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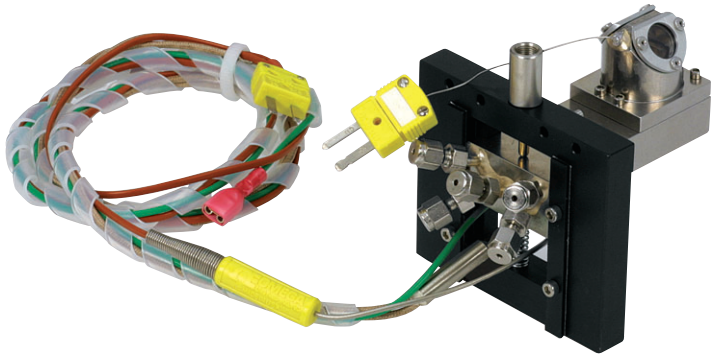
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Temperature/Vacuum Chamber for Spectra-Tech Collector and Collector II

The Temperature/Vacuum Chamber is ideal for experiments with the Spectra-Tech Collector or Collector II accessories requiring high temperatures and vacuum conditions. A temperature controller is necessary and must be purchased separately to ensure reliable operation of the heating elements. This chamber comes standard with 13 mm x 2 mm KBr windows – other materials are available. The currently available version of this chamber has two temperature probes – one for the heater and one for the sample. For those who already own a previously available chamber (0030-100), which monitors heater temperature only, a dome upgrade is available to enable monitoring of sample temperature.

Note: Coolant requirements: H_2O flow rate of 30 cc/min.



Applications

- Control of sampling environment of solid samples
- Sample analysis under heated conditions
- In-situ measurements

Features

- Removable sample cups for quick turnaround
- Heats sample up to 500°C and ambient pressure to 10^{-5} Torr
- Sample can be analyzed in a nonambient gaseous environment
- Temperature probe hood for direct temperature measurement of the sample
- Dome uses 13 x 2 mm, KBr windows as standard, other materials available (see page 90)

Temperature Controller Specifications

- Digital PID temperature controller and power box
- Temperature-setpoint dial potentiometer
- LCD display
- 0.5 second cycle time
- Stability ± 1°C (above 100°C)

Product Configuration	Part Number
Temperature/Vacuum Chamber for Spectra-Tech Collector and Collector II (shown above)	0030-101
Temperature Controller, 110V	0019-021
Temperature Controller, 220V	0019-021E

Options/Replacements	Part Number
Alignment mirror	3000-368
Sample cup	3000-352
Sample cup with frit assembly	0030-109
O-rings, one large, four small	0030-141
Replacement dome assembly, includes hood with KBr windows and temperature probe	0030-115

Options/Replacements for 0030-100 Obsolete Temperature/Vacuum Chamber	
Dome upgrade to convert 0030-100 to 0030-101	0030-115
Replacement dome assembly for 0030-100, includes hood with KBr windows	0030-125

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