

Micro GC Fusion® Pressure Reducer and Genie® Filter

Introduction

The pressure reducer and gas-liquid separator (PN 952-033-G1) provides an interface to introduce sample gas to Micro GC Fusion. It consists of a metering needle valve, a rotameter and an integrated Genie membrane filter, all mounted on a single bracket for easy installation. The Genie filter removes small amounts of liquid droplets and particulates suspended in the gas sample, while maintaining a sample bypass flow and pressure reduction.

For high-pressure samples, the pressure reducer and gas-liquid separator reduce the pressure from up to 3,450 kPa (500 psi) down to ambient pressure. The rotameter can be set to a specific flow rate, ensuring a consistent delivery of sample.

The pressure reducer and gas-liquid separator ships with a set of five replacement Genie membrane filters (HDW-2170) and 1/16 in. sample tubing and fittings to provide an interface with Micro GC Fusion.



CAUTION

The gas-liquid separator filters out liquid droplets in a gas sample. It is not intended for liquid injections.



Specifications

Specification	
Sample inlet/outlet bypass vent	1/8 in. Swagelok®
Maximum input pressure	3,450 kPa (500 psi)
Minimum input pressure	Ambient
Output pressure to GC	Ambient
Maximum flow rate to GC	100 mL/min
Minimum flow rate to GC	20 mL/min