

# Gas Syringes

## Magnum Series

- Removable needle: .035" x .023" x 2", bevel, open end
- **Built-in twist-lock valve** – seals the sample (up to 30 psi)
- during transportation to the analysis site
- **Up to 500 ml capacity** – for sampling low concentration levels
- **Positive rear plunger stop** – prevents plunger from blowing out when contents are pressurized

The detection of low levels of various environmental contaminants can require extraordinarily large samples. Magnum syringes facilitate the trapping of such samples in remote locations. A built-in valve allows the sample to be sealed within the syringe, maintaining sample integrity during transportation to the analysis site.

Magnums have been successfully used to sample atmospheric contaminants such as sulfur dioxide and oxides of nitrogen at distant points of the earth. The positive displacement capability of the durable PTFE plunger seal permits use in a variety of subsequent procedures involving extraction or concentration of trace components. (With a cryogenic enrichment apparatus, for example.)

The standard termination is a female threaded fitting (1/4-28), which accepts a variety of Cheminert® connectors or adapters.\* Specially formed seals permit leak-tight operation to 30 psi (approximately 2 atmospheres). *Because of the obvious danger in overpressurizing any glass container, the internal pressure of a Magnum gas syringe should never exceed 2 atmospheres.*

\*Call to request a copy of the Valco Instruments Co. Inc catalog, with complete information about compatible Cheminert valves and fittings.  
060039

Standard:	060037	060044	060040	060041	060042
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Luer:	060043	060045	060046	060047
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(Replacement needles on next page)

