

AdvantaJet® Features

- Designed for the purpose of jet injection of insulin.
- Insulin is loaded by attaching the insulin vial with vial adapter to the injector.
- Allows for the mixing of all types of U-100 insulin.
- The injector has a range of 0.5 to 50 units of U-100 insulin. The number of each unit loaded appears in an easy-to-read window.
- Designed with a distinguishable detent ("click-count") of each unit loaded, thereby permitting use by visually impaired patients.
- The insulin is delivered under pressure through a tiny orifice at the head of the injector, gently penetrating the skin through an opening 1/4 the size of a conventional needle.
- Range of comfort settings allows for adjustment of penetration pressure depending upon variables such as volume, skin type, and injection site.

Specifications

Shape: Cylindrical, pen shaped

Weight: 6 ounces (172 grams)

Dimensions: 6 1/2" x 1" (at a 40-unit setting)

Capacity: 0-50 Units U-100 Insulin

Accuracy: +/-0.005 cc of Volume Indicated (1/2 unit)

Repeatability: +/-0.0025 cc of Volume Delivered (1/4 Unit)

Pressure Adjustment: Up to a maximum of 6 positions

Safety: Lever maintains position automatically

Materials: Front Tube & Power Pack Assembly — Stainless Steel & Plastic

AdvantaJet®

The Clear Advantage in Needle Free Insulin Delivery



**"It is all about
Accuracy
and CONTROL!"**

AdvantaJet®



Free support, information and sales help are available through these sources:

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Kempton, PA 19529
Phone: 866.640.6890
Fax: 703.935.7530

WWW.CAROUSELMED.COM
SALES@CAROUSELMED.COM

Manufactured by **Activa Brand Products**
36 Fourth Street, Charlottetown, PE ,C1E2B3 Canada

AdvantaJet® Injectors are personal home care devices and should not be used by any person other than the original patient.

AdvantaJet® Systems are FDA Approved.

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What is the AdvantaJet®?

The **AdvantaJet®** is a family of advanced needle-free injection systems, which provides a complete solution to diabetic patients who depend on multiple daily injections of insulin.

The **AdvantaJet®** does not use a needle! A micro-jet stream of insulin painlessly passes through the outer skin and into the subcutaneous layer below. This advanced technique reduces skin trauma and pain caused by needles.

AdvantaJet® Diagram



Types of AdvantaJet® Systems

- **GentleJet®** — A system for patients with sensitive skin. Produces lower pressure output thus is ideal for children.
- **AdvantaJet®** — The standard system designed for people of normal skin types.
- **AdvantaJet ES®** — A system with a higher pressure output that is suited for patients with tougher skin types.

Freedom, Comfort, and Control

Freedom	Comfort	Control
Easy To Use	Needle-Free	Precise & Accurate
Accepts All Insulin Types	Adjustable Comfort Settings	Small Volume Capacity
Simple Cleaning Procedures	Easy & Rapid Loading	Ensures Stable Therapy
Lightweight, Portable, & Compact	Flexible Systems for All Types of Patient Needs	Permits Filling to Within 1/2 Unit
Can Mix U-100 Insulin	Reduced Skin Trauma	Adaptable to Split Mixes
		No Complicated Procedures

Insurance

In most cases, you may reclaim the cost of the AdvantaJet® from your health insurance plan. We provide supporting documents to your insurance carrier that can help process your claims.

Training and Support

We provide an easy-to-follow instruction manual and a companion training video or CD-ROM.

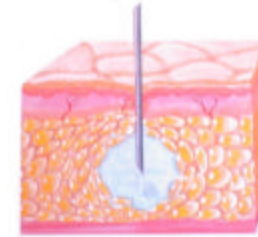
A qualified instructor will provide training to each patient on the proper usage and care of the AdvantaJet® system.

The AdvantaJet® comes with a two year warranty, 24-hour toll free and online support.

Our Goal is 100% Total Customer Satisfaction!

Dispersal Patterns

Needle & Syringe Injection



The injected medication is deposited in a "bolus" or pool of fluid which displaces the surrounding tissue. It is then absorbed from the periphery to the center of the "bolus" by the surrounding absorbent tissue. Due to limited tissue contact, absorption is generally slower than with jet injection.

Jet Injection



The injected medication disperses in a mist or spray effect as it enters the subcutaneous tissue. The minute fluid particles of medication are then in close contact with the absorbent tissue. The rate of absorption increases as the surface area to which the medication is exposed increases.

The small penetration point results in reduced trauma to the site.

In controlled studies, three independent laboratories have demonstrated that insulin is absorbed more rapidly into the circulation when administered by jet injection, as compared to conventional needle and syringe injections. In consequence, post meal insulin profiles achieved are closer to those seen in individuals with a normally functioning pancreas.

In short-term studies, this characteristic of jet injection can be shown to result in improved glycemic responses to meals.

Over a three-month period, researchers have found equal improvement in diabetes control, which was assessed by glycosylated hemoglobin, between treatment with multiple daily insulin dosages administered by jet injection and 24-hour intravenous monitoring by insulin pump therapy.