

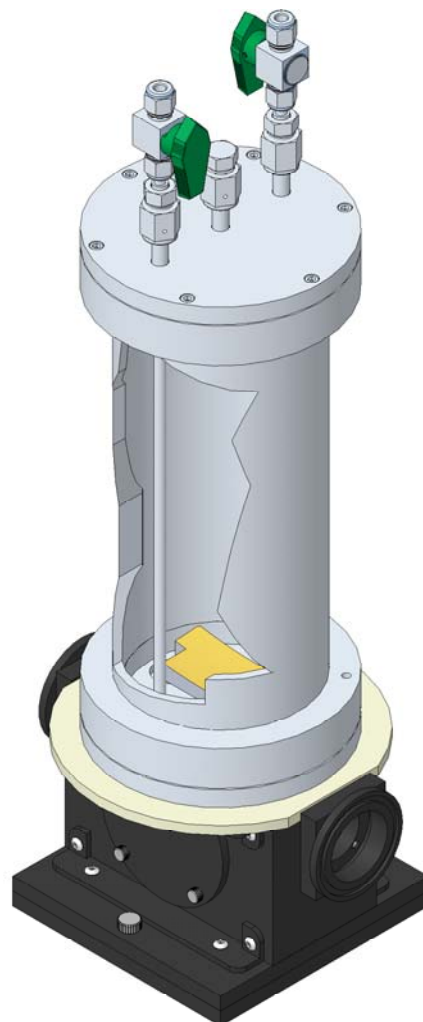
Gemini - Mars Series Multi-Pass Gas Cells

Mars Series Gas Cells are constructed of the highest quality materials chosen for their durability, inertness, and corrosion resistance, and are especially well-equipped for the demanding needs of users involved with semiconductor and specialty gas applications. Mars Series Gas Cells fulfill a vital demand for dynamic gas analysis data in a variety of industrial, analytical and high-end manufacturing niches.

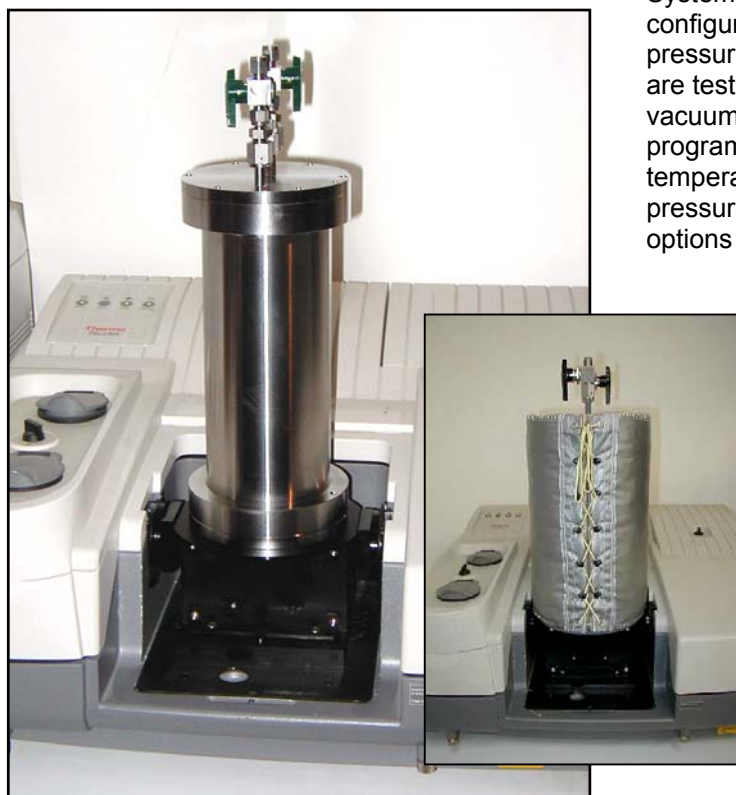
Mars Series Multi-Pass Cells from Gemini offer high performance, reliability, simplicity, and dependability, meeting the most demanding of gas sampling needs for industrial or field deployed FTIR and IR instrumentation.

Cell construction is modular in principle, with interchangeable elements to promote versatility and serviceability - metal cell bodies and cell hardware can be constructed of virtually any material - stainless steel (passivated or electropolished), pure nickel, 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. Swagelock, Nupro, Cajon, and Whitey parts are commonly provided. Endplates can be plumbed with tapped NPT holes or welded VCR connections.



Systems can be configured for high pressure application, and are tested for high vacuum as well. User-programmable temperature control and pressure monitoring options are available.



Mars Series gas cells feature as standard the optical coating GemGold™, an extremely durable and highly reflective multi-layer dielectric optical surface with an IR-transparent protective overlayer. GemGold™ significantly enhances the optical quality, durability and corrosion resistance of the optical system. Alternative coatings can include protected silver, bare gold, or aluminum coatings.

**Gemini Mars
Series Gas Cells**

