

Varian Packed GC Column User Guide

Preconditioning

Heat the column 20 °C below the maximum temperature.

Accept: Molecular Sieve 5A and Molecular Sieve 13X column.

Heat the column from 30 °C to 300 °C at 0.5 °C/min.

Use a purified gas with a minimum flow of 20 mL/min.

Gas Purification

Be sure that your carrier gas is absolutely at ambient temperature. The use of Varian Gas Clean™ filters with indicators is strongly recommended. Varian Gas Clean filters are designed to prevent all types of contamination from causing damage to the column, loss of sensitivity and unnecessary instrument downtime. Varian's unique, high sensitivity indicators warn you if contaminants are present and when it is time to replace the filters.

Optimum Flow

Approximate flow as a relation of carrier gas and inside diameter.

ID	Nitrogen	Helium, Hydrogen
	mL/min	mL/min
2 mm	15	20
3 mm	20	25
4 mm	25	30

Ordering Information – Varian Gas Clean Filters

Description	Part No.
Varian Gas Clean Oxygen Filter	CP17970
Varian Gas Clean Moisture Filter	CP17971
Varian Gas Clean Charcoal Filter	CP17972
Varian Gas Clean GC/MS Filter	CP17973

North America

Europe: The Netherlands
Asia Pacific
Latin America

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