

# Mininert™ Valves

## General Description

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- ▶ **Leak-tight closure with syringe access** – take a sample with no exposure of vial contents to atmosphere
- ▶ **Models for virtually any laboratory glassware** – screw-cap and crimp-top vials, test tubes, flasks, reaction chambers, 1/4-28 or pipe thread
- ▶ **Economical** – save time and money through conservation of reagents, etc.
- ▶ **Replaceable septum** – easily replaced with no exposure of contents to atmosphere
- ▶ **Simple installation** – no tools required

Mininert push-button valves are highly dependable, leak-tight closures for screw-cap vials and other laboratory containers. When used with a glass vial, only PTFE and glass are in contact with the contents. Their unique features make Mininert valves the ideal closure for calibration standards, air- or moisture-sensitive fluids, derivatizing reagents, volatile chemicals, etc.

Operation is extremely simple – push the green button to open the valve, insert the needle through the septum and take a sample, withdraw the needle, and push the red button to close the valve.

## Specifications

### Temperature

Mininert valves can be used at temperature up to 105°F. However, after use at high temperatures, the valve may leak slightly when cooled to room temperature.

### Pressure

The sealing ability of Mininert valves is more than adequate to contain most volatile liquids and gases at low pressures. Mininert valves have been used as high as 120 psi without leakage, but this is NOT a recommendation for pressurizing glass containers to these levels. Such pressurization of glass containers can be extremely dangerous.

### Chemical Resistance

PTFE is highly inert and may be used with most common materials. It is particularly useful for working with most acids and organic solvents. Problems may be encountered when used with organometallics and some strong bases. We recommend actual exposure test before use with any material.