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## Selector Environmental Chamber + Spares

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### Diffuse Reflectance Environmental Chamber

Specac offers an Environmental Chamber designed for use with the Selector™ Diffuse Reflectance Accessory. This Environmental Chamber extends the sampling capabilities of the Selector™ by allowing the study of a diffusely reflecting sample at temperatures up to 800°C and pressures from vacuum (0.001 Torr) to 500 psi. Solid or powder samples are placed onto a sampling cup within an atmospherically controllable chamber for DRIFTS spectroscopic analysis. This accessory is ideal for infrared spectroscopic analysis of kinetics, catalysis, surface analysis, polymerisation, and co-ordination chemistry.

ZnSe windows are used as standard on the chamber, to give a good balance between wide mid-IR transmission and mechanical strength. Other windows are available on request. The main body of the Environmental Chamber is constructed from 316 stainless steel for both ruggedness and chemical resistance. A water cooling jacket keeps the outside of the chamber cool when operating at high temperatures and a safety 'burst disc' activates whenever the pressure exceeds the recommended safety limit.

The Environmental Chamber can only be used in conjunction with Specac's Selector™ Diffuse Reflectance Accessory.

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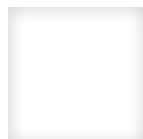
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#### SELECTOR ENVIRONMENTAL CHAMBER



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### Selector Environmental Chamber + Temperature Controller

A Selector Environmental Chamber with a dedicated Temperature Controller. Can only be used

with the Selector™

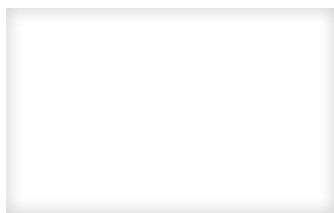
### Features

- Advanced Diffuse Reflectance measurements
- Programmable controlled temperatures to 800 °C
- Operates from vacuum (0.001 Torr) to high pressure (500 psi)
- Controlled atmosphere (gas inlet and outlet)
- Extensive safety features

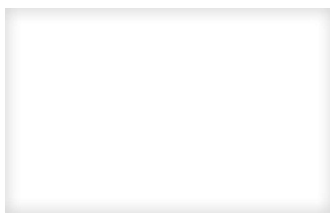
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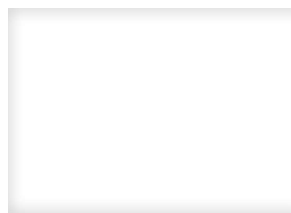
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