

Improving the Accuracy of Gas Analysis

Gas purification begins by determining the contaminants that need to be removed from the particular gas stream, levels to which the contaminants must be reduced, flow and pressure needs of the system, and the desired frequency of purifier change-out. Multiple purifiers may be necessary to remove the desired levels of contaminants to adequately protect the column and detector.

Gas Traps eliminate inaccurate results due to contaminated gases which are not suitable for the application and also prevents analyser down time as a result.

AGC Moisture Traps

The Molecular Sieve 5A efficiently removes moisture and heavy hydrocarbons from compressed air, electrolytically produced hydrogen, nitrogen, or other gases with high moisture or hydrocarbon content. Depending on the application three different traps are available with a 200cc, 750cc and an S-Trap which has an extended bed length for prolonged contact between the gas and the adsorbent and therefore provides greater working capacity.



Specifications

Volume	200 cc / 750 cc
Fitting Size	200 cc Tube: 1/8 inch Swagelok 750 cc Tube: 1/4 inch Swagelok
Dimensions	200 cc Trap: 26 1/4 in. (67 cm) long x 1 in. (2.5 cm) diameter
	750 cc Trap: 18 in. (45.7 cm) long x 2 3/8 in. (6 cm) diameter
	S-Trap: 7 1/2 in. (19 cm) long x 5 9/16 in. (14.1 cm) wide x 1/2 in. (13 mm) diameter [total bed length: 19 3/4 in. (50.2 cm)] [total bed length: 19 3/4 in. (50.2 cm);]
Capacity	200 cc Tube: 68 Standard Gas Cylinders
	750 cc Tube: 253 Standard Gas Cylinders
Maximum Inlet Pressure	250 psig / 17.2 bar
Carrier Gases Purified	He , Ar , H ₂ and many others
Contaminants Removed	H ₂ O

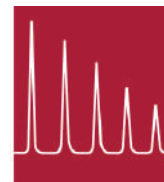
To discuss which part may be suitable for your application or for further information please contact:

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AGC Part Numbers

Description	Part Number
200 cc Trap	P-159
750 cc Trap	P-160
S Trap	P-161



AGC Hydrocarbon Traps

The AGC Hydrocarbon Trap provides a further means of efficiently removing organics from carrier gases, air and hydrogen. These traps have twice the trapping ability of activated charcoal and remove C3 and higher hydrocarbons from carrier gases such as He, H₂, N₂, Ar/CH₄ and Air.



Specifications

Volume	120 cc / 750 cc
Fitting Size	120 cc Tube: 1/8 inch Swagelok 750 cc Tube: 1/4 inch Swagelok
Dimensions	120 cc Trap: 11 1/8 in. (28.2 cm) long x 1 3/8 in. (35 mm) diameter
	750 cc Trap: 16 1/2 in. (41.9 cm) long x 2 5/16 in. (59 mm) diameter
	S-Trap: 7 1/2 in. (19 cm) long x 5 9/16 in. (14.1 cm) wide x 1/2 in. (13 mm) diameter [total bed length: 19 3/4 in. (50.2 cm) [total bed length: 19 3/4 in. (50.2 cm);]
Capacity	120 cc Tube: 16.5 Standard Gas Cylinders
	750 cc Tube: 110 Standard Gas Cylinders
Maximum Inlet Pressure	250 psig / 17.2 bar
Carrier Gases Purified	He, H ₂ , N ₂ , Ar/CH ₄ , Air
Contaminants Removed	C3 and higher Hydrocarbons



The options available are dependant on the analysis being undertaken. To discuss a wider range of purification options which part may be suitable for your application or for further information please contact:

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AGC Part Numbers

Description	Part Number
120 cc Trap	P-162
750 cc Trap	P-163
S Trap	P-164