

Syringe Features

Pressure-Lok[®] Syringe Features

PTFE Plunger Tip

Plunger tips are fabricated of PTFE, stress-formed by our own special process to insure a leak-tight seal. The self-lubricating plunger tip stays smooth for the life of the syringe, with none of the freezing up or residue build-up associated with conventional all-metal plungers.



PTFE-Sealed Needle

Standard needle attachment includes a barrier sleeve or packing of PTFE on the rear of the needle at the zero point. This isolates the sample from the needle cement, preventing possible dissolution of the adhesive or contamination of the sample. Many of our models are also available in a luer-tip version.



Ultra-Smooth Bore

Syringe barrels up to 100 µl are hand-fabricated from high quality borosilicate glass, manufactured to our specifications. The extremely smooth bore prevents undue wear of the plunger tip and insures a smooth, durable seal.

Hand Calibration

Each barrel undergoes a series of quality checks, including hand-calibration of consistent volume delivery. After final assembly of each lot, volume delivery is checked again with an electronic microbalance. These careful steps in quality control insure that every Pressure-Lok microsyringe measures up to today's stringent requirements for precision and accuracy.

Easily Replaceable Parts

Depending on the specific model, some or all of the wear parts can be easily replaced, optimizing your equipment investment.

Shaped Rear Flange

All of our syringes have a rear flange to provide a secure grip and keep the syringe from rolling.

Low Dead Volume

Every syringe design takes advantage of every opportunity to minimize or eliminate dead volume.

Crisp, Clean Graduations

Our methods insure easy reading of the sampled amount.

*PTFE is the generic name for polytetrafluoroethylene polymer, commonly sold as Teflon[®] by E.I. duPont de Nemours