

Advanced Filter System II (AFS II)

CRS

PURIFIERS

Description: The Advance Filter System II (AFS II) is a high capacity gas purifier that removes H₂O, and Hydrocarbons with (5 or more carbons) from inert gases, hydrogen, and dry air to low ppb levels. Common applications include gas chromatography (GC) and inductively-coupled plasma spectroscopy (ICP).

Because of its features of high capacity and robust construction, the AFS is suitable for installations requiring multiple instruments. AFS features a double sealing system that serves as a safeguard against gas leaks, keeping hazardous gases from escaping into the laboratory.

The AFS system requires installation of a stainless steel manifold to the gas line (options are ¼" or ½" standard compression fittings). Brackets and hardware are included to mount the manifold to the bench or wall. Once the manifold is installed the easily replaceable cartridge is attached to the manifold with a clamping knob.

The AFS II is strongly recommended for GC/FID testing platforms, for the dry air and hydrogen detector gas used for the FID detectors.



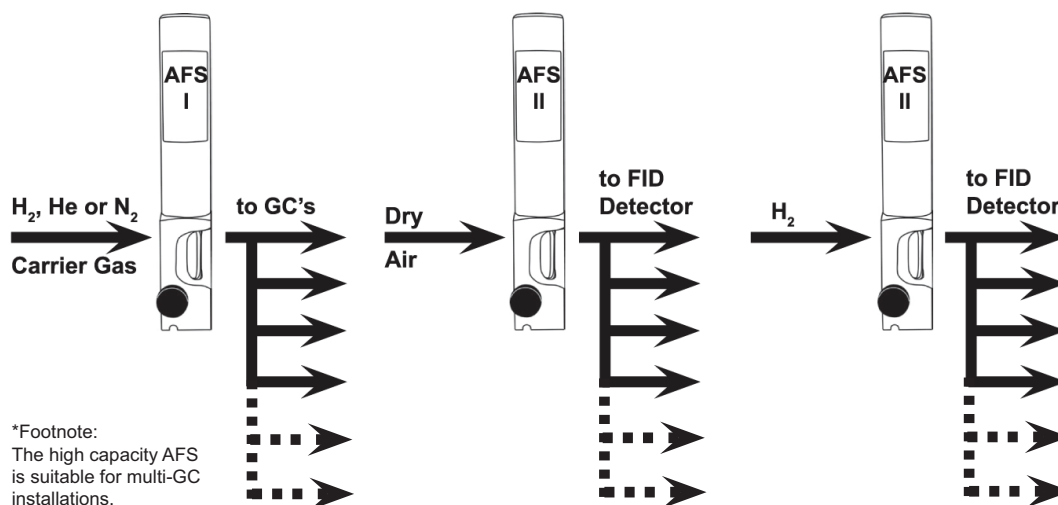
Design Features/Components

- Dual Sealing System (Safety)
- Assembled with Heavy Duty Components (Safety)
- Sensitive Visual Indicators (O₂ & H₂O)
- Simple Cartridge Replacement
- Stainless Steel Manifold Fittings
- 10 micron frits on cartridge
- 100% Helium leak tested
- Shipped filled with Helium

Applications

- Point of use purification Hydrogen FID gas used with the operation of GC/FID platforms
- Point of use purification of dry air FID gas used with the operation of GC/FID platforms
- Removal of H₂O and Hydrocarbons (5 or more carbons)

GC / FID



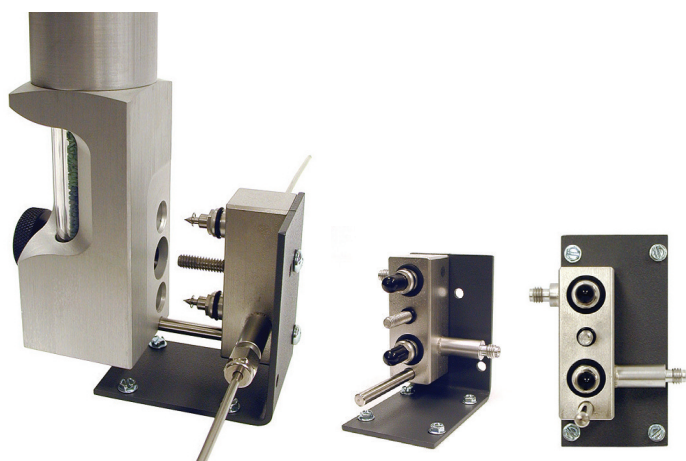
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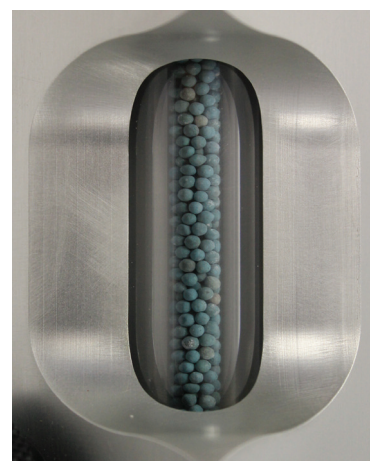
Advanced Filter System II (AFS II) Cont.

Materials of Constructions

	Manifold	Purifier Cartridge
Body:	Stainless Steel	Internal Structure: Stainless Steel inner tube, Borosilicate Glass, and Polycarbonate plastic
		External Structure: Aluminum (Anodized)
Fittings:	¼" & ½" Stainless Steel Fittings	N/A
O-Ring Seal	Fluoroelastomer	Fluoroelastomer



AFS Cartridge and Bench Mount Manifold Bench Mount Manifold Wall Mount Manifold
Easy to change cartridge. No tools required.



AFS II indicator, Moisture is the blue indicator that changes to light brown when depilated.

Specifications

Maximum Operating Pressure:	200 psi
Recommended Maximum Flow:	2 slpm
Source Gas:	H ₂ , Ar, N ₂ , He, O ₂ , dry air
Maximum Operating Temperature:	35°C
Efficiency:	H ₂ O - 20 ppb HC - 5 ppb (>C4)
H₂O Capacity:	12 g
HC Capacity:	8 g
Dimensions:	12 in. x 2 in. x 2 in.
Approximate Weight:	5.9 lbs.

Ordering Information

Product Number	Description	Compression Fittings
Y40-AFS28	Advanced Filter System II, Complete Kit	¼" Fittings
Y40-AFS24	Advanced Filter System II, Complete Kit	¼" Fittings
Y40-AFSRC2	Replacement Cartridge, Advanced Filter System II	
Y40-AFSFSM8	¼" Advanced Filter System Manifold	
Y40-AFSFSM4	¼" Advanced Filter System Manifold	