to **GREY**. The ZPure Glass Filters and Purifiers are available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

10 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202236-B
1/8" Stainless Steel Fittings	202236-SS
1/4" Brass Fittings	202237-B
1/4" Stainless Steel Fittings	202237-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202236-B-QC
1/8" Stainless Steel Fittings	202236-SS-QC
1/4" Brass Fittings	202237-B-QC
1/4" Stainless Steel Fittings	202237-SS-QC

*Replacement Filters listed on page 24.



ZPure™ Glass H₂O HSMI Filters

The ZPure H₂O HSMI Filter is for applications requiring high efficiency H₂O removal. The high sensitivity indicator signals breakthrough at 1 ppm H₂O and changes from **BLUE** to **BROWN**. The ZPure Glass Filters and Purifiers are available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

46 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202283-B
1/8" Stainless Steel Fittings	202283-SS
1/4" Brass Fittings	202284-B
1/4" Stainless Steel Fittings	202284-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202283-B-QC
1/8" Stainless Steel Fittings	202283-SS-QC
1/4" Brass Fittings	202284-B-QC
1/4" Stainless Steel Fittings	202284-SS-QC

*Replacement Filters listed on page 24.



BLOGables

Need help picking an indicator? Read more online at <https://www.ChromRes.com/blog/>

Useful and relevant discussions related to the GC industry including product information, troubleshooting, FAQ, and recommendations from our skilled experts.

Gas Purifiers & Filters



ZPure™ Glass H₂O Filters

The ZPure H₂O Filter removes H₂O to low ppb levels. The Co-Free H₂O indicator signals breakthrough at 5% relative humidity and changes from **GREEN** to **BLUE**. The ZPure Glass Filters and Purifiers are available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

46 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202234-B
1/8" Stainless Steel Fittings	202234-SS
1/4" Brass Fittings	202235-B
1/4" Stainless Steel Fittings	202235-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202234-B-QC
1/8" Stainless Steel Fittings	202234-SS-QC
1/4" Brass Fittings	202235-B-QC
1/4" Stainless Steel Fittings	202235-SS-QC

*Replacement Filters listed on page 24.



ZPure™ Glass H₂O / HC Filters

The ZPure H₂O / HC Filter removes H₂O and hydrocarbons (C5 and heavier) from dry air or inert gases. The Co-Free H₂O indicator signals breakthrough at 5% relative humidity and changes from **GREEN** to **BLUE**. The ZPure Glass H₂O / HC Filter is available with standard compression fittings or quick connect fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

46 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202256-B
1/8" Stainless Steel Fittings	202256-SS
1/4" Brass Fittings	202257-B
1/4" Stainless Steel Fittings	202257-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202256-B-QC
1/8" Stainless Steel Fittings	202256-SS-QC
1/4" Brass Fittings	202257-B-QC
1/4" Stainless Steel Fittings	202257-SS-QC

*Replacement Filters listed on page 24.



Did you know?

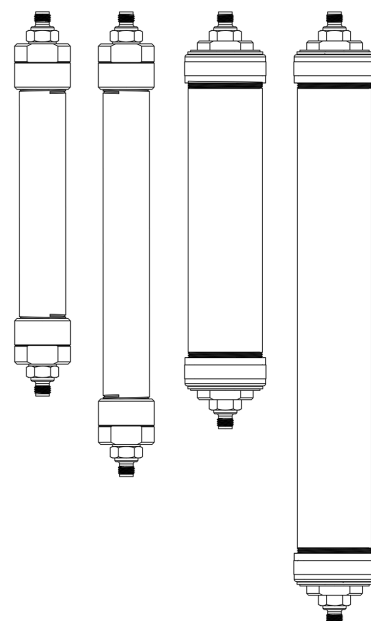
You can contact CRS for filter life estimations based on your specific laboratory environment.

SPure™ Inline Gas Filters - Plastic Body

- Moisture, oil, dust and hydrocarbon traps suitable for general purpose use
- High-strength polycarbonate and acrylic bodies with aluminum endcaps
- Available with standard brass and stainless steel compression fittings, quick connect fittings, and metal push-to-connect fittings
- Not recommended for house compressed air lines or for GC Carrier gases
- Not for use with hazardous, flammable, or reactive gases

*Filter lifetime is dependent on the quality of incoming gas and the flow rate.

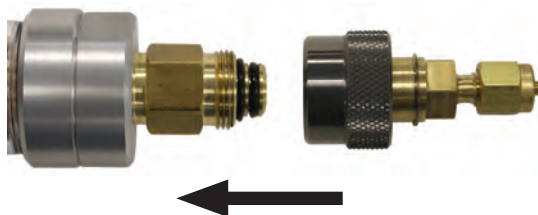
*For more detailed specifications on individual applications please contact CRS at Sales@ChromRes.com.



From Left to Right:
88 cc, 116 cc, 240 cc, 400 cc.



Compression Fittings seal well and can be broken and retightened many times if used properly. Compatible with industry standard ferrules and tubing.



Quick Connect Fittings are used for fast connections and replacements. They have superior seals that use O-rings and check valves to protect gas lines.



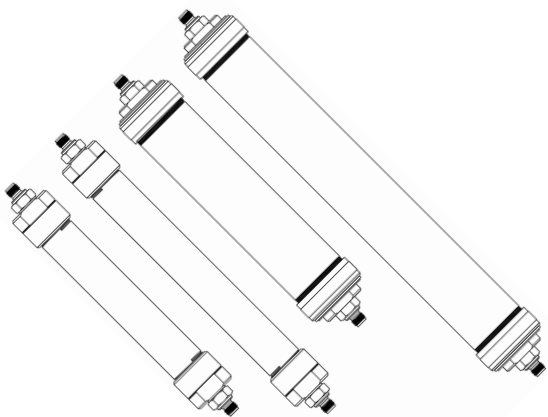
Push-to-Connect Fittings are used to connect plastic tubing with a quick and easy connection. Push-to-connect fittings have lower pressure ratings, and permeation through plastic tubing can have some effect on the ultimate purity level of the gas.

Filter Indicators shown in full capacity and depleted states.



CoFree™ Adsorbent:
Top: Full Capacity; Bottom: Depleted.

Gas Purifiers & Filters



SPure™ H₂O Filters

The SPure H₂O Filter removes moisture, oil and dust from air and inert gases. The cobalt-free moisture indicator signals breakthrough at 5% relative humidity and changes from **GREEN** to **BLUE**. The SPure H₂O Filter is available in an 88 cc tube, a long 116 cc tube, a 240 cc tube, and an extra large 400 cc tube (shown above from left to right). SPure Filters have the option of standard compression fittings and quick connect fittings in 1/4" and 1/8" brass and stainless steel, or metal push-to-connect fittings in 1/4" and 6 mm for plastic tubing and non-carrier gas lines.

Visit www.ChromRes.com for product specifications and additional information.

88 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202238-B
1/8" Stainless Steel Fittings	202238-SS
1/4" Brass Fittings	202239-B
1/4" Stainless Steel Fittings	202239-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202238-B-QC
1/8" Stainless Steel Fittings	202238-SS-QC
1/4" Brass Fittings	202239-B-QC
1/4" Stainless Steel Fittings	202239-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202238-4-PC
6 mm Nickel Plated Brass Fittings	202238-6-PC

LS - 116 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202238L-B
1/8" Stainless Steel Fittings	202238L-SS

1/4" Brass Fittings	202239L-B
1/4" Stainless Steel Fittings	202239L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202238L-B-QC
1/8" Stainless Steel Fittings	202238L-SS-QC
1/4" Brass Fittings	202239L-B-QC
1/4" Stainless Steel Fittings	202239L-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202238L-4-PC
6 mm Nickel Plated Brass Fittings	202238L-6-PC

DS - 240 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202238D-B
1/8" Stainless Steel Fittings	202238D-SS
1/4" Brass Fittings	202239D-B
1/4" Stainless Steel Fittings	202239D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202238D-B-QC
1/8" Stainless Steel Fittings	202238D-SS-QC
1/4" Brass Fittings	202239D-B-QC
1/4" Stainless Steel Fittings	202239D-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202238D-4-PC
6 mm Nickel Plated Brass Fittings	202238D-6-PC

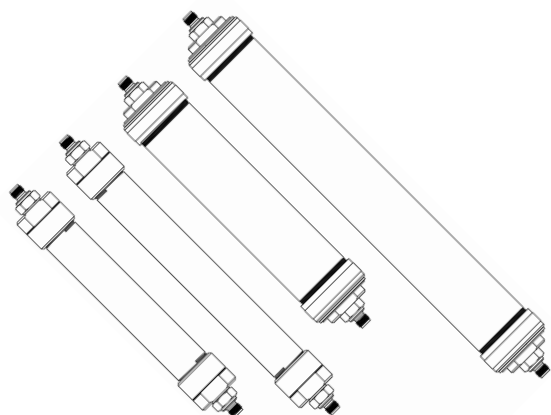
XLS - 400 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202238XL-B
1/8" Stainless Steel Fittings	202238XL-SS
1/4" Brass Fittings	202239XL-B
1/4" Stainless Steel Fittings	202239XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202238XL-B-QC
1/8" Stainless Steel Fittings	202238XL-SS-QC
1/4" Brass Fittings	202239XL-B-QC
1/4" Stainless Steel Fittings	202239XL-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202238XL-4-PC
6 mm Nickel Plated Brass Fittings	202238XL-6-PC

*Replacement Filters listed on page 24.



SPure™ H₂O/HC Filters

The SPure H₂O/HC Filter removes moisture, oil, dust, and hydrocarbons (C5 and heavier) from dry air and inert gases. The cobalt-free moisture indicator signals breakthrough at 5% relative humidity and changes from **GREEN** to **BLUE**. The SPure H₂O/HC Filter is available in an 88 cc tube, a long 116 cc tube, a 240 cc tube, and an extra large 400 cc tube (shown above from left to right). SPure Filters have the option of standard compression fittings and quick connect fittings in 1/4" and 1/8" brass and stainless steel, or metal push-to-connect fittings in 1/4" and 6 mm for plastic tubing and non-carrier gas lines.

Visit www.ChromRes.com for product specifications and additional information.

88 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202324-B
1/8" Stainless Steel Fittings	202324-SS
1/4" Brass Fittings	202325-B
1/4" Stainless Steel Fittings	202325-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202324-B-QC
1/8" Stainless Steel Fittings	202324-SS-QC
1/4" Brass Fittings	202325-B-QC
1/4" Stainless Steel Fittings	202325-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202324-4-PC
6 mm Nickel Plated Brass Fittings	202324-6-PC

LS - 116 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202324L-B
1/8" Stainless Steel Fittings	202324L-SS

1/4" Brass Fittings	202325L-B
1/4" Stainless Steel Fittings	202325L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202324L-B-QC
1/8" Stainless Steel Fittings	202324L-SS-QC
1/4" Brass Fittings	202325L-B-QC
1/4" Stainless Steel Fittings	202325L-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202324L-4-PC
6 mm Nickel Plated Brass Fittings	202324L-6-PC

DS - 240 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202324D-B
1/8" Stainless Steel Fittings	202324D-SS
1/4" Brass Fittings	202325D-B
1/4" Stainless Steel Fittings	202325D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202324D-B-QC
1/8" Stainless Steel Fittings	202324D-SS-QC
1/4" Brass Fittings	202325D-B-QC
1/4" Stainless Steel Fittings	202325D-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202324D-4-PC
6 mm Nickel Plated Brass Fittings	202324D-6-PC

XLS - 400 cc Filters

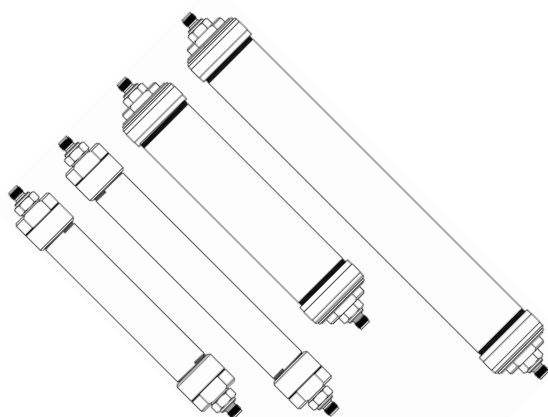
Compression Fittings	Item No.
1/8" Brass Fittings	202324XL-B
1/8" Stainless Steel Fittings	202324XL-SS
1/4" Brass Fittings	202325XL-B
1/4" Stainless Steel Fittings	202325XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202324XL-B-QC
1/8" Stainless Steel Fittings	202324XL-SS-QC
1/4" Brass Fittings	202325XL-B-QC
1/4" Stainless Steel Fittings	202325XL-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202324XL-4-PC
6 mm Nickel Plated Brass Fittings	202324XL-6-PC

*Replacement Filters listed on page 24.

Gas Purifiers & Filters



SPure™ HC Filters

The SPure HC Filter removes hydrocarbons (C5 and heavier) from dry air and inert gases. The SPure HC Filter is available in an 88 cc tube, a long 116 cc tube, a 240 cc tube, and an extra large 400 cc tube (shown above from left to right). SPure Filters have the option of standard compression fittings and quick connect fittings in 1/4" and 1/8" brass and stainless steel, or metal push-to-connect fittings in 1/4" and 6 mm for plastic tubing and non-carrier gas lines.

Visit www.ChromRes.com for product specifications and additional information.

88 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202326-B
1/8" Stainless Steel Fittings	202326-SS
1/4" Brass Fittings	202327-B
1/4" Stainless Steel Fittings	202327-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202326-B-QC
1/8" Stainless Steel Fittings	202326-SS-QC
1/4" Brass Fittings	202327-B-QC
1/4" Stainless Steel Fittings	202327-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202326-4-PC
6 mm Nickel Plated Brass Fittings	202326-6-PC

LS - 116 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202326L-B
1/8" Stainless Steel Fittings	202326L-SS

1/4" Brass Fittings	202327L-B
1/4" Stainless Steel Fittings	202327L-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202326L-B-QC
1/8" Stainless Steel Fittings	202326L-SS-QC
1/4" Brass Fittings	202327L-B-QC
1/4" Stainless Steel Fittings	202327L-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202326L-4-PC
6 mm Nickel Plated Brass Fittings	202326L-6-PC

DS - 240 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202326D-B
1/8" Stainless Steel Fittings	202326D-SS
1/4" Brass Fittings	202327D-B
1/4" Stainless Steel Fittings	202327D-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202326D-B-QC
1/8" Stainless Steel Fittings	202326D-SS-QC
1/4" Brass Fittings	202327D-B-QC
1/4" Stainless Steel Fittings	202327D-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202326D-4-PC
6 mm Nickel Plated Brass Fittings	202326D-6-PC

XLS - 400 cc Filters

Compression Fittings	Item No.
1/8" Brass Fittings	202326XL-B
1/8" Stainless Steel Fittings	202326XL-SS
1/4" Brass Fittings	202327XL-B
1/4" Stainless Steel Fittings	202327XL-SS

Quick Connect Fittings*	Item No.
1/8" Brass Fittings	202326XL-B-QC
1/8" Stainless Steel Fittings	202326XL-SS-QC
1/4" Brass Fittings	202327XL-B-QC
1/4" Stainless Steel Fittings	202327XL-SS-QC

Push-to-Connect Fittings	Item No.
1/4" Nickel Plated Brass Fittings	202326XL-4-PC
6 mm Nickel Plated Brass Fittings	202326XL-6-PC

*Replacement Filters listed on page 24.

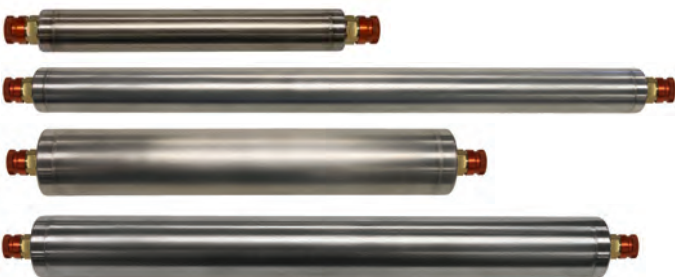
Quick Connect Cartridge Replacements

Quick Connect Fittings are used for fast connections and replacements. Once you have ordered a filter with a quick connect fittings kit, you can then order replacement cartridges at a reduced price. They have superior seals that use o-rings and check valves to protect gas lines.

Visit www.ChromRes.com for product specifications and additional information.



ZPure™ Stainless Steel Filter Quick Connect Cartridge Replacements



O ₂ Filters	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202RO2-B-QC	202RO2-SS-QC

H ₂ O Filters	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202RH2-B-QC	202RH2-SS-QC
475 cc Filter	202RH2L-B-QC	202RH2L-SS-QC
500 cc Filter	202RH2D-B-QC	202RH2D-SS-QC
750 cc Filter	202RH2XL-B-QC	202RH2XL-SS-QC

HC Filters	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202RHC-B-QC	202RHC-SS-QC
475 cc Filter	202RHCL-B-QC	202RHCL-SS-QC
500 cc Filter	202RHCD-B-QC	202RHCD-SS-QC
750 cc Filter	202RHCXL-B-QC	202RHCXL-SS-QC

O ₂ / H ₂ O Filters	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202ROH-B-QC	202ROH-SS-QC
475 cc Filter	202ROHL-B-QC	202ROHL-SS-QC
500 cc Filter	202ROHD-B-QC	202ROHD-SS-QC
750 cc Filter	202ROHXL-B-QC	202ROHXL-SS-QC

CO ₂ Filters	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202RCO-B-QC	202RCO-SS-QC
475 cc Filter	202RCOL-B-QC	202RCOL-SS-QC
500 cc Filter	202RCOD-B-QC	202RCOD-SS-QC
750 cc Filter	202RCOXL-B-QC	202RCOXL-SS-QC

PolyGas I	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202RP1-B-QC	202RP1-SS-QC
475 cc Filter	202RP1L-B-QC	202RP1L-SS-QC
500 cc Filter	202RP1D-B-QC	202RP1D-SS-QC
750 cc Filter	202RP1XL-B-QC	202RP1XL-SS-QC

PolyGas II	Brass Fitting Kits	SS Fitting Kits
130 cc Filter	202RP2-B-QC	202RP2-SS-QC
475 cc Filter	202RP2L-B-QC	202RP2L-SS-QC
500 cc Filter	202RP2D-B-QC	202RP2D-SS-QC
750 cc Filter	202RP2XL-B-QC	202RP2XL-SS-QC



Did you know?

Our quality leak checks guarantee ultra-high purity outlet gas.

Quick Connect Cartridge Replacements

Quick Connect Fittings are used for fast connections and replacements. Once you have ordered a filter with a quick connect fittings kit, you can then order replacement cartridges at a reduced price. They have superior seals that use o-rings and check valves to protect gas lines.

Visit www.ChromRes.com for product specifications and additional information.



ZPure™ Glass Filter Quick Connect Cartridge Replacements



PolyGas I	Brass Fitting Kits	SS Fitting Kits
38 cc Purifier	202314RP-B-QC	202314RP-SS-QC

PolyGas II	Brass Fitting Kits	SS Fitting Kits
38 cc Purifier	202318RP-B-QC	202318RP-SS-QC

O ₂	Brass Fitting Kits	SS Fitting Kits
10 cc Filter	202236RP-B-QC	202236RP-SS-QC

H ₂ O HSMI	Brass Fitting Kits	SS Fitting Kits
46 cc Filter	202283RP-B-QC	202283RP-SS-QC

H ₂ O	Brass Fitting Kits	SS Fitting Kits
46 cc Filter	202234RP-B-QC	202234RP-SS-QC

H ₂ O / HC	Brass Fitting Kits	SS Fitting Kits
46 cc Filter	202256RP-B-QC	202256RP-SS-QC

SPure™ Filter Quick Connect Cartridge Replacements



SPure H ₂ O	Brass Fitting Kits	SS Fitting Kits
88 cc Filter	202238RP-B-QC	202238RP-SS-QC
116 cc Filter	202238LRP-B-QC	202238LRP-SS-QC
240 cc Filter	202238DRP-B-QC	202238DRP-SS-QC
400 cc Filter	202238XLRP-B-QC	202238XLRP-SS-QC

SPure H ₂ O/HC	Brass Fitting Kits	SS Fitting Kits
88 cc Filter	202324RP-B-QC	202324RP-SS-QC
116 cc Filter	202324LRP-B-QC	202324LRP-SS-QC
240 cc Filter	202324DRP-B-QC	202324DRP-SS-QC
400 cc Filter	202324XLRP-B-QC	202324XLRP-SS-QC

SPure HC	Brass Fitting Kits	SS Fitting Kits
88 cc Filter	202326RP-B-QC	202326RP-SS-QC
116 cc Filter	202326LRP-B-QC	202326LRP-SS-QC
240 cc Filter	202326DRP-B-QC	202326DRP-SS-QC
400 cc Filter	202326XLRP-B-QC	202326XLRP-SS-QC

CRS Legacy Purifiers

CRS has several standard inline purifiers that are known as the Legacy Line. They are sturdy metal cylinders that are recognized for their high pressure ratings, large capacities, and exceptional efficiency. The Legacy Line includes contaminant-specific models for removal of oxygen, moisture, hydrocarbons, and carbon dioxide from the gas stream. The Stainless Steel ZPure Filters are recommended as upgrades to these purifiers.

*Purifier lifetime is dependent on the quality of incoming gas and the flow rate.

*For more detailed specifications on individual applications please contact CRS at Sales@ChromRes.com.



Model 1000 Oxygen Purifiers

The Model 1000 is a high capacity O₂ filter, for long term protection of capillary column stationary phases against oxidation at GC operating temperatures. The Model 1000 is intended for use with non-oxidizing gases such as He, Ar, N₂, H₂ or CH₄, containing less than 0.1% oxygen. The adsorbent binds covalently with oxygen; no gas is generated from this reaction. The filters are available with standard compression fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

500 cc

Compression Fittings	Item No.
1/8" Brass Fittings	202200-B
1/4" Brass Fittings	202202-B
1/8" Stainless Fittings	202200-SS
1/4" Stainless Fittings	202202-SS



Model 500 Molecular Sieve Drying Purifiers

The Model 500 is a high capacity H₂O filter that reduces moisture to low ppb levels. It is recommended for detector support gases and carrier gases. The filters are available with standard compression fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

500 cc

Compression Fittings	Item No.
1/8" Brass Fittings	202270-B
1/4" Brass Fittings	202272-B
1/8" Stainless Fittings	202270-SS
1/4" Stainless Fittings	202272-SS

Gas Purifiers & Filters



Did you know?

CRS developed the ZPure Line as an upgrade to the Legacy Purifiers. ZPure Filters and Purifiers have improved safety features, advanced sealing technology, and various size and fitting configurations.



Model 300 High Pressure Hydrocarbon Purifiers

The Model 300 Purifier 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. The filters are available with standard compression fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

500 cc

Compression Fittings	Item No.
1/8" Brass Fittings	202330-B
1/4" Brass Fittings	202332-B
1/8" Stainless Fittings	202330-SS
1/4" Stainless Fittings	202332-SS



Carbon Dioxide Purifiers

The Carbon Dioxide Purifier is a high capacity filter that removes CO₂ from the gas stream to low ppb levels. This filter will irreversibly bind the CO₂; the reaction will create moisture which is adsorbed by the molecular sieve. When downstream water is a concern, it is recommended to use a second moisture purifier in line as well. The Carbon Dioxide Purifier is not recommended for GC use. The filters are available with standard compression fittings in 1/4" and 1/8" brass and stainless steel.

Visit www.ChromRes.com for product specifications and additional information.

500 cc

Compression Fittings	Item No.
1/8" Brass Fittings	202350-B
1/4" Brass Fittings	202352-B
1/8" Stainless Fittings	202350-SS
1/4" Stainless Fittings	202352-SS