



Vertiva[®]

A pre-filled and pre-loaded on-body delivery system platform suitable for a wide range of therapies



MANAGING COMPLEXITY, DELIVERING VALUE

About Vertiva®

Vertiva® is an On-Body Delivery System (OBDS) designed to deliver high-volume drugs in either a 3mL or a 10mL format. Both configurations consist of a single-use Pod with a pre-filled and pre-loaded cartridge combined with a multi-use smart Controller.

Our OBDS solution features a proprietary magnetically-coupled drive mechanism that enables power transfer between the Pod and the Controller. This advanced platform technology offers **exceptional versatility**,

capable of delivering **micro-precision basal doses or full-content bolus injections**. As a result, Vertiva® is well-suited for a wide range of small molecule and biologic therapies.

Benefits



READY-TO-USE SYSTEM

- Pre-loaded cartridge simplifies treatment initiation
- Minimization of use error



REUSABLE ELECTRONICS

- Improved device sustainability
- Cost effective for long-term treatments



VERSATILE DELIVERY PROFILES

- Factory programmable flow rate and injection time
- Suitable for highly-viscous drugs



END-TO-END OFFERING

- Leveraging Stevanato Group capabilities in primary packaging and drug delivery
- Fill-and-finish and final assembly services through collaboration partner

Multi-use smart Controller

User interface, providing visual and audible feedback

Therapy start button

Built-in BLE® connection for digital health applications



Single-use Pod

Automatic needle insertion and retraction embedded

Inspection window for pre-filled and pre-loaded cartridge

Adhesive patch



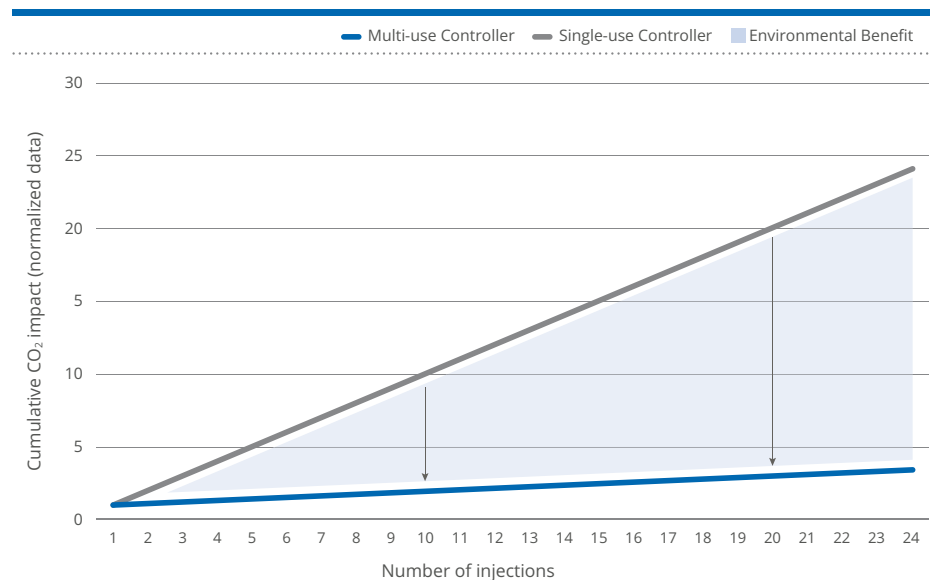
Sustainable by Design

Vertiva® reduces electronic waste by reusing the smart Controller for multiple injections, which significantly lowers the cumulative device CO₂ impact.

The primary source of CO₂ emissions from electromechanical devices is the waste generated through the disposal of electronic components. By limiting this waste, **Vertiva®'s approach improves**

the sustainability of both short-term and long-term therapies, with the environmental benefit becoming more pronounced as the number of injections increases.

CUMULATIVE CO₂ IMPACT - DEVICE MATERIALS*



*Based on a material cradle-to-gate LCA on Vertiva® 3mL (analysis provided by an independent third party)

Handling Steps



Attach the **Pod** to the **Controller**



Remove the liner from the patch and apply to the body



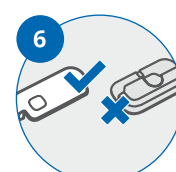
Start and control the therapy via the user interface



After the injection completes, remove the device from the body



Detach the used **Pod** from the **Controller**



Dispose of the used **Pod** and store the **Controller**

TECHNICAL SPECIFICATIONS

	3mL	10mL
Primary Container	3mL ISO standard glass cartridge	10mL EZ-fill® pre-sterilized glass cartridge
Primary Container Outer Diameter	ø 11.6 mm	ø 22.05 mm
Packaging	Standard Nest & Tub - 100pcs	Standard Nest & Tub - 42pcs
Fill Volume	1.0 – 3.0 mL	3.0 – 10.0 mL
Viscosity	Broad range thanks to motor-driven system	
Injection Time	Factory programmable down to 30 seconds/mL	
Needle	29-27 G	
Needle Insertion Mechanism	Automated insertion and retraction	
Insertion Depth	Subcutaneous	
Injection Feedback	Visual and audible feedback before, during and after injection	
Type of Delivery	Basal & Bolus options available	
Battery	Non-rechargeable & rechargeable options available	
IPX Rating	IP65	IP22
Standard Customizations	• Delivery profile • Number of therapy cycles • Audible and visual feedback • Connectivity • Colors and icons • Labelling • Fill volume	



Your Integrated Solutions Provider

Together with manufacturing of Vertiva®, Stevanato Group offers a range of optional integrated solutions including device customization, drug containment solutions, analytical services, equipment for final assembly and packaging.

Vertiva® offers a wide range of performance capabilities and is readily customizable to support therapy needs. Standard customizations include delivery profiles, user feedback, connectivity options and branding. If requested, we can also support with deeper customizations after assessing the technical feasibility.

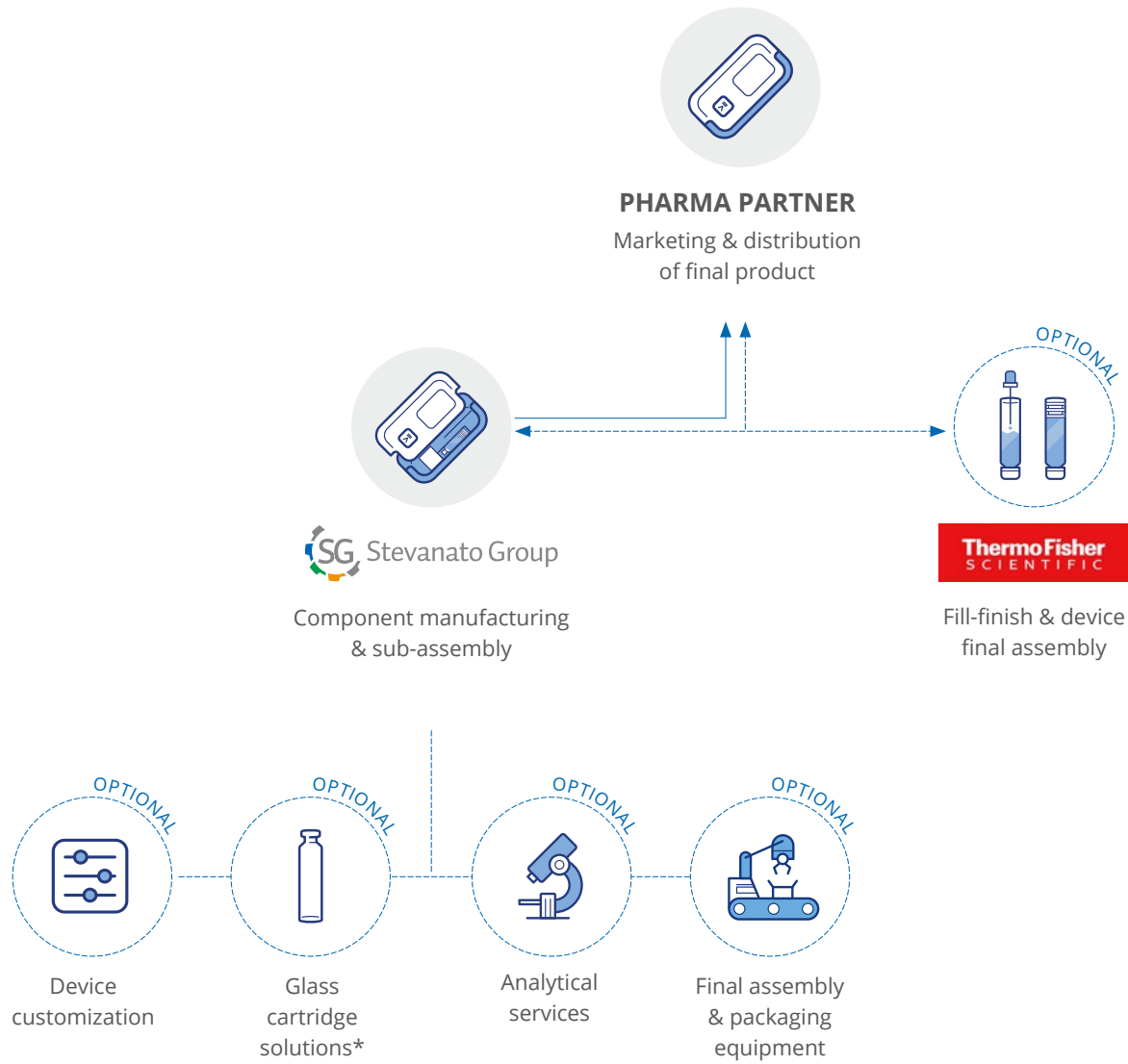
Production and sub-assembly of Vertiva® takes place at Stevanato Group's state-of-the-art, ISO13485 and ISO15378 certified, FDA-inspected device manufacturing site in Germany.

We also provide a variety of optional products and services to optimize your supply chain: our proprietary primary

packaging solutions include bulk and EZ-fill® cartridges that are optimized for integration with Vertiva®. Our Technology Excellence Center (TEC) can support customers with a suite of testing services, including drug-container-device interactions. Lastly, Stevanato Group can supply automated final assembly and packaging equipment for installation at customer locations or your selected Contract Manufacturing Organization (CMO).

If desired, we can streamline this last step through our trusted CMO partner, **Thermo Fisher Scientific, that offers optimized fill-finish and final assembly services.**





*Vertiva® 10mL compatible with Stevanato Group's EZ-fill® glass cartridges only



Headquarters

Via Molinella, 17
35017 Piombino Dese
Padova, Italy

**Global presence with operating units
and commercial offices in 10 countries.**

Visit our website to contact us.



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