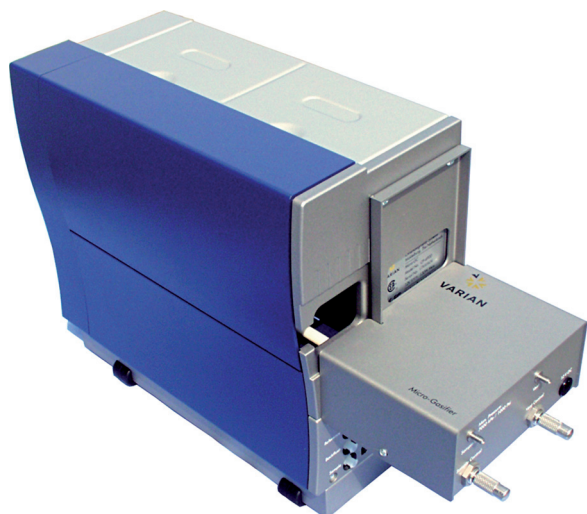


Varian Micro-Gasifier for Pressurized Samples



Varian's Micro-Gasifier is the solution for sample introduction of liquefied and high pressure gases into any Varian GC. The Micro-Gasifier is available for the CP-4900 Micro-GC, 450-GC and 430-GC.

The Micro-Gasifier provides controlled LPG (Liquid Petroleum Gas) and LNG (Liquefied Natural Gas) sample evaporation before the sample is introduced into the gas chromatographic injector for analysis. Also, high pressure gas samples can be reduced without creating cold spots, preventing discrimination in the sample.

Key Benefits

- ▶ Inject LPG and LNG as gases
- ▶ Controlled pressure reduction for high pressure samples
- ▶ Reproducible injections
- ▶ Stand alone for all GCs
- ▶ Fully integrated in the 450-GC
- ▶ Prevents sample discrimination

NOTICE: Varian, Inc. was acquired by Agilent Technologies in May 2010. This document is provided as a courtesy but is no longer kept current and thus will contain historical references to Varian. For more information, go to **www.agilent.com/chem**.



Agilent Technologies

Varian Micro-Gasifier for Pressurized Samples

The Micro-Gasifier's miniature vaporizing pressure regulator handles inlet pressures up to 1,000 psi/7,000 kPa. The vaporizing regulator temperature is factory set to 100 °C and the outlet pressure to 7.5 psi/0.5 kPa.

Depending on the GC model, the Micro-Gasifier is available in three versions. All versions deliver the same high performance. With Micro-Gasifier, liquefied and high pressure gases are converted into low pressure gas samples optimized for gas injection. The Varian Micro-Gasifier provides reproducible, operator-independent pressurized gas injections.

Specifications

- Operating temperature: 100–150 °C \pm 5 °C.
Default set at 100 °C
- Sample inlet pressure:
1000 psi/7000 kPa, maximum
- Repeatability: 1% RSD
- Sample concentration range:
50 ppm to 100%
- Sample carry-over: < 1% RSD, as measured with hexane
- Sample outlet pressure:
7.5 psi \pm 2.5 psi

CP-4900 Micro-GC Gasifier

- Size: 2.4 in./6.0 cm (h) x
5.6 in./14.0 cm (w) x
5.3 in./13.5 cm (d)

- Weight: 3.43 lb/1.5 kg

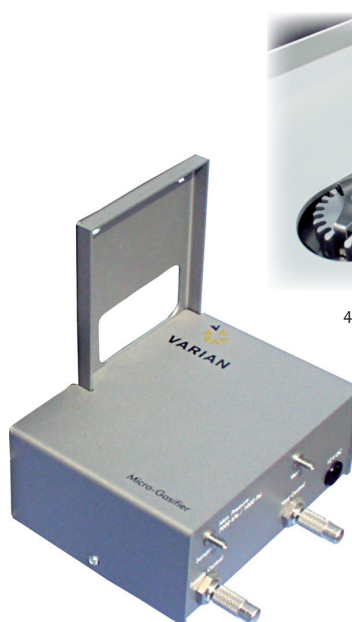
430-GC/450-GC GC Gasifier stand alone

- Size: 5.4 in./14 cm (h) x
5.8 in./14.5 cm (w) x
2.3 in./6.0 cm (d)

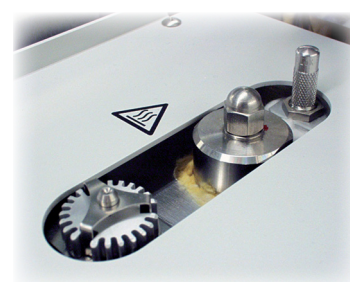
- Weight: 2.2 lb/1.0 kg

450-GC GC Gasifier integrated

- Requires a valve oven
- Requires a gas injection valve



CP-4900 Micro-GC Gasifier



450-GC Integrated Gasifier

Ordering Information

Product Description	Part number
CP-4900 Micro-GC Gasifier 110V, includes separate power supply	CP740431
CP-4900 Micro-GC Gasifier 220V, includes separate power supply	CP740432
CP-4900 Micro-GC Gasifier 240V, includes separate power supply	CP740433
430-GC/450-GC GC Gasifier 110V, includes separate power supply, and requires a gas injection valve	CP739805
430-GC/450-GC GC Gasifier 220V, includes separate power supply, and requires a gas injection valve	CP739806
430-GC/450-GC GC Gasifier 240V, includes separate power supply, and requires a gas injection valve	CP739807
450-GC Integrated Gasifier, requires a gas injection valve and a valve oven	CP740531

Varian, Inc.
www.varianinc.com
North America: 800.926.3000, 925.939.2400
Europe The Netherlands: 31.118.67.1000
Asia Pacific Australia: 613.9560.7133
Latin America Brazil: 55.11.3238.0400

Other sales offices and dealers throughout the world—
check our Web site.

