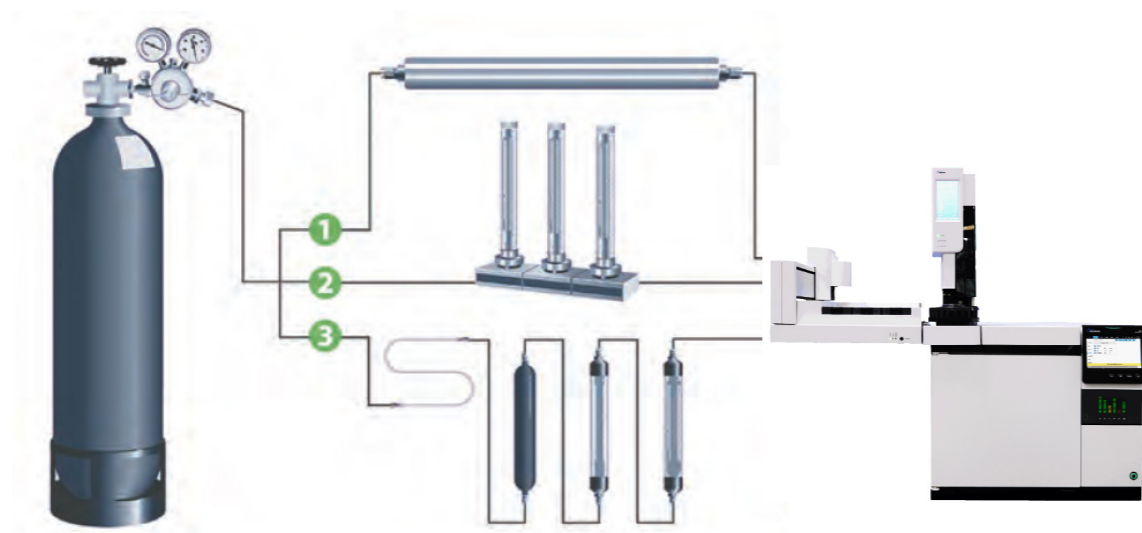


Gas Purifiers and Traps

Online gas purifiers (traps or filters) can remove common pollutants such as oxygen, moisture, and hydrocarbon compounds from the carrier gas for GC. Our GC gas purifiers have variety of sizes and configurations for you to choose from. For example, the combined gas trap can remove moisture, oxygen, and/or organic matter with a single trap. Purifying the carrier gas with oxygen and moisture traps can extend the lifespan of the chromatographic column and protect your instrument. Meanwhile, removing hydrocarbon compounds helps improve the detector baseline.

The materials filled inside those products are strictly tested. The check will ensure that even if the gas supply cylinder is of the 99.995% grade, the trap outlet can reach the "chromatographic grade" of 99.9999% for the carrier gas. For independent dedicated traps, you can select parts of different types and sizes for your own laboratory. Usually, all traps are available in 1/8" and 1/4" fitting sizes.



The large-capacity universal trap can provide a large trapping capacity (750 cc). It contains a super-large adsorbent material filled into a multi-layer column bed, purifying common pollutants in the carrier gas and detector gas to the level of 100 ppb. Vertically installing the large-capacity universal trap in front of the gas purification system can further increase the trapping capacity, which is very suitable for large-volume purification applications.

For a single device, users can choose the 200cc standard version of the purifier.

In addition to GC and GC/MS, Asicotech also provides large traps for other analytical techniques such as LC/MS and ICP-MS.



200cc Trap



750cc Universal Purifier

Big Universal Trap			
Description	1/8" Fitting	1/4" Fitting	Volume
Helium purifier	P7000-30007	P7000-34007	750cc
Hydrogen purifier	P7000-30008	P7000-34008	750cc
Nitrogen purifier	P7000-30006	P7000-34006	750cc
Air purifier	P7000-30001	P7000-34001	750cc
Nitrogen purifier for LC/MS apps	P7000-30106	P7000-34106	750cc

Mini Gas Trap			
Description	1/8" Fitting	1/4" Fitting	Volume
Moisture trap	M6000-62008	M6000-64008	200cc
Hydrocarbon trap	M6000-62006	M6000-64006	200cc
Oxygen trap	M6000-62007	M6000-64007	200cc
Hydrocarbon & Moisture trap & Hydrocarbon trap	P7000-30006	P7000-34006	750cc
Hydrocarbon & Moisture trap	M6000-30002	M6000-34002	200cc

SPECIFICATIONS:

Universal Trap(750cc) :	Universal Trap(200cc) :	Moisture Trap(200cc) :	HydroCarbon Trap(200cc) :
- 1.2L Oxygen	- 0.3L Oxygen	- 13g Water	- 6.5g HydroCarbon
- 50g Water	- 13g Water		
- 25g HydroCarbon	- 6.5g HydroCarbon		

Inlet Gas < 50ppm (better than 99.995%)					
Description	CO (ppb)	CO ₂ (ppb)	O ₂ (ppb)	H ₂ O (ppb)	Non-methane hydrocarbons (ppb)
Helium purifier	<1	<1	<1	<1	<3
Hydrogen purifier	<1	<1	<1	<1	<3
Air purifier				<1	<3
Nitrogen purifier	<1	<1	<1	<1	<3
Nitrogen purifier for LC/MS apps				<25	<25
Moisture trap				<1	
Hydrocarbon trap					<3
Oxygen trap			<1		