

ZPure™ Glass Purifiers & Filters



ZPure™ Glass Indicating Purifiers and Filters



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

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



Compression Fittings : Seals well and can be broken and re-tightened 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.



Co Free™ Adsorbent:
Top: Full Capacity; Bottom: Depleted.

Gas Purifiers & Filters

ZPure™ O₂ Filters

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**.

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.



	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Gases to be Purified	Approximate Dimensions	Fitting Type	Part Number
10 cc	O ₂ : 45 cc	< 5 ppb	200 mL/min	2 SLPM	HAZARDOUS UN3190	6.9 bar / 100 psi	Inert Carrier Gas, He, N ₂ , H ₂ , Ar	3.8 cm x 26.3 cm	1/8" Brass Compression Fittings	202236-B
									1/8" Stainless Steel Compression Fittings	202236-SS
									1/4" Brass Compression Fittings	202237-B
									1/4" Stainless Steel Compression Fittings	202237-SS
								3.8 cm x 33 cm (26.8 cm w/o adapters)	1/8" Brass Quick Connect Fittings	202236-B-QC
									1/8" Stainless Steel Quick Connect Fittings	202236-SS-QC
									1/4" Brass Quick Connect Fittings	202237-B-QC
									1/4" Stainless Steel Quick Connect Fittings	202237-SS-QC

ZPure™ H₂O HSMI Filters

The ZPure H₂O HSMI Filter is for applications requiring high efficiency moisture removal. The high sensitivity indicator signals breakthrough at 1 ppm water 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.



	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Gases to be Purified	Approximate Dimensions	Fitting Type	Part Number
46 cc	H ₂ O: 6 g	< 20 ppb	200 mL/min	2 SLPM	NO	6.9 bar / 100 psi	Inert Carrier Gas, He, N ₂ , H ₂ , Ar, Air	3.8 cm x 26.3 cm	1/8" Brass Compression Fittings	202283-B
									1/8" Stainless Steel Compression Fittings	202283-SS
									1/4" Brass Compression Fittings	202284-B
									1/4" Stainless Steel Compression Fittings	202284-SS
								3.8 cm x 33 cm (26.8 cm w/o adapter)	1/8" Brass Quick Connect Fittings	202283-B-QC
									1/8" Stainless Steel Quick Connect Fittings	202283-SS-QC
									1/4" Brass Quick Connect Fittings	202284-B-QC
									1/4" Stainless Steel Quick Connect Fittings	202284-SS-QC



ZPure™ H₂O Filters

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

	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Gases to be Purified	Approximate Dimensions	Fitting Type	Part Number
46 cc	H ₂ O: 6 g	< 20 ppb	200 mL/min	2 SLPM	NO	6.9 bar / 100 psi	Inert Carrier Gas, He, N ₂ , H ₂ , Ar, Air	3.8 cm x 26.3 cm	1/8" Brass Compression Fittings	202234-B
									1/8" Stainless Steel Compression Fittings	202234-SS
									1/4" Brass Compression Fittings	202235-B
									1/4" Stainless Steel Compression Fittings	202235-SS
								3.8 cm x 33 cm (26.8 cm w/o adapter)	1/8" Brass Quick Connect Fittings	202234-B-QC
									1/8" Stainless Steel Quick Connect Fittings	202234-SS-QC
									1/4" Brass Quick Connect Fittings	202235-B-QC
									1/4" Stainless Steel Quick Connect Fittings	202235-SS-QC



ZPure™ H₂O/HC Filters

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**.

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.

	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Gases to be Purified	Approximate Dimensions	Fitting Type	Part Number
46 cc	H ₂ O: 3 g HC: 2 g	H ₂ O: < 20 HC: < 5	200 mL/min	2 SLPM	NO	6.9 bar / 100 psi	Inert Carrier Gas, He, N ₂ , H ₂ , Ar, Air	3.8 cm x 26.3 cm	1/8" Brass Compression Fittings	202256-B
									1/8" Stainless Steel Compression Fittings	202256-SS
									1/4" Brass Compression Fittings	202257-B
									1/4" Stainless Steel Compression Fittings	202257-SS
								3.8 cm x 33 cm (26.8 cm w/o adapter)	1/8" Brass Quick Connect Fittings	202256-B-QC
									1/8" Stainless Steel Quick Connect Fittings	202256-SS-QC
									1/4" Brass Quick Connect Fittings	202257-B-QC
									1/4" Stainless Steel Quick Connect Fittings	202257-SS-QC



ZPure™ PolyGas I Purifiers

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 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.

	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Gases to be Purified	Approximate Dimensions	Fitting Type	Part Number
38 CC	O ₂ : 80 cc H ₂ O: 1.4 g HC: 1.0 g	O ₂ : < 5 H ₂ O: < 20 HC: < 5	200 mL/min	400 mL/min*	NO	6.9 bar / 100 psi	Inert Carrier Gas, He, N ₂ , H ₂ , Ar	3.8 cm x 26.3 cm	1/8" Brass Compression Fittings	202314-B
									1/8" Stainless Steel Compression Fittings	202314-SS
									1/4" Brass Compression Fittings	202315-B
									1/4" Stainless Steel Compression Fittings	202315-SS
								3.8 cm x 33 cm (26.8 cm w/o adapter)	1/8" Brass Quick Connect Fittings	202314-B-QC
									1/8" Stainless Steel Quick Connect Fittings	202314-SS-QC
									1/4" Brass Quick Connect Fittings	202315-B-QC
									1/4" Stainless Steel Quick Connect Fittings	202315-SS-QC



ZPure™ PolyGas II Purifiers

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 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.

	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Gases to be Purified	Approximate Dimensions	Fitting Type	Part Number
38 CC	H ₂ O: 1.9 g HC: 1.8 g	H ₂ O: < 20 HC: < 5	200 mL/min	400 mL/min*	NO	6.9 bar / 100 psi	Inert Carrier Gas, He, N ₂ , H ₂ , Ar, Air	3.8 cm x 26.3 cm	1/8" Brass Compression Fittings	202318-B
									1/8" Stainless Steel Compression Fittings	202318-SS
									1/4" Brass Compression Fittings	202319-B
									1/4" Stainless Steel Compression Fittings	202319-SS
								3.8 cm x 33 cm (26.8 cm w/o adapter)	1/8" Brass Quick Connect Fittings	202318-B-QC
									1/8" Stainless Steel Quick Connect Fittings	202318-SS-QC
									1/4" Brass Quick Connect Fittings	202319-B-QC
									1/4" Stainless Steel Quick Connect Fittings	202319-SS-QC

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