

# AFS Purifiers I & II



## Features:

- Clean flow path, gas contacts only metal, glass and FKM seals
- High capacity and efficiency in a single cartridge
- Easy cartridge replacement with twist on/off assembly knob
- Double seal construction for safety, especially when using hydrogen gas
- Check valves protect gas lines during cartridge replacement
- Hardware for wall or bench
- Stainless steel fittings
- Reconditioning program allows for recycling of cartridge

Both the AFS Purifier I and AFS Purifier II have very high capacity and can be expected to supply four GC's for at least one year when used with 99.995% pure gas supplies (provided reasonable care is taken during tank changes).

The recommended flow rate is 2 L/min and 200 psi maximum operating pressure.

## AFS Purifier I



Removes O<sub>2</sub>, H<sub>2</sub>O, and hydrocarbons, (>C4) from inert gases and hydrogen

- High-sensitivity oxygen and moisture indicators
- High capacity and efficiency for oxygen, water and hydrocarbons.

### Common applications for the AFS Purifier I include:

- GC and GC/MS carrier gas
- ECD make up gas
- ICP

## AFS Purifier II



Removes H<sub>2</sub>O and hydrocarbons, (>C4) from pure air, hydrogen and inert gas

- High-sensitivity moisture indicator
- Intended to reduce baseline noise in FID detection

### Common applications for the AFS Purifier II include:

- GC/FID testing platforms for detector gases



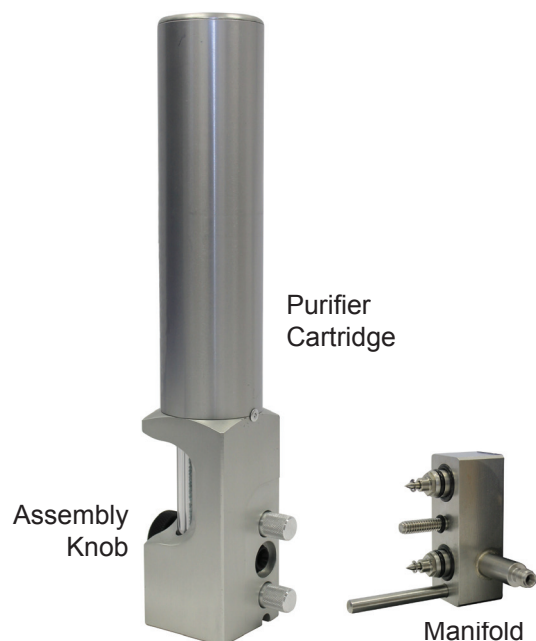
## Features of the AFS Purifiers

### Innovative Design

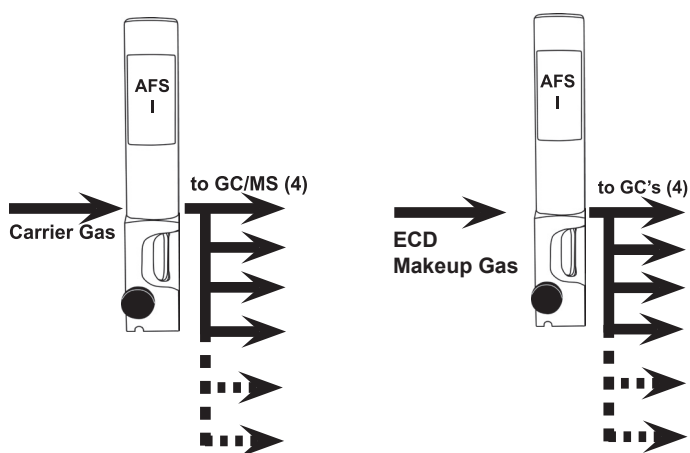
The two-part system includes a stainless steel manifold and a high capacity purifier cartridge.

The manifold mounts to a laboratory wall or bench with the brackets that are included in the installation kit and connects to the gas line with stainless steel compression fittings.

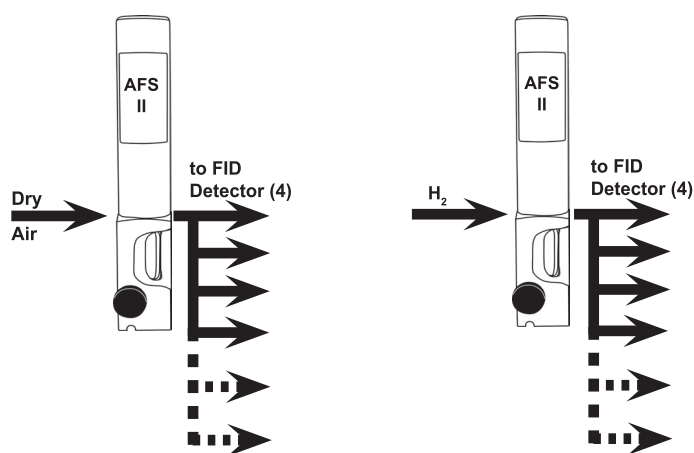
The cartridge easily attaches and detaches from the manifold with an assembly knob. To change the cartridge, simply twist the knob to disconnect the cartridge from the manifold and slide on a new cartridge. Twist the knob back for a tight, secure fit. Check valves close when the cartridge is removed.



### Use of AFS Purifier I to protect multiple carrier gas lines or multiple ECD detectors.



### Use of 2 AFS Purifier II's to protect multiple FID detectors.



Description	Item No.
AFS Purifier I, 1/8" Fittings	202900
AFS Purifier I, 1/4" Fittings	202902
AFS Purifier I Replacement Cartridge	202910
AFS Purifier I Reconditioned Cartridge	202920

Description	Item No.
AFS Purifier II, 1/8" Fittings	202903
AFS Purifier II, 1/4" Fittings	202904
AFS Purifier II Replacement Cartridge	202950
AFS Purifier II Reconditioned Cartridge	202930

