

2" Cryo-Trap designed for use with the SIS AutoDesorb™ System

- Trap compounds in the GC oven at the head of the GC column
- For use with the SIS AutoDesorb System Only
- For use on the Agilent 7890, 6890 and 5890 GC & Thermo Trace GC
- Set up and controlled by a PC Window
- Trap can be used with either LN2 or CO2
 - CO2 cools to -70°C
 - LN2 cools to -180°C
- Designed for 0.2, 0.25 and 0.32mm capillary columns
- Mounts inside the GC oven under injection port
- Does not attach to the injection port - no heat draw
- Rapid heating up to 400°C at > 400°C per minute



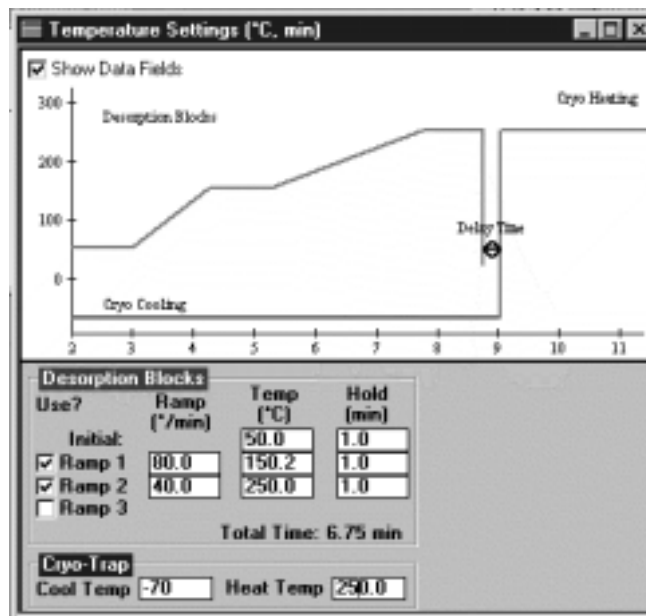
2" Cryo-Trap for the AutoDesorb System

The AutoDesorb Cryo-Trap was designed to operate inside the GC oven for the trapping of volatiles at the front of the GC column much like the previous models of the Cryo-Traps that SIS has produced in the past 5 years. The Cryo-Trap consists of a 2.0" long cooling/heating chamber. In the center of the chamber is a small stainless steel capillary through which the capillary column freely passes. Around the stainless steel capillary tube a heating coil is wound to provide for the rapid heating of the capillary tube and capillary column. A Thermocouple provides accurate measurement of both the cooling and heating temperatures.

The same Cryo-trap can be used with either LN2 or CO2. There is no need to purchase separate traps or electronics controllers. Just select the appropriate valve (CO2 or LN2) kit below depending on the cooling gas you will be using, or if you prefer purchase both valves to enable the use of the Cryo-Trap with both types of gases. CO2 will enable cooling of the Cryo-Trap down to -70° C and LN2 will enable cooling down to -180° C. The AutoDesorb software will detect the type of valve which is plugged into the controller and control its operation automatically.

The Cryo-Trap is controlled and operated via the PC software and electronics console of the AutoDesorb system. A PC window is used to set the cooling and heating temperatures and times, and the PC window monitors and plots the actual Cryo-Trap temperatures during the sample analysis.

The Cryo-Trap was developed specific to the Agilent 7890, 6890 (also Agilent 5890) GC. It uses a new mount which attaches to the top of the oven wall around the GC injection port, but the trap or its mount do not physically touch the injection port. Therefore there is no heat drain from the injection port which would impede the GC Injection port operation. The 2.0" trap can be used on 0.2, 0.25 and 0.32 mm I.D. capillary columns, and can also be used on megabore columns or guard columns (0.53mm) provided that the column flow does not exceed 5.0 ml/minute.



AutoDesorb™ PC window to setup and monitor Cryo-Trap Temperatures

Part No.	Description	Price
976000	Cryo-Trap for the AutoDesorb™	
976020	LN2 Valve Kit for the Cryo-Trap includes LN2 valve and tubing	
976010	CO2 Valve Kit for the Cryo-Trap includes CO2 Valve, fitting and tubing	

No additional installation kits required for the Agilent GC's.