

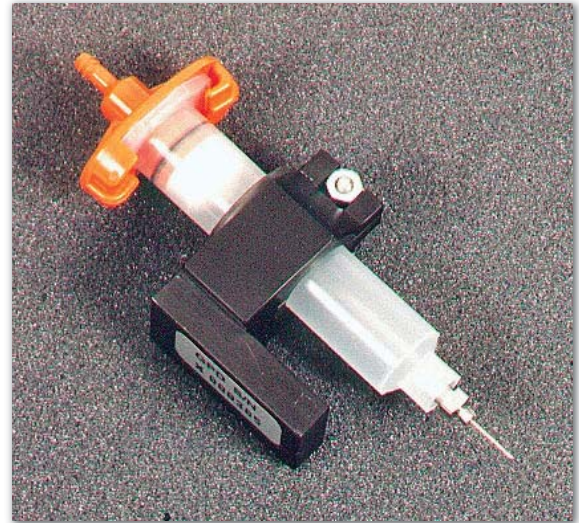
Time Pressure Valve

Simple, Disposable Dispensing

Time Pressure is a **simple method of dispensing materials that may damage more expensive valves**. This dispense method works by applying pressure to the syringe. This pressure pulse is controlled by the software and can be used to dispense either lines, fills, or dots.

This is a great option for fully automatic systems.

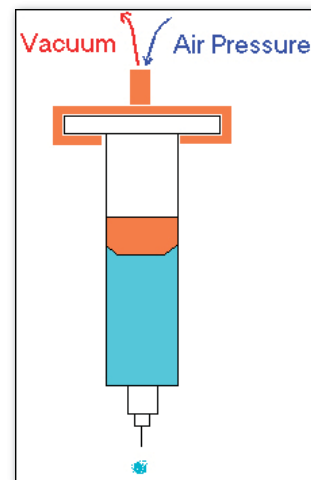
The amount of pressure is automatically controlled through the software. The amount of pressure is determined by a relationship between the material being dispensed and the application flow rate. When dispensing is finished, an adjustable vacuum is applied to the syringe that prevents material from dripping. The vacuum is adjustable to avoid pulling air into the needle.



Time Pressure with 10 cc Syringe

Syringe sizes from 5 cc to 30 cc may be used. All syringe sizes may be mounted utilizing the bushing kit. An optional, level detect is available that will notify the operator when the material level gets low.

Cleanup using this method is very simple. Because material is being dispensed directly from the syringe, the operator may dispose of it after it is empty. Additionally, the needles that are commonly used are disposable Luer-Lok® type. An operator may change a syringe and needle, and recalibrate the system within a matter of two (2) minutes. Again, no cleaning is required as all wetted parts are disposable.



Operation Diagram