

The Advanced Filter System Purifier



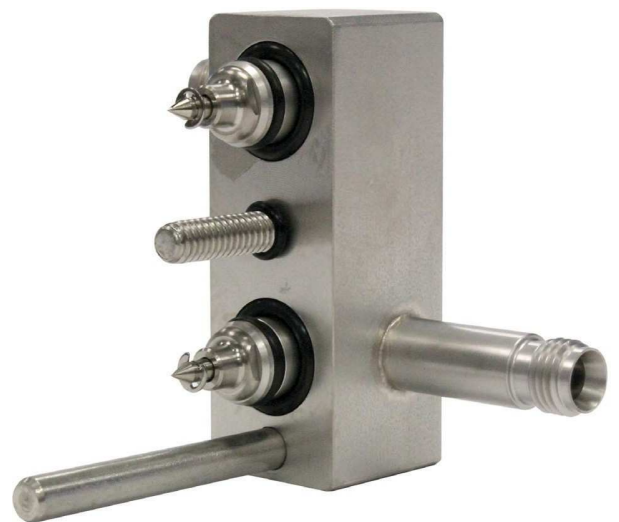


A high-capacity gas purifying system designed to reduce contaminants in gases commonly used in laboratory applications to low-ppb levels.

- Aluminum body with dual seals throughout
- Assembly knob for easy cartridge installation and replacement
- Sight glass with indicating adsorbent(s)

Advanced Manifold Design

- Wall or bench mounted manifold
- Vacuum brazed: 1 piece, no internal seals
- Stainless steel body with stainless steel fittings
- Guide bar for cartridge positioning
- Pointed center pins pierce the cartridge seals during filter assembly and also act as check valves to protect the gas lines during cartridge installation and replacement.

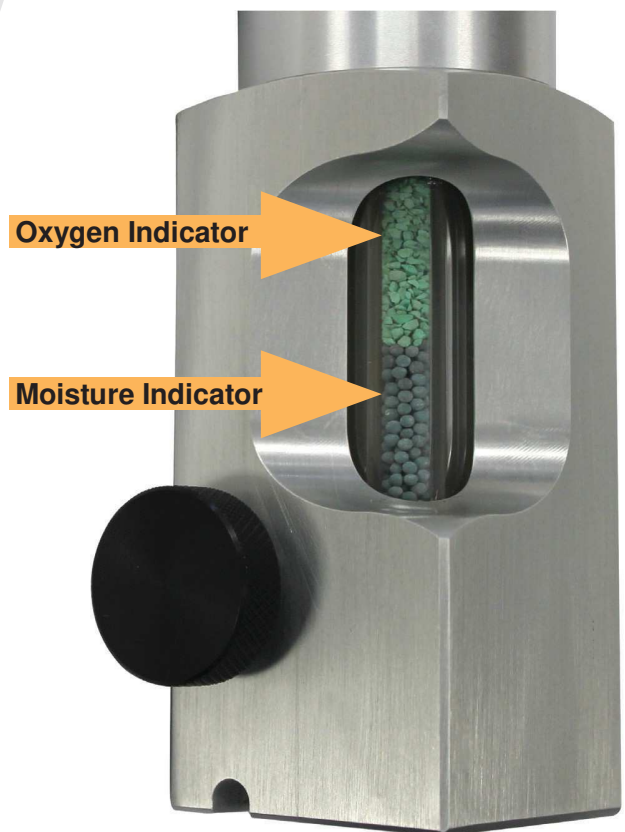


Indicators

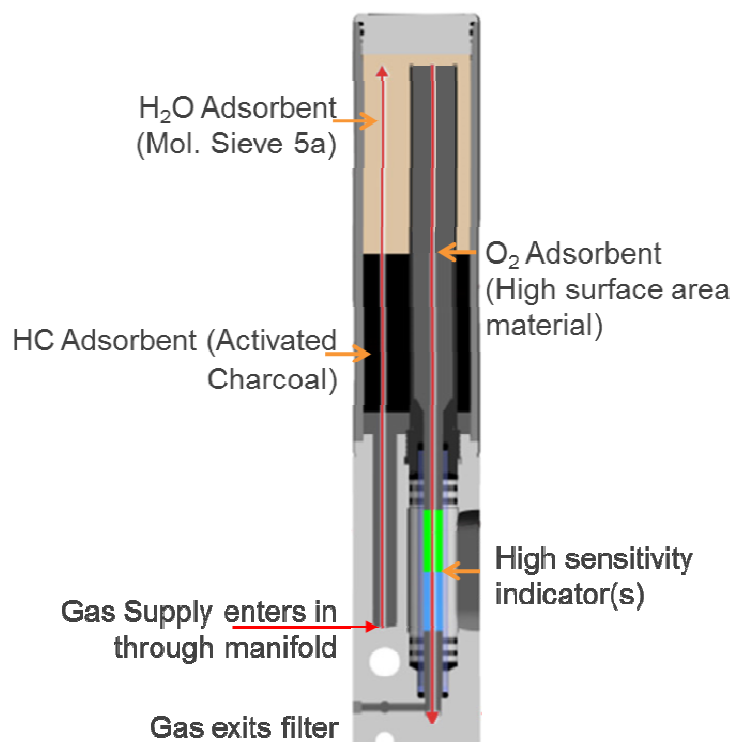
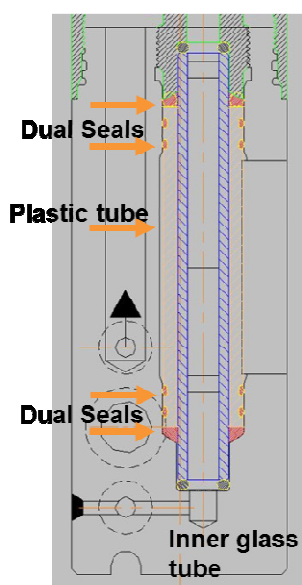
When cartridge is depleted:

Oxygen indicator changes from **GREEN** to **GREY**.

Moisture indicator changes from **BLUE** to **BROWN**



Gas flow path contacts only metals, glass, fluoro-elastomer seals and adsorbents



The AFS has a rugged construction with important safety features. If the inner glass tube should break, the gas stream will still be sealed within the surrounding polycarbonate tube.



If the competitor glass tube breaks, there is no safety measure in place to prevent the escape of hazardous gases.

Easily mounts on lab bench and connects to gas lines from existing configurations



Optional Bench Mounts without screws

Make sure to clean the area on bench thoroughly, before placing the bracket in place.

Note: Tape mounting is not intended for wall use.



AFS Purifiers

A high-capacity gas purifying system that removes contaminants from inert gases and hydrogen. The AFS Purifiers can be expected to supply multiple GC Installations for an extended period of time depending on the laboratory environment. The 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.

AFS I

500 cc	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Approximate Dimensions	Fitting Type	Part Number
	O ₂ : 850 cc H ₂ O*: 12 g HC**: 8 g	O ₂ : < 5 ppb H ₂ O: < 20 ppb HC: < 5 ppb	0.5 SLPM	2 SLPM†	Small Quantity Exception	13.8 bar / 200 psi	30 x 5 x 5 cm	1/8" Fittings	202900
								1/4" Fittings	202902
								Replacement Cartridge	202910
								Reconditioned Cartridge	202920

AFS II

500 cc	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Approximate Dimensions	Fitting Type	Part Number
	H ₂ O*: 8.8 g HC**: 13 g	H ₂ O: < 20 ppb HC: < 5 ppb	0.5 SLPM	2 SLPM†	NO	13.8 bar / 200 psi	30 x 5 x 5 cm	1/8" Fittings	202903
								1/4" Fittings	202904
								Replacement Cartridge	202950
								Reconditioned Cartridge	202930

AFS III

500 cc	Capacity	Efficiency	Nominal Flow Rate	Max Recommended Flow Rate	Hazardous Shipping	Max. Pressure	Approximate Dimensions	Fitting Type	Part Number
	H ₂ O*: 22 g	< 20 ppb	0.5 SLPM	2 SLPM†	NO	13.8 bar / 200 psi	30 x 5 x 5 cm	1/8" Fittings	202905
								1/4" Fittings	202906
								Replacement Cartridge	202955
								Reconditioned Cartridge	202935

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

** Hydrocarbons (C5 and heavier); capacity based on 0.05 % pentane inlet concentration

† For high flow applications, info@gasreiniger.de