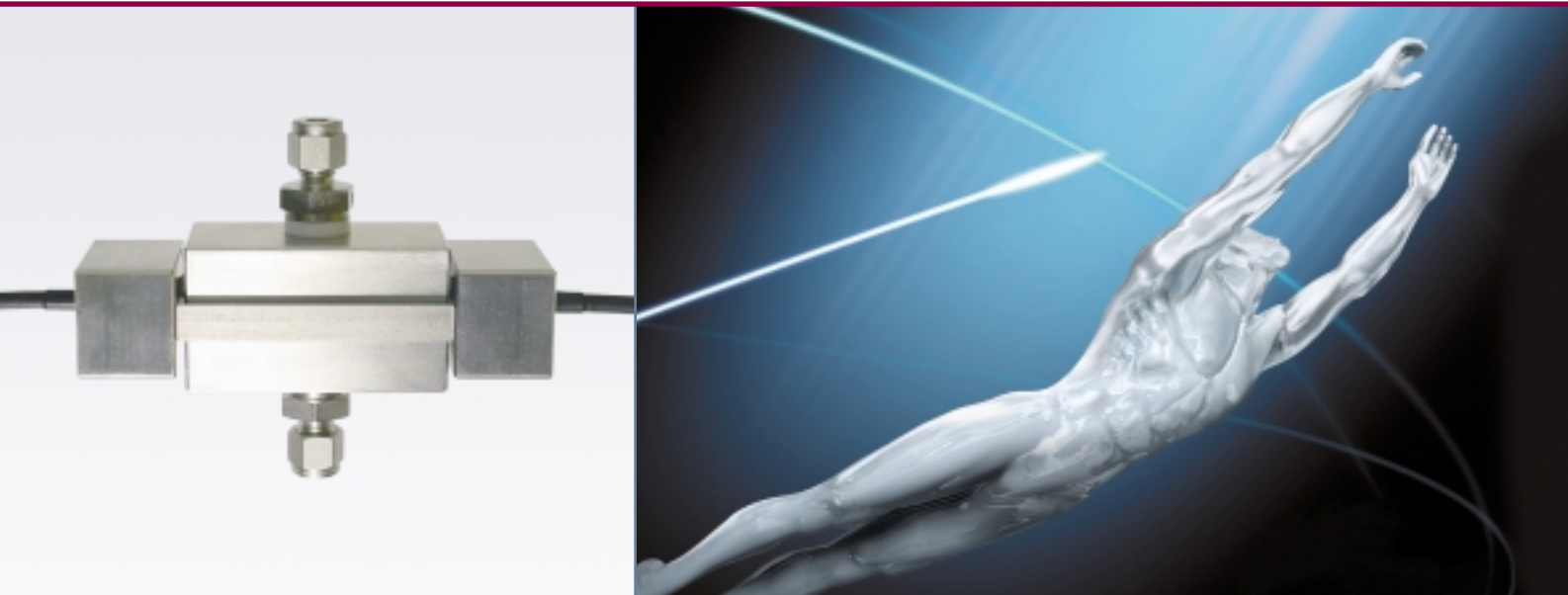


MINIPLANT

Fiberoptic Transmission-Flow Cells with the Superior Optic Material – Sapphire



MINIPLANT transmission-flow cells are remarkable for their robust design and unmatched selection of materials for all wetted parts. With the optic material Sapphire, MINIPLANT-transmission cells are practically abrasion- and corrosion free, and thus stable in applications in which concentrated, strong acids and bases are used. Moreover, the probes will not be damaged by spikes in temperature or pressure.

MINIPLANT transmission-flow cells are specifically designed for small diameters and small sample streams and fit directly into bypass- or sampling lines. The cells are manufactured in accordance with your selection from a wide range of materials, process connectors, diameters, pressure levels and temperature ranges or can be further customized to meet your individual needs.

MINIPLANT – the Clear Advantages at a Glance

- Abrasion- and corrosion free Sapphire optic
- Chemical resistance
- Verifiable process capability
- Range of application from UV to NIR
- Wide variety of models and customized designs
- Compatible with all types of spectrometers
- Complete range of accessories



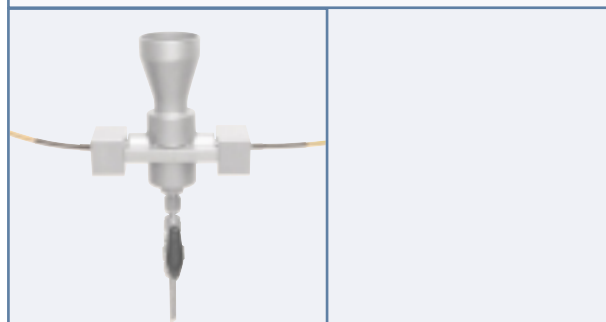
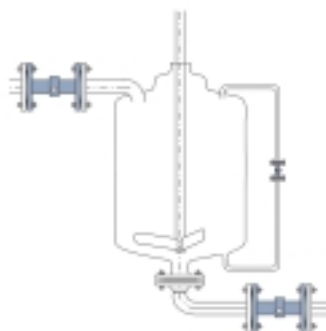
MINIPLANT Meets the Highest Demands in Process Analysis Technology

Applications

Determination of single parameters or multicomponent analysis in solutions or gases.

Standard Procedures

- Color number determination according to APHA, Hazen, Lovibond, EBC and Sayboldt
- Measurement of UV-VIS absorbing gases such as F_2 , Cl_2 , Br_2 , I_2 , NO_x , SO_2 , Ozone and Hg
- Reaction monitoring in chemical synthesis from the UV to NIR range
- Control of membrane separation or process chromatography
- Solvent blending



Specifications

Optic

Optical path length (OPL) 1, 2, 3, 4, 5 or 10 mm

Probe Design

Dimensions W×H×D 120×40×35 mm

Standard materials Stainless steel DIN 1.4435/316L, Sapphire

Process connectors Screw fittings (Swagelok) for pipe diameters from 6 to 12mm (1/4" to 1/2")
Additional connectors upon request

Process Conditions

Temperature Maximum 280°C (continuous use)

Pressure 0–100 bar

Options

Alternative materials Stainless steel DIN 1.4571/SS316Ti, titanium, hastelloy and PTFE

Other Additional designs, dimensions and specifications upon request

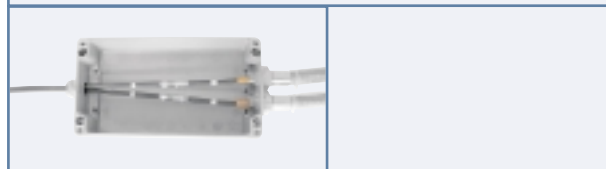
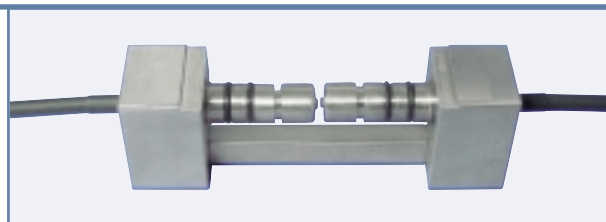
Declaration of Conformity

Certified in accordance with Pressure Equipment Directive 97/23/EC

Total Service – from Flow Cells to a Complete Range of Accessories

We offer much more than just fiberoptic flow cells. Our comprehensive accessory program includes everything you need for implementing our cells as well as reliable coupling solutions for almost any type of spectrometer.

Ask us about the optimal solution for you.



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