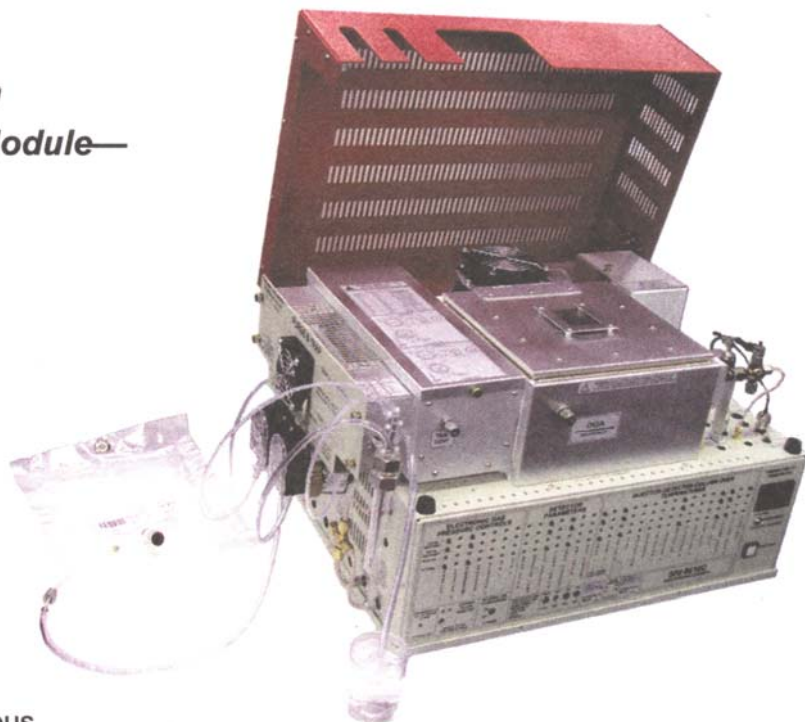


# Dissolved Gas Analyzer (DGA) GC System

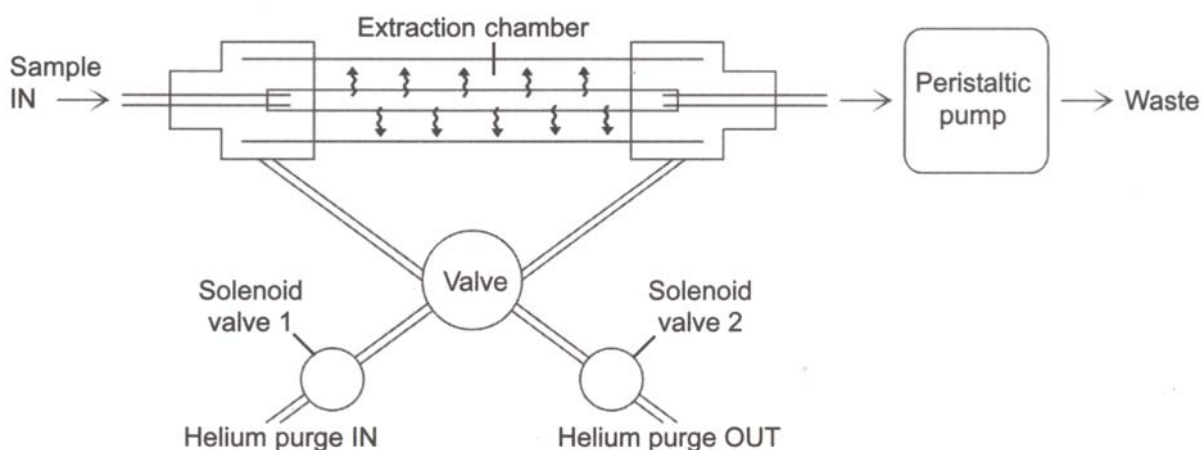
For measuring gases dissolved in water, seawater, wastewater, oil, and other liquids.

- **HID, FID and/or TCD Detectors**
- **Built-in PeakSimple Data System**
- **Built-in Standards Preparation Module—  
Make Your Own Standards**
- **10-port Gas Sampling Valve**
- **Gas Extraction Loop**
- **...on the compact 8610C chassis**



The DGA GC System from SRI is designed to make dissolved gas analysis easier and less expensive than other methods. No sample preparation is necessary prior to injection into the DGA GC; this helps to avoid contamination made possible by transferring the sample between various containers. The DGA GC may also be used online. For example, you could place the sample inlet tube directly into the ocean and analyze the dissolved gases in seawater.

In the SRI DGA GC, the sample is injected by peristaltic pump through a unique gas extraction loop. The gas extraction loop consists of permeation tubing encapsulated in a trap-heated glass tube. The permeation tubing is plumbed to the sample inlet, the 10-port gas sampling valve, and the waste/sample outlet.



When the sample is pumped through the gas extraction loop, the dissolved gases permeate through the membrane into the extraction chamber. Solenoid valves are included for purging the gas extraction loop with helium between runs.