

Accessories | Advanced filter system

A high-capacity gas purifying system that can remove a combination of oxygen, moisture and hydrocarbons, (greater than C4) from inert gases and hydrogen.

Features and benefits

- Clean flow path (gas contacts only metal, glass and FKM seals).
- High capacity and efficiency in a single cartridge.
- Easy replacement with twist on/off assembly knob.
- Double seal construction for safety.
- Check valves protect gas lines during replacement.
- Hardware for wall or bench mount.
- Stainless steel fittings.

Recommended applications

GC and GC/MS carrier gas, ECD make up gas and ICP. The AFS purifiers can be expected to supply multiple installations for an extended period of time depending on the laboratory environment.



	Function	Capacity	Indicator color change	Outlet concentration at nominal flow rate	Nominal flow rate	Max recommended flow rate	Max pressure	Dimensions	Fittings
AFS I	Removes water, oxygen, and hydrocarbons	556 cc oxygen, 8 g water, 23 g hydrocarbons (depending on impurities)	Oxygen: From green to gray	Oxygen < 5 ppb	0.5 SLPM	2 SLPM	13.8 bar / 200 psi	30 cm x 5 cm x 5 cm	1/8" and 1/4" stainless steel fittings
AFS II	Removes water and hydrocarbons	8.8 g water 13 g hydrocarbons (depending on impurities)	Moisture: From blue to pale brown	Moisture < 20 ppb* Organics < 5 ppb**					
AFS III	Removes water	22 g water	Hydrocarbon: No indicator						

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

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

For more information about this product visit www.trajanscimed.com or contact techsupport@trajanscimed.com