rev B
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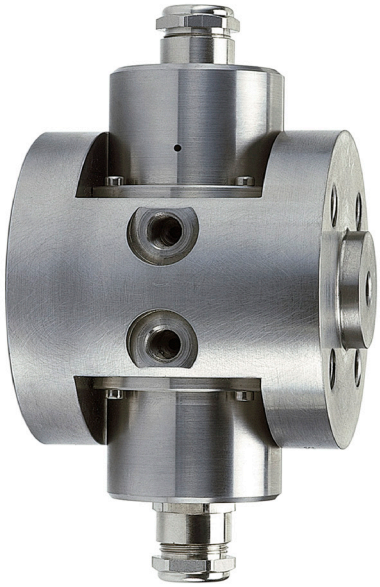
Product Datasheet

Vortex™ process flow cell

Flange-mounted transmission flow cell for online UV-Vis and NIR spectroscopy

The Specac Vortex™ process flow cell is an extremely robust cell that delivers optimum sensitivity for your process measurements. Through partnerships with leading multinational companies in the process industry and manufacturing, Specac has developed unrivalled engineering design expertise and manufacturing techniques for process cells. Vortex™ 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

- **DIN or ANSI flange-mountings**
  Selection of sizes for ease of process integration.
- **Proven reliabilility in aggressive environments**
  A range of available materials, sealing methods, and optics ensures Vortex is ready to face high temperatures, corrosive chemicals, and high pressures.
- **Factory aligned optics**
  Ensures optimum stability and cell sensitivity
- **Tell-tales and cleaning ports**
  Vortex process cells can be optionally specified with features to aid cleaning and identification of leaks.

Standard configuration guide

Feature	Specification
Optical range	12000–4000 cm^{-1}
Pathlength	2-10 mm
Optical materials	Sapphire windows and quartz lenses
Body material	Stainless Steel, Hastelloy, Zirconium
Temperature range	Ambient to 200°C
Pressure range	Up to 160 bar g (depending on flange specification)
Seals	Kalrez® or Viton® as standard
Cell bore & flange	According to ANSI or DIN standard
Standard fiber diameter	300 or 600 µm
Fiber fitting	FC or SMA
Optional features	Thermocouple well, Cleaning Ports, Leak tell-tales, Purge Ports, Fiber Shrouds, Vacuum capability

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

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