

Venus Series Long Path Gas Cells

Venus Series Gas Cells from Gemini are low volume, long path cells for general analytical application. Pathlengths are available from approximately one to eight meters. Volumes are either 0.5 liters or 0.75 liters, providing outstanding path-to-volume performance and excellent optical throughput. The cell body is borosilicate (pyrex) glass. Hardware is black anodized aluminum.

Venus Series gas cells are provided in low-cost fixed-path configurations which are easy to use and intended for general analytical applications at ambient temperature and pressure. Variable-pathlength configurations are also available, and can be operated at temperatures as high as 100 C.

Venus Series Gas Cells are simply constructed, using high quality materials chosen for their inertness, corrosion resistance, and sample compatibility. Cell construction is modular in principle, with interchangeable elements to promote versatility and serviceability - glass cell bodies and aluminum cell hardware can be coated with a variety of materials, nickel coated aluminum, black anodized aluminum, and FEP Teflon coated aluminum are all readily provided to user specification.

Sample line connections are made with industry-standard valves and fittings. Swagelok, Nupro, Cajon, and Whitey parts are commonly provided. End plates can be plumbed with tapped NPT holes or VCR connections.

Standard optical coatings are multi-layered dielectric bare gold, a highly durable and highly reflective surface. Alternative coatings can include protected silver, protected gold, or aluminum coatings.



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