

Designed for: High Viscosity / High-Volume Biologics

PLATFORM

# AltaVISC Auto-Injector

- **High Viscosity Biologic Delivery**
- **High Volume Delivery**
- **Subcutaneous Delivery**
- **Intramuscular Delivery**

Creator of the  
Pico-Cylinder

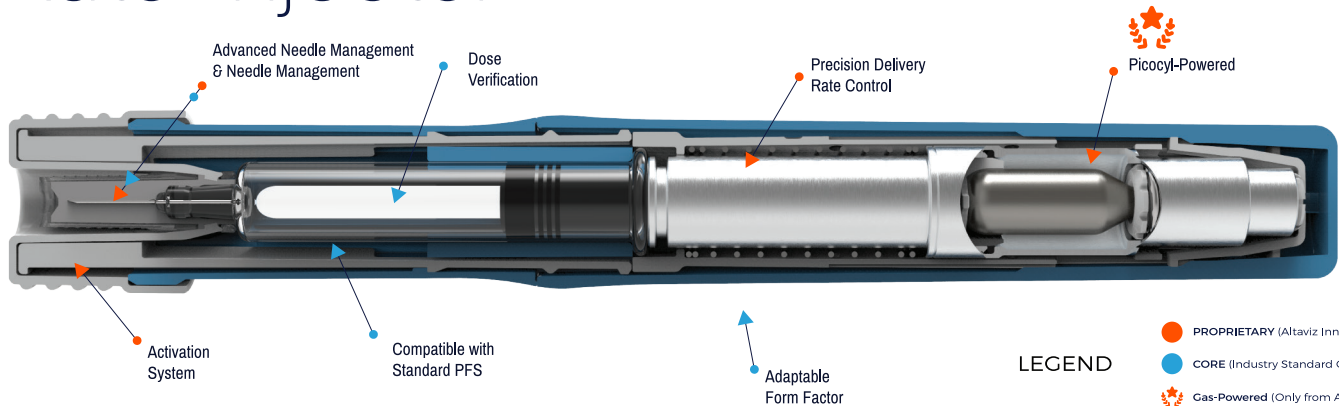
Altaviz is the world's foremost expert in medical-grade compressed gas cylinders, and how this breakthrough technology is empowering and enabling the evolution of next-gen drug and therapy delivery.

Platform Description  
Platform Highlights  
Distinguishing Features  
System Building Blocks



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# AltaVISC Auto-Injector



## Description

Newer classes of biologic drugs have higher viscosities and require delivery of larger volumes outside of the capability of traditional spring-powered devices. Attempting to deliver these new treatments with spring-powered devices can result in larger, less ergonomically friendly injector devices with long delivery times and large needles whose noise and vibration levels are frightening to the end users.

With the power to deliver high viscosity, large volume formulations in short or programmed periods of time, new biologic drug-compatible auto-injectors and wearable bolus injectors benefit from the power of Pico-Cylinders. The high energy density coupled with the smooth, silent delivery of drugs can reduce syringe breakage and ease patient concerns leading to higher compliance and a better user experience.

## Highlights

- Deliver High Viscosity and High-Volume Biologics
- Silent Delivery (Comfortable Patient Experience)
- No Syringe Breakage
- Customizable Force Characteristics
- Consistent, Life-Long Performance
- Environmental Sustainability
- Flexible, Low-Cost Manufacturing

## Distinguishing Features

- Modular platform for multiple viscosities, volumes, etc.
- Simple change of gas pressure accommodates wide range of variants.
- Accommodates standard 1.0 mL and 2.25 mL PFS.
- Silent delivery.
- Automated & manual needle insertion & retraction.

## System Building Blocks

Innovative, customizable Application Accelerators are the key to dramatically reducing your time to market.

### PROPRIETARY ACCELERATORS Altaviz Innovations

- Activation System
- Gas-Powered Drive
- Needle Management/Advanced
- Precision Delivery Rate Control

### CORE ACCELERATORS Industry Standard Components

- Adaptable Form Factor
- Compatible with Standard PFS
- Dose Verification
- Needle Management