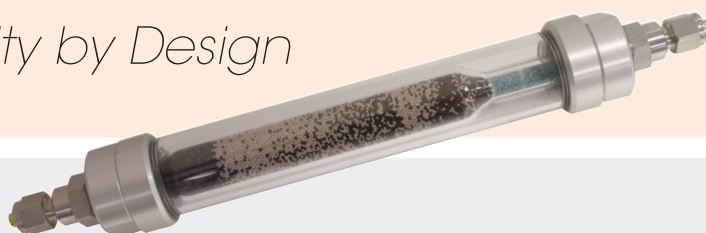

ZPure™ Gas Purifiers Filters and Traps



Purity by Design



YOUR GLOBAL SCIENCE PARTNER

ZPure™ Gas Purifiers, Filters and Traps

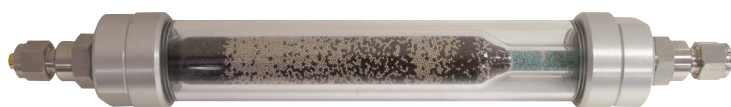
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Gas Filter Product Finder

Glass (Indicating) Filters



Page / Filter Type	Polygas I	Polygas II	ZPure O ₂	ZPure H ₂ O HSMI	ZPure H ₂ O	ZPure H ₂ O HC
3	O ₂ , H ₂ O, HC	H ₂ O, HC				
4			O ₂	H ₂ O		
5					H ₂ O	H ₂ O, HC

Metal Filters



Page / Filter Type	ZPure Dual	ZPure O ₂	Polygas I	Polygas II	ZPure HC	ZPure H ₂ O	ZPure CO ₂	Model 1000	Model 500
7	O ₂ , H ₂ O	O ₂							
8			O ₂ , H ₂ O, HC						
10				H ₂ O, HC					
12					HC				
14						H ₂ O			
16							CO ₂		
18								O ₂	H ₂ O

Polycarbonate (Indicating) Filters



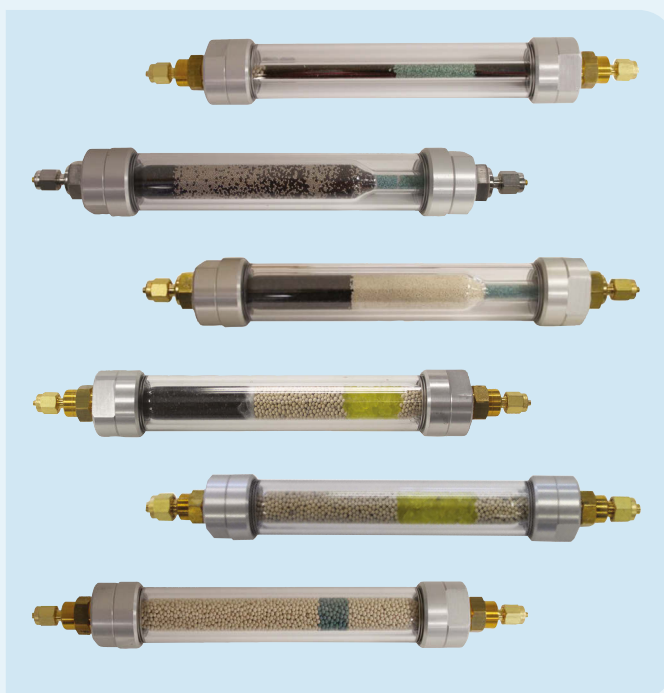
Page/Filter Type	Gas Dry
19	H ₂ O & Dust

ZPure Glass Purifiers and Filters - Indicating

- An extensive range of convenient point-of-use purifiers with high sensitivity visual indicators for oxygen and water breakthrough
- High capacity adsorbents with well-characterised performance
- Integrated stainless steel frits for particle removal
- Fluoroelastomer seals for inertness
- Individually helium leak-tested
- Available with compression and quick connect fittings in brass and stainless steel, in a glass body shielded by an outer polycarbonate protective body

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

For more detailed specifications on individual applications, please contact Greyhound at sales@greyhoundchrom.com



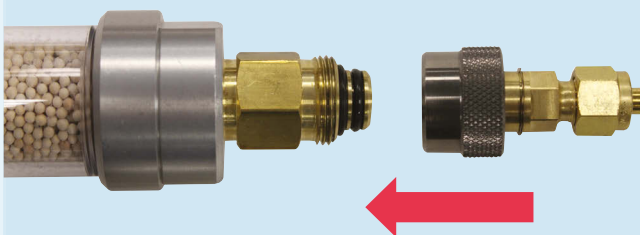
Compression Fittings

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



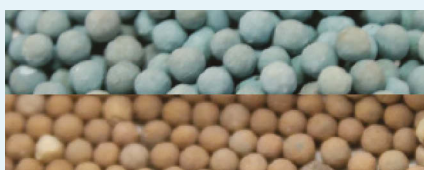
Quick Connect Fittings

Used for fast connections and replacements. Superior seal using O-rings and check valves to protect gas lines.



Oxygen Adsorbent

Top: Full Capacity - Bottom: depleted



Moisture Adsorbent

Top: Full Capacity - Bottom: depleted



Cofree™ Adsorbent

Top: Full Capacity - Bottom: depleted

ZPure PolyGas I Indicating Purifiers - Glass

The ZPure PolyGas I Purifier removes O₂, H₂O, CO₂, CO, halogenated compounds, siloxanes, hydrocarbons heavier than butane, 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 and similar Filters. The indicators signal oxygen breakthrough when the adsorbent changes from green to grey and the moisture indicator changes from blue to brown.

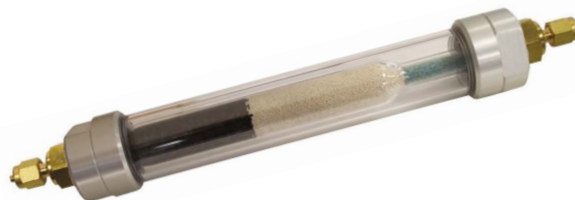


38cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 110cc H ₂ O: 1.4g HC: 1.0g	O ₂ : < 5ppb H ₂ O: < 20ppb HC: < 5ppb	200mL/min	400mL/min*	NO	100 PSIG	3.8cm x 26.3cm	1/8" Brass Compression	17-202314-B
							1/8" Stainless Steel Compression	17-202314-SS
							1/4" Brass Compression	17-202315-B
							1/4" Stainless Steel Compression	17-202315-SS
						3.8cm x 33cm (26.8 cm w/o Fittings)	1/8" Brass Quick Connect	17-202314-B-QC
							1/8" Stainless Steel Quick Connect	17-202314-SS-QC
							1/4" Brass Quick Connect	17-202315-B-QC
							1/4" Stainless Steel Quick Connect	17-202315-SS-QC

ZPure PolyGas II Indicating Purifiers - Glass

The ZPure PolyGas II Purifier removes H₂O, CO₂, halogenated compounds, siloxanes, hydrocarbons heavier than butane, 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 and similar Filters. The indicators signal oxygen breakthrough when the adsorbent changes from blue to brown.



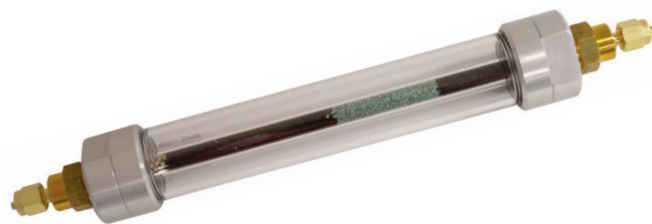
38cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 1.9g HC: 1.8g	H ₂ O: < 20ppb HC: < 5ppb	200mL/min	400mL/min*	NO	100 PSIG	3.8cm x 26.3cm	1/8" Brass Compression	17-202318-B
							1/8" Stainless Steel Compression	17-202318-SS
							1/4" Brass Compression	17-202319-B
							1/4" Stainless Steel Compression	17-202319-SS
						3.8cm x 33cm (26.8 cm w/o Fittings)	1/8" Brass Quick Connect	17-202318-B-QC
							1/8" Stainless Steel Quick Connect	17-202318-SS-QC
							1/4" Brass Quick Connect	17-202319-B-QC
							1/4" Stainless Steel Quick Connect	17-202319-SS-QC

* For estimated life at higher flow rates, contact: info@greyhoundchrom.com

ZPure O₂ Indicating Filters - Glass

The ZPure O₂ Filter removes oxygen to low ppb levels from He, Ar, N₂ or methane. The indicator signals oxygen breakthrough when adsorbent changes from green to grey.



10cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
45cc	O ₂ : < 5ppb	200mL/min	2 SLPM	HAZARDOUS UN3190	100 PSIG	3.8cm x 26.3cm	1/8" Brass Compression	17-202236-B
							1/8" Stainless Steel Compression	17-202236-SS
							1/4" Brass Compression	17-202237-B
							1/4" Stainless Steel Compression	17-202237-SSO ₂
						3.8cm x 33cm (26.8cm w/o Fittings)	1/8" Brass Quick Connect	17-202236-B-QC
							1/8" Stainless Steel Quick Connect	17-202236-SS-QC
							1/4" Brass Quick Connect	17-202237-B-QC
							1/4" Stainless Steel Quick Connect	17-202237-SS-QC

ZPure H₂O HSMI Indicating Filters - Glass

The ZPure H₂O 'High Sensitivity Moisture Indicating' Filter is for applications requiring high efficiency moisture removal. The high sensitivity indicator signals breakthrough at 1ppm water and changes from blue to brown.



46cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 6g	H ₂ O: < 20ppb	200mL/min	2 SLPM	NO	100 PSIG	3.8cm x 26.3cm	1/8" Brass Compression	17-202283-B
							1/8" Stainless Steel Compression	17-202283-SS
							1/4" Brass Compression	17-202284-B
							1/4" Stainless Steel Compression	17-202284-SS
						3.8cm x 33cm (26.8cm w/o Fittings)	1/8" Brass Quick Connect	17-202283-B-QC
							1/8" Stainless Steel Quick Connect	17-202283-SS-QC
							1/4" Brass Quick Connect	17-202284-B-QC
							1/4" Stainless Steel Quick Connect	17-202284-SS-QC

ZPure H₂O Indicating Filters - Glass

The ZPure H₂O Filter removes moisture to low ppb levels. The Co-Free moisture indicator signals breakthrough when it changes from green to blue.

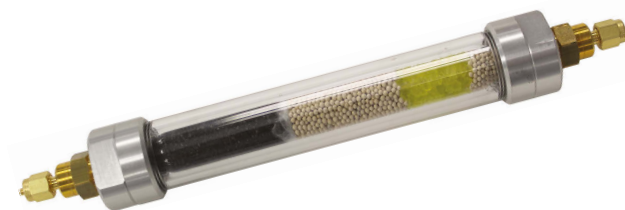


46cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 6g	H ₂ O < 20ppb	200mL/min	2 SLPM	NO	100 PSIG	3.8cm x 26.3cm	1/8" Brass Compression	17-202234-B
							1/8" Stainless Steel Compression	17-202234-SS
							1/4" Brass Compression	17-202235-B
							1/4" Stainless Steel Compression	17-202235-SS
						3.8cm x 33cm (26.8cm w/o Fittings)	1/8" Brass Quick Connect	17-202234-B-QC
							1/8" Stainless Steel Quick Connect	17-202234-SS-QC
							1/4" Brass Quick Connect	17-202235-B-QC
							1/4" Stainless Steel Quick Connect	17-202235-SS-QC

ZPure H₂O / HC Indicating Filters - Glass

The ZPure H₂O / HC Filter removes moisture and hydrocarbons from dry air or inert gases. The Co-Free moisture indicator signals breakthrough when it changes from green to blue.



46cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 3g HC: 2g	H ₂ O: < 20ppb HC: < 5ppb	200mL/min	2 SLPM	NO	100 PSIG	3.8cm x 26.3cm	1/8" Brass Compression	17-202256-B
							1/8" Stainless Steel Compression	17-202256-SS
							1/4" Brass Compression	17-202257-B
							1/4" Stainless Steel Compression	17-202257-SS

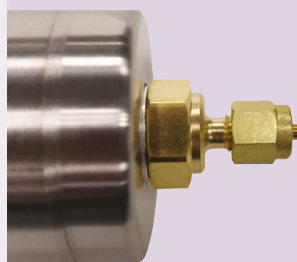
ZPure Stainless Steel Purifiers and Filters

- High-efficiency Inline traps with outstanding capacity
- High quality activated adsorbents for long purifier life and efficient contaminant removal
- Various size and fitting configurations to fit existing installations
- Available in 4 sizes of stainless steel cylinders ranging from 130cc to 750cc. The ZPure Purifiers are available with standard compression and quick connect fittings, in 1/4" and 1/8" brass and stainless steel and with push-to-connect fittings in 1/4" and 6mm nickel plated brass.



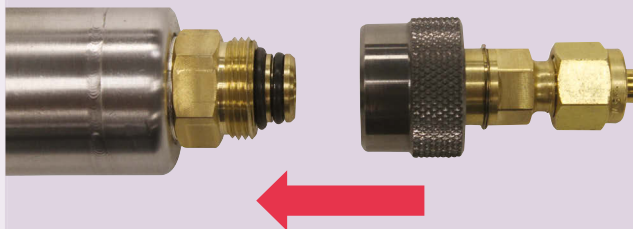
Compression Fittings

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



Quick Connect Fittings

Used for fast connections and replacements. Superior seal using O-rings and check valves to protect gas lines.



Push to Connect Fittings

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.



ZPure Dual Filters - Metal

Protect the stationary phase of your column from oxygen and water degradation with the ZPure Dual Purifier. It is a compact stainless steel purifier designed for GC/MS carrier gas lines to improve baseline and sensitivity.

Recommended for use with point-of-use applications that require ultra-pure inert gas. Advanced adsorbent technology allows true removal capacities of 600cc for oxygen and 6g for water at flow rates up to 2 L/min.



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 600cc H ₂ O: 6g	O ₂ : < 5 ppb H ₂ O: < 20ppb	1 SLPM	10 SLPM	SMALL QUANTITY EXCEPTION	1000 PSIG / 68.9 Bar	3.2cm x 28cm	1/8" Brass Compression	17-202206-B
							1/8" Stainless Steel Compression	17-202206-SS
							1/4" Brass Compression	17-202207-B
							1/4" Stainless Steel Compression	17-202207-SS

ZPure O₂ Filters - Metal

The ZPure O₂ Filter removes oxygen from He, Ar, N₂, H₂ and methane to low ppb levels, with very high capacity in a compact package.



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 2500cc	O ₂ : < 5ppb	1 SLPM	10 SLPM	HAZARDOUS UN3190	1000 PSIG / 68.9 Bar	3.8cm x 26.3cm	1/8" Brass Compression	17-202216-B
							1/8" Stainless Steel Compression	17-202216-SS
							1/4" Brass Compression	17-202217-B
							1/4" Stainless Steel Compression	17-202217-SS
					200 PSIG / 13.8 Bar	3.2cm x 34cm (28cm w/o Fittings)	1/8" Brass Quick Connect	17-202216-B-QC
							1/8" Stainless Steel Quick Connect	17-202216-SS-QC
							1/4" Brass Quick Connect	17-202217-B-QC
							1/4" Stainless Steel Quick Connect	17-202217-SS-QC

ZPure PolyGas I Purifiers - Metal

The ZPure PolyGas I Purifier removes a wide range of contaminants including O₂, H₂O, CO₂, CO, halogenated compounds, siloxanes, hydrocarbons heavier than butane, 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 also recommended for any application requiring ultra-pure gas free from oxygen, water and hydrocarbons (heavier than butane).



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 1178cc H ₂ O: * 2.8g HC: ** 4.0g	O ₂ : < 5ppb H ₂ O: < 20ppb HC: ** < 5ppb	320mL/min	1 SLPM***	NO	1000 PSIG / 68.9 Bar	3.2cm x 28cm	1/8" Brass Compression	17-202285-B
							1/8" Stainless Steel Compression	17-202285-SS
							1/4" Brass Compression	17-202286-B
							1/4" Stainless Steel Compression	17-202286-SS
					200 PSIG / 13.8 Bar	3.2cm x 34cm (28 cm w/o Fittings)	1/8" Brass Quick Connect	17-202285-B-QC
							1/8" Stainless Steel Quick Connect	17-202285-SS-QC
							1/4" Brass Quick Connect	17-202286-B-QC
							1/4" Stainless Steel Quick Connect	17-202286-SS-QC

475cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 649cc H ₂ O: * 10.3g HC: ** 14.7g	O ₂ : < 5ppb H ₂ O: < 20ppb HC: ** < 5ppb	1 SLPM	3.7 SLPM***	NO	1000 PSIG / 68.9 Bar	3.8cm x 57cm	1/8" Brass Compression	17-202285L-B
							1/8" Stainless Steel Compression	17-202285L-SS
							1/4" Brass Compression	17-202286L-B
							1/4" Stainless Steel Compression	7-202286L-SS
					200 PSIG / 13.8 Bar	3.8cm x 63cm (57cm w/o Fittings)	1/8" Brass Quick Connect	17-202285L-B-QC
							1/8" Stainless Steel Quick Connect	17-202285L-SS-QC
							1/4" Brass Quick Connect	17-202286L-B-QC
							1/4" Stainless Steel Quick Connect	17-202286L-SS-QC

* Water capacity based on an inlet moisture concentration of 200ppmv

** Hydrocarbons heavier than C₄

*** For high flow applications contact: info@greyhoundchrom.com

500cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 683cc H ₂ O:* 10.9g HC:** 15.4g	O ₂ : < 5ppb H ₂ O: < 20ppb HC:** < 5ppb	1.2 SLPM	3.9 SLPM***	NO	200 PSIG / 13.8 Bar	5 cm x 35cm	1/8" Brass Compression	17-202285D-B
							1/8" Stainless Steel Compression	17-202285D-SS
							1/4" Brass Compression	17-202286D-B
							1/4" Stainless Steel Compression	17-202286D-SS
						5 cm x 41cm (35 cm w/o Fittings)	1/8" Brass Quick Connect	17-202285D-B-QC
							1/8" Stainless Steel Quick Connect	17-202285D-SS-QC
							1/4" Brass Quick Connect	17-202286D-B-QC
							1/4" Stainless Steel Quick Connect	17-202286D-SS-QC

750cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 1024cc H ₂ O:* 16.3g HC:** 23.2g	O ₂ : < 5ppb H ₂ O: < 20ppb HC:** < 5ppb	1.9 SLPM	5.8 SLPM***	NO	200 PSIG / 13.8 Bar	5 cm x 50cm	1/8" Brass Compression	17-202285XL-B
							1/8" Stainless Steel Compression	17-202285XL-SS
							1/4" Brass Compression	17-202286XL-B
							1/4" Stainless Steel Compression	17-202286XL-SS
						5 cm x 56cm (50 cm w/o Fittings)	1/8" Brass Quick Connect	7-202285XL-B-QC
							1/8" Stainless Steel Quick Connect	17-202285XL-SS-QC
							1/4" Brass Quick Connect	17-202286XL-B-QC
							1/4" Stainless Steel Quick Connect	17-202286XL-SS-QC

* Water capacity based on an inlet moisture concentration of 200ppmv

** Hydrocarbons heavier than C4

*** For high flow applications contact: info@greyhoundchrom.com

ZPure PolyGas II Purifiers - Metal

The ZPure PolyGas II Purifier removes water, CO₂, halogenated compounds, siloxanes, hydrocarbons heavier than butane, 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.



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 6.2g HC:** 5.7g	H ₂ O: < 20ppb HC: < 5ppb	1 SLPM	5 SLPM***	NO	1000 PSIG / 68.9 Bar	3.2cm x 28cm	1/8" Brass Compression	17-202287-B
							1/8" Stainless Steel Compression	17-202287-SS
							1/4" Brass Compression	17-202288-B
							1/4" Stainless Steel Compression	17-202288-SS
					200 PSIG / 13.8 Bar	3.2cm x 34cm (28 cm w/o Fittings)	1/8" Brass Quick Connect	17-202287-B-QC
							1/8" Stainless Steel Quick Connect	17-202287-SS-QC
							1/4" Brass Quick Connect	7-202288-B-QC
							1/4" Stainless Steel Quick Connect	17-202288-SS-QC

475cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 22.7g HC:** 21.0g	H ₂ O: < 20ppb HC: < 5ppb	3.7 SLPM	18 SLPM***	NO	1000 PSIG / 68.9 Bar	3.8cm x 57cm	1/8" Brass Compression	17-202287L-B
							1/8" Stainless Steel Compression	17-202287L-SS
							1/4" Brass Compression	17-202288L-B
							1/4" Stainless Steel Compression	17-202288L-SS
					200 PSIG / 13.8 Bar	3.8cm x 63cm (57cm w/o Fittings)	1/8" Brass Quick Connect	17-202287L-B-QC
							1/8" Stainless Steel Quick Connect	17-202287L-SS-QC
							1/4" Brass Quick Connect	17-202288L-B-QC
							1/4" Stainless Steel Quick Connect	17-202288L-SS-QC

* Water capacity based on an inlet moisture concentration of 200ppmv

** Hydrocarbons heavier than C4

*** For high flow applications contact: info@greyhoundchrom.com

500cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 23.9g HC:** 22.1g	H ₂ O: < 20ppb HC: < 5ppb	3.8 SLPM	18 SLPM***	NO	200 PSIG / 13.8 Bar	5 cm x 35cm	1/8" Brass Compression	17-202287D-B
							1/8" Stainless Steel Compression	17-202287D-SS
							1/4" Brass Compression	17-202288D-B
							1/4" Stainless Steel Compression	17-202288D-SS
						5 cm x 41cm (35 cm w/o Fittings)	1/8" Brass Quick Connect	17-202287D-B-QC
							1/8" Stainless Steel Quick Connect	17-202287D-SS-QC
							1/4" Brass Quick Connect	17-202288D-B-QC
							1/4" Stainless Steel Quick Connect	17-202288D-SS-QC

750cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 35.9g HC:** 33.1g	H ₂ O: < 20ppb HC: < 5ppb	5.8 SLPM	29 SLPM***	NO	200 PSIG / 13.8 Bar	5 cm x 50cm	1/8" Brass Compression	17-202287XL-B
							1/8" Stainless Steel Compression	17-202287XL-SS
							1/4" Brass Compression	17-202288XL-B
							1/4" Stainless Steel Compression	17-202288XL-SS
						5 cm x 56cm (50 cm w/o Fittings)	1/8" Brass Quick Connect	17-202287XL-B-QC
							1/8" Stainless Steel Quick Connect	17-202287XL-SS-QC
							1/4" Brass Quick Connect	17-202288XL-B-QC
							1/4" Stainless Steel Quick Connect	17-202288XL-SS-QC

* Water capacity based on an inlet moisture concentration of 200ppmv

** Hydrocarbons heavier than C4

*** For high flow applications contact: info@greyhoundchrom.com

ZPure HC Filters - Metal

The ZPure HC Filter will remove hydrocarbons heavier than butane from inert gases, He, Ar, N₂, H₂ and clean dry air (CDA) to low ppb levels. It is also recommended for most applications that require hydrocarbon-free gas and is available in 4 sizes of stainless steel cylinders ranging from 130cc to 750cc.



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
HC:* 11g	HC: < 5ppb	1 SLPM	10 SLPM**	NO	1000 PSIG / 68.9 Bar	3.2cm x 28cm	1/8" Brass Compression	17-202232-B
							1/8" Stainless Steel Compression	17-202232-SS
							1/4" Brass Compression	17-202233-B
							1/4" Stainless Steel Compression	17-202233-SS
					200 PSIG / 13.8 Bar	3.2cm x 34cm (28 cm w/o Fittings)	1/8" Brass Quick Connect	17-202232-B-QC
							1/8" Stainless Steel Quick Connect	17-202232-SS-QC
							1/4" Brass Quick Connect	17-202233-B-QC
					150 PSIG / 10.3 Bar	3.2cm x 25.5cm	1/4" Stainless Steel Quick Connect	17-202233-SS-QC
							1/4" Nickel Plated Brass Push-To-Connect	17-202232-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202232-6-PC

475cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
HC:* 42g	HC: < 5ppb	3.7 SLPM	36 SLPM**	NO	1000 PSIG / 68.9 Bar	3.8cm x 57cm	1/8" Brass Compression	17-202232L-B
							1/8" Stainless Steel Compression	17-202232L-SS
							1/4" Brass Compression	17-202233L-B
							1/4" Stainless Steel Compression	17-202233L-SS
					200 PSIG / 13.8 Bar	3.8cm x 63cm (57 cm w/o Fittings)	1/8" Brass Quick Connect	17-202232L-B-QC
							1/8" Stainless Steel Quick Connect	17-202232L-SS-QC
							1/4" Brass Quick Connect	17-202233L-B-QC
					150 PSIG / 10.3 Bar	3.8cm x 54cm	1/4" Stainless Steel Quick Connect	17-202233L-SS-QC
							1/4" Nickel Plated Brass Push-To-Connect	17-202232L-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202232L-6-PC

* Hydrocarbons heavier than C4

** For high flow applications, contact sales@greyhoundchrom.com

500cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
HC:* 44g	HC: < 5ppb	3.8 SLPM	38 SLPM**	NO	200 PSIG / 13.8 Bar	5cm x 35cm	1/8" Brass Compression	17-202232D-B
							1/8" Stainless Steel Compression	17-202232D-SS
							1/4" Brass Compression	17-202233D-B
							1/4" Stainless Steel Compression	17-202233D-SS
						5cm x 41cm (35cm w/o Fittings)	1/8" Brass Quick Connect	17-202232D-B-QC
							1/8" Stainless Steel Quick Connect	17-202232D-SS-QC
							1/4" Brass Quick Connect	17-202233D-B-QC
							1/4" Stainless Steel Quick Connect	17-202233D-SS-QC
					150 PSIG / 10.3 Bar	5cm x 33cm	1/4" Nickel Plated Brass Push-To-Connect	17-202232D-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202232D-6-PC

750cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
HC:* 66g	HC: < 5ppb	5.8 SLPM	57 SLPM**	NO	200 PSIG / 13.8 Bar	5cm x 50cm	1/8" Brass Compression	17-202232XL-B
							1/8" Stainless Steel Compression	17-202232XL-SS
							1/4" Brass Compression	17-202233XL-B
							1/4" Stainless Steel Compression	17-202233XL-SS
						5cm x 56cm (35 cm w/o Fittings)	1/8" Brass Quick Connect	17-202232XL-B-QC
							1/8" Stainless Steel Quick Connect	17-202232XL-SS-QC
							1/4" Brass Quick Connect	17-202233XL-B-QC
							1/4" Stainless Steel Quick Connect	17-202233XL-SS-QC
					150 PSIG / 10.3 Bar	5cm x 47.5cm	1/4" Nickel Plated Brass Push-To-Connect	17-202232XL-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202232XL-6-PC

* Hydrocarbons heavier than C4

** For high flow applications, contact sales@greyhoundchrom.com

ZPure H₂O Filters - Metal

The ZPure H₂O Filter removes water 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 130cc to 750cc.



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 12g	H ₂ O: < 20ppb	1 SLPM	10 SLPM**	NO	1000 PSIG / 68.9 Bar	3.2cm x 28cm	1/8" Brass Compression	17-202230-B
							1/8" Stainless Steel Compression	17-202230-SS
							1/4" Brass Compression	17-202231-B
							1/4" Stainless Steel Compression	17-202231-SS
					200 PSIG / 13.8 Bar	3.2cm x 34cm (28cm w/o Fittings)	1/8" Brass Quick Connect	17-202230-B-QC
							1/8" Stainless Steel Quick Connect	17-202230-SS-QC
							1/4" Brass Quick Connect	17-202231-B-QC
					150 PSIG / 10.3 Bar	3.2cm x 25.5cm	1/4" Stainless Steel Quick Connect	17-202231-SS-QC
							1/4" Nickel Plated Brass Push-To-Connect	17-202230-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202230-6-PC

475cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 45g	H ₂ O: < 20ppb	3.7 SLPM	36 SLPM**	NO	1000 PSIG / 68.9 Bar	3.8cm x 57cm	1/8" Brass Compression	17-202230L-B
							1/8" Stainless Steel Compression	17-202230L-SS
							1/4" Brass Compression	17-202231L-B
							1/4" Stainless Steel Compression	17-202231L-SS
					200 PSIG / 13.8 Bar	3.8cm x 63cm (57cm w/o Fittings)	1/8" Brass Quick Connect	17-202230L-B-QC
							1/8" Stainless Steel Quick Connect	17-202230L-SS-QC
							1/4" Brass Quick Connect	17-202231L-B-QC
					100 PSIG / 10.3 Bar	3.8cm x 54.5cm	1/4" Stainless Steel Quick Connect	17-202231L-SS-QC
							1/4" Nickel Plated Brass Push-To-Connect	17-202230L-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202230L-6-PC

* Hydrocarbons heavier than C₄

** For high flow applications, contact sales@greyhoundchrom.com

500cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 48g	H ₂ O: < 20ppb	3.8 SLPM	38 SLPM**	NO	200 PSIG / 13.8 Bar	5cm x 35cm	1/8" Brass Compression	17-202230D-B
							1/8" Stainless Steel Compression	17-202230D-SS
							1/4" Brass Compression	17-202231D-B
							1/4" Stainless Steel Compression	17-202231D-SS
						5cm x 41cm (35cm w/o Fittings)	1/8" Brass Quick Connect	17-202230D-B-QC
							1/8" Stainless Steel Quick Connect	17-202230D-SS-QC
							1/4" Brass Quick Connect	17-202231D-B-QC
							1/4" Stainless Steel Quick Connect	17-202231D-SS-QC
					150 PSIG / 10.3 Bar	5cm x 33cm	1/4" Nickel Plated Brass Push-To-Connect	17-202230D-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202230D-6-PC

750cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O:* 72g	H ₂ O: < 20ppb	5.8 SLPM	57 SLPM**	NO	200 PSIG / 13.8 Bar	5cm x 50cm	1/8" Brass Compression	17-202230XL-B
							1/8" Stainless Steel Compression	17-202230XL-SS
							1/4" Brass Compression	17-202231XL-B
							1/4" Stainless Steel Compression	17-202231XL-SS
						5cm x 56cm 50cm w/o Fittings)	1/8" Brass Quick Connect	17-202230XL-B-QC
							1/8" Stainless Steel Quick Connect	17-202230XL-SS-QC
							1/4" Brass Quick Connect	17-202231XL-B-QC
							1/4" Stainless Steel Quick Connect	17-202231XL-SS-QC
					100 PSIG / 10.3 Bar	5cm x 47.5cm	1/4" Nickel Plated Brass Push-To-Connect	17-202230XL-4-PC
							6 mm Nickel Plated Brass Push-To-Connect	17-202230XL-6-PC

* Hydrocarbons heavier than C₄

** For high flow applications, contact sales@greyhoundchrom.com

ZPure CO₂ Filters - Metal

The ZPure CO₂ Filter removes carbon dioxide 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 highly critical applications consideration should be given to using an additional moisture trap after the CO₂ Filter as a safety measure.

It is available in 4 sizes of stainless steel cylinders ranging from 130cc to 750cc.



130cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
CO ₂ : 13g	CO ₂ : < 5ppb	650cc/min	Enquire	HAZARDOUS UN1823	1000 PSIG / 68.9 Bar	3.2cm x 28cm	1/8" Brass Compression	17-202212-B
							1/8" Stainless Steel Compression	17-202212-SS
							1/4" Brass Compression	17-202213-B
							1/4" Stainless Steel Compression	17-202213-SS
					200 PSIG / 13.8 Bar	3.2cm x 34cm (28cm w/o Fittings)	1/8" Brass Quick Connect	17-202212-B-QC
							1/8" Stainless Steel Quick Connect	17-202212-SS-QC
							1/4" Brass Quick Connect	7-202213-B-QC
							1/4" Stainless Steel Quick Connect	17-202213-SS-QC

475cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
CO ₂ : 47g	CO ₂ : < 5ppb	2.5 SLPM	Enquire	HAZARDOUS UN1823	1000 PSIG / 68.9 Bar	3.8cm x 57cm	1/8" Brass Compression	17-202212L-B
							1/8" Stainless Steel Compression	17-202212L-SS
							1/4" Brass Compression	17-202213L-B
							1/4" Stainless Steel Compression	17-202213L-SS
					200 PSIG / 13.8 Bar	3.8cm x 63cm (57cm w/o Fittings)	1/8" Brass Quick Connect	17-202212L-B-QC
							1/8" Stainless Steel Quick Connect	17-202212L-SS-QC
							1/4" Brass Quick Connect	17-202213L-B-QC
							1/4" Stainless Steel Quick Connect	17-202213L-SS-QC

500cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
CO ₂ : 50g	CO ₂ : < 5ppb	2.5 SLPM	Enquire	HAZARDOUS UN1823	200 PSIG / 13.8 Bar	5cm x 35cm	1/8" Brass Compression	17-202212D-B
							1/8" Stainless Steel Compression	17-202212D-SS
							1/4" Brass Compression	17-202213D-B
							1/4" Stainless Steel Compression	17-202213D-SS
						5cm x 41cm (35cm w/o Fittings)	1/8" Brass Quick Connect	17-202212D-B-QC
							1/8" Stainless Steel Quick Connect	17-202212D-SS-QC
							1/4" Brass Quick Connect	7-202213D-B-QC
							1/4" Stainless Steel Quick Connect	17-202213D-SS-QC

750cc

Capacity	Efficiency	Nominal Flow Rate	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
CO ₂ : 60g	CO ₂ : < 5ppb	4 SLPM	Enquire	HAZARDOUS UN1823	200 PSIG / 13.8 Bar	5cm x 50cm	1/8" Brass Compression	17-202212XL-B
							1/8" Stainless Steel Compression	17-202212XL-SS
							1/4" Brass Compression	17-202213XL-B
							1/4" Stainless Steel Compression	17-202213XL-SS
						5cm x 56cm (50cm w/o Fittings)	1/8" Brass Quick Connect	17-202212XL-B-QC
							1/8" Stainless Steel Quick Connect	17-202212XL-SS-QC
							1/4" Brass Quick Connect	17-202213XL-B-QC
							1/4" Stainless Steel Quick Connect	17-202213XL-SS-QC

Model 1000 O₂ Purifier - Metal

The Model 1000, O₂ high capacity oxygen purifier is for long term protection of capillary column stationary phases against oxidation at GC operating temperatures. It is also recommended for packed column carrier gases.

It has a capacity of 2.5 litres of oxygen at room temperature and is also effective for removing sulfur compounds, such as hydrogen sulfide and mercaptans. The Model 1000 is intended for use with non-oxidizing gases such as He, Ar, N₂, H₂ or CH₄, containing less than 1% oxygen. It will remove oxygen to below 70 ppb from these gases at flow rates normally encountered in GC operation.

The Model 1000 Oxygen Purifier is a high-pressure nickel plated steel cylinder filled with 500cc of active oxygen adsorbent. The adsorbent binds covalently with oxygen; no gas is generated from this reaction. It is delivered in the active state, filled with high-purity helium. It is ready for use, but we recommend that the purifier be purged with the gas you will be using.



500cc

Capacity	Efficiency	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
O ₂ : 2500cc	O ₂ : < 10 ppb	10 SLPM	HAZARDOUS UN3190	1000 PSIG / 68.9 Bar	5cm x 36cm	1/8" Nickel Plated Brass	17-202200-B
						1/4" Nickel Plated Brass	17-202202-B

Model 500 H₂O Purifier - Metal

500cc of molecular sieve 5A in this nickel plated steel purifier reduces moisture to less than 1 ppm at most instrument flow rates of 2 L/min. Internal 20µm frits at each end prevent particle contamination of your instruments. The Model 500 will remove water from over 20 standard cylinders of compressed air.

The purifier can be regenerated by baking under helium flow at 200°C for 4 hours, venting to the hood. It is shipped filled with high-purity helium.



500cc

Capacity	Efficiency	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 47g	H ₂ O: < 20 ppb	10 SLPM	NO	1000 PSIG / 68.9 Bar	5cm x 36cm	1/8" Nickel Plated Brass	17-202270-B
						1/4" Nickel Plated Brass	17-202272-B

Gas Dry H₂O Indicating Purifier

The Gas Dry Purifier is a moisture and dust purifier suitable for drying laboratory air or central air supplies. It has a high-strength polycarbonate body with aluminum end caps and standard brass or stainless steel compression fittings. The purifier is filled with Molecular Sieve and CoFree™ moisture indicator. The CoFree changes from greenish-yellow to blue at low relative humidity to warn of leaks in the gas stream.

For applications requiring very high levels of purity we recommend using one of the chromatography-grade gas purifiers, such as the ZPure Glass Moisture purifier (17-202234-B or 17-202235-B) or the ZPure H₂O Purifier (17-202230-B, 17-202231-B, 17-202230-SS or 17-202231-SS) if no visual indicator is required.

**Not recommended for Hydrogen use.*



88cc

Capacity	Efficiency	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 8g	H ₂ O: < 1ppm	10 SLPM	NO	100 PSIG / 6.9 Bar	3.5cm x 26cm	1/8" Brass Compression Fittings	17-202238-B
						1/8" Stainless Steel Compression Fittings	17-202238-SS
						1/4" Brass Compression Fittings	17-202239-B
						1/4" Stainless Steel Compression Fittings	17-202239-SS



116cc

Capacity	Efficiency	Maximum Flow Rate	Hazardous Shipping	Max Pressure	Approximate Dimensions	Fitting Type	Part Number
H ₂ O: 11g	H ₂ O: < 1ppm	10 SLPM	NO	100 PSIG / 6.9 Bar	3.5cm x 33cm	1/8" Brass Compression Fittings	17-202238L-B
						1/8" Stainless Steel Compression Fittings	17-202238L-SS
						1/4" Brass Compression Fittings	17-202239L-B
						1/4" Stainless Steel Compression Fittings	17-202239L-SS

Mounting Kits for Gas Purifiers

Part Number	Description
17-205705	Mounting Kit for ZPure Glass Purifiers - 3.8cm dia.
17-205706	Mounting Kit for Metal Cylinder Purifiers - 5cm dia.



Refill Kits

Product	Part Number
Refill Kit - Processed Activated Carbon 500cc	17-202243
Refill Kit - Molecular Sieve 500cc	17-202245
Refill Kit - CoFree Indicator 500cc	17-202247
Refill Kit - 350cc Molecular Sieve + 120cc CoFree Indicator	17-202298



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ZPure™ Gas Purifiers Filters and Traps

Greyhound Chromatography
and Allied Chemicals

6 Kelvin Park, Birkenhead,
Merseyside CH41 1LT
United Kingdom

Tel: (+44)-0-151 649 4000
Fax: (+44)-0-151 649 4001

www.greyhoundchrom.com

