

Typhoon™ process flow cell

Gas flow cell for process NIR spectroscopy

The Specac Typhoon™ process flow cell is a single-pass gas cell for gas and vapour phase process streams. Typhoon™ process cells have an established reputation for ruggedness and reliability. Product solutions customized to individual requirements are available in addition to the range of standard products.



Key Features

- **Swagelok process connections**
Easily connects to your gas stream using off-the-shelf components.
- **Sapphire optics**
This durable material is ideal for spectroscopic measurements in the NIR range.
- **Custom pathlengths**
The cell can be built to your specification, with typical sizes being 20, 30, and 50 cm.
- **Optional extras**
Including additional flow/cleaning ports and fiber shrouds to protect the fiber connections from damage.

Standard configuration guide

Feature	Specification
Optical range	12000–4000 cm ⁻¹
Pathlength	20–50 cm
Optical materials	Sapphire windows and quartz lenses
Body material	Stainless steel, Hastelloy, Zirconium
Temperature range	Ambient to 200 °C
Pressure range	Ambient to 160 bar g
Seals	Kalrez® or Viton® as standard
Fiber diameter	300 or 600 µm
Fiber fitting	FC or SMA
Pipe fitting	Swagelok 1/4 inch
Optional features	Cleaning ports, Fiber shrouds

Note: Versions of the Specac Typhoon™ can be designed and manufactured to meet a wide range of processes. Please contact Specac today to discuss your requirements.

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