

4Runner 4 to 6 Meter Pathlength Gas Cell



Applications

- Moisture analysis of corrosive gases
- BCl₃, Cl₂, NH₃, HCl, HBr, WF₆, B₂H₆
- Combustion and Exhaust gases
- Electronic specialty gases
- Semiconductor process monitoring

About the 4 Runner Gas Cell

This high performance cell is the latest addition to a long line of superior corrosion resistant gas analysis tools. Continuing in the tradition of the Pathfinder™ and the Ranger™, the 4Runner™ optimizes the pathlength to volume ratio for unmatched performance.

System Specifications

- Pathlengths of 4.0, 4.5, 5.0, 5.5, or 6.0 meter available
- 0.6-liter volume gives a surface to volume ratio of 0.09 squaremeter/liter
- 125-mm base path
- 316L stainless steel body for corrosion resistance, durability, and simplified cleaning
- Circumferential flow geometry via plenum design
- Viton®, Kalrez®, or metal C-seals.
- AgBr, KBr, BaF₂, CaF₂, or AR-coated ZnSe window materials
- Welded VCR fittings for gas porting
- Evacuatable and pressurizable: 10⁻⁶ Torr to 300 psi
- Heatable to 300° C with temperature controller and Kalrez O-rings
- Integrated purge box with movable reference optics
- MgF₂-protected, gold-coated 304 stainless steel mirrors
- Insulation and cover
- Optional: Nickel-plated cell body

Options

- 36B100 4Runner™, Viton, KBr, purge box, unheated
- 36B400 4Runner™, Kalrez® seals, Ni-plated, purge box, unheated
- 36B406OH 4Runner™, ZnSe-AR windows, Kalrez® seals, Ni-plated, purge box, heated w/temperature controller
- 25B600W Pacesetter temperature controller