

C32 Purge and Trap System

Purge and Trap Apparatus for use in Trapping Volatiles onto S.I.S.™ Desorption Tubes

- For use in isolation of pollutants in soil, sediment, and water
- Adapters available for trapping on S.I.S. GLT Desorption Tubes
- Available in 100 ml and 1000 ml capacities
- Outer water jacket to maintain sample temperature
- Constructed from borosilicate glass

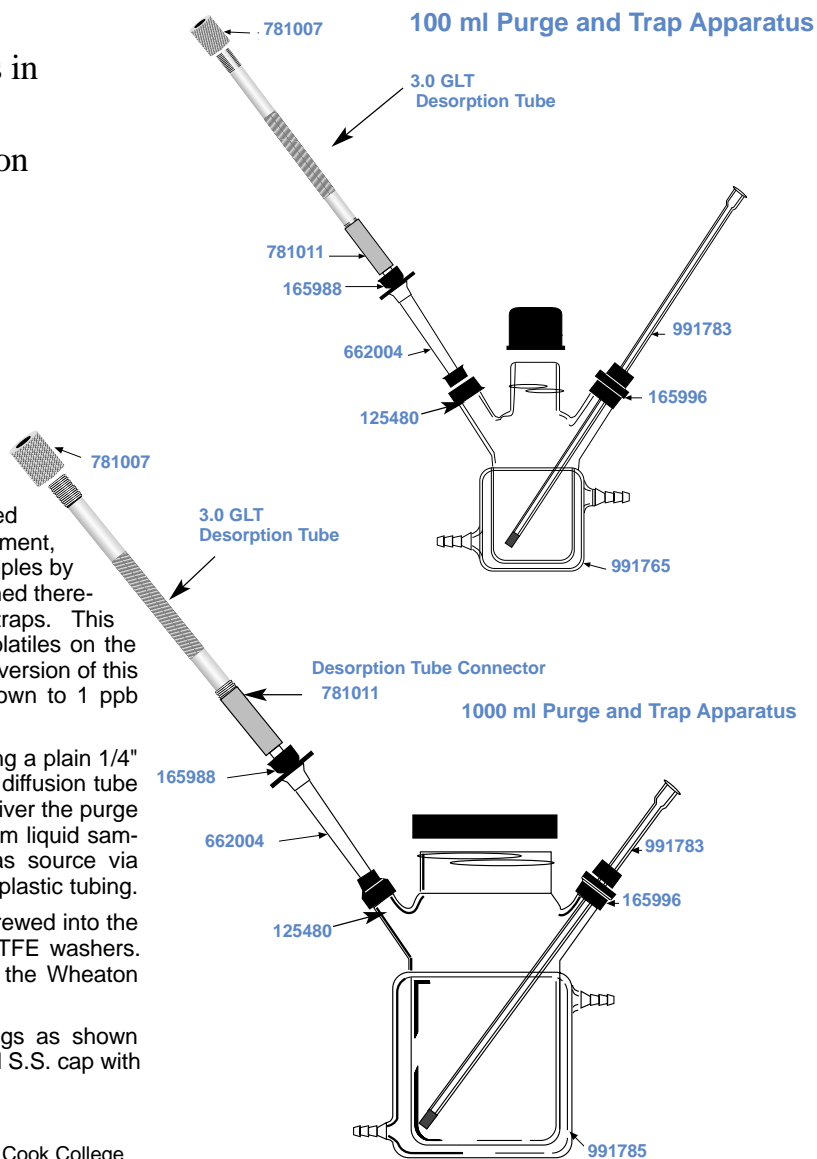
The Purge and Trap Apparatus* is widely used for the isolation of pollutants in soil, sediment, waste water, and other solid and liquid samples by purging a clean gas over and thru the sample contained therein and trapping the purged volatiles on adsorbent traps. This device has been modified by S.I.S. to trap these volatiles on the S.I.S. GLT Thermal Desorption Tubes. The 1000 ml version of this apparatus can purge and trap benzene in water down to 1 ppb using conventional GC or GC/MS techniques.

A variety of purge gas tubes can be used including a plain 1/4" diameter glass tube, 1/4" stainless steel tube, or the diffusion tube which includes a fine frit on the end of the tube to deliver the purge gas in small bubbles to better purge the volatiles from liquid samples. These tubes can be fitted to the purge gas source via Swagelok connectors with PTFE ferrules or via inert plastic tubing.

The S.I.S. GLT Thermal Desorption tubes are screwed into the adapter fitting and a seal made via the standard PTFE washers. This adapter in turn fits into the plastic adapter on the Wheaton glassware.

The systems include glass vessel and all fittings as shown including adapter (781011), GLT tube, PTFE seal and S.S. cap with hole (781007).

*Designed by T. Sabatino, PhD, Cook College



Part No.	Description	Price
991785-SYS	Complete 1000 ml Purge & Trap System (includes 781010 Adapter, GLT Tube, PTFE Seal and 781007)	
991765-SYS	Complete 100 ml Purge & Trap System with fittings (includes 781010 Adapter, GLT Tube, PTFE Seal and 781007)	
991785	1000 ml capacity Purge Vessel with Cap	
991765	100 ml capacity Purge Vessel with Cap	
165996	Adapter, for 1/4" O.D. Tubes, 20-400	
781011	S.S. Desorption Tube Connector	
781004	PTFE Washer Seals, pkg of 10	
991783	Diffusion Tube. 1/4" O.D. with glass frit	
165988	Adapter, 1/4" Tube, 13-425	
662004	5 ml Funnel	
125480	Connection Reducer, 13-425 to 20-400	
781007	S.S. Desorption cap with hole	