



Syrina™ is our new range of innovative injection devices that utilise Bepak's proven VapourSoft™ technology, a compact and flexible energy source. A truly versatile platform technology that ranges from simple assisted syringes to fully functioning autoinjectors. The range offers a real solution for larger delivery volumes and viscous drugs.

Assisted Syringes: Syrina™ Micro & Syrina™ Mini

- Automatic drug delivery at the press of a button
- Needle visibility for precise control of injection site
- User controlled needle insertion and removal
- Syrina™ Mini incorporates a passive needle safety system

Auto-injectors: Syrina™ S, Syrina™ AS & Syrina™ AR

- Automatic drug delivery with passive needle safety system
- Hidden needle on all models, screened from patient view
- Range of functionality and sophistication, Syrina™ AR includes automatic needle insertion and retraction

WORLD CLASS DEVICES. DELIVERING QUALITY. AT EVERY STAGE.

Bepak, a Consort Medical Company, is a global market leader in the development and manufacture of drug delivery devices for Inhalation and Injectables markets.

Bepak has contributed to the design, development and industrialisation of some of the world's leading medical devices.

With an in-depth understanding of design for manufacture and a robust continuous improvement methodology, Bepak's programme management capability supports the full lifecycle of a product.

Bepak supports device programmes from pilot-scale to commercial supply.

Syrina™ | micro



Syrina™ | mini



- Over 500m devices per annum
- 26,790m² of manufacturing space
- 17,359m² of clean rooms
- 30 fully automated assembly suites
- 125 injection moulding machines
- 3.6 billion components assembled annually
- 2.6 billion plastic components moulded annually
- Six sigma quality (less than 3.4 defects/million)
- High standards of regulatory compliance, including ISO 13485
- MHRA commercial drug handling license

Figures correct as at 2.10.15.

Syrina™ | S



The Syrina™ advantage

- Complete flexibility:
 - The same physical device is easily configured to handle different viscosities, formulations, needle gauges, drugs and delivery volumes
- All devices in the range can be configured to provide the same delivery profile allowing:
 - The use of a simpler device during clinical trial and migration to a full autoinjector once requirements are fully understood
 - Different devices to be easily configured to better satisfy the needs of different patient groups and patient preferences
- No impacts that damage syringes or create an unpleasant user experience

Syrina™ | AS



The VapourSoft™ advantage

- A novel container of liquefied gas that when released provides sufficient energy in the form of a pressurised vapour to power drug delivery and ancillary functions
- Based on proven valve technology with over 1 billion produced
- Damped nature of delivery mechanism prevents impacts, ideal for glass primary containers; minimal glass breakage
- A complete spectrum of performances available; simply alter the propellant within a single container format to tailor the performance
- Space efficient energy source enables design of compact devices

Syrina™ | AR



The combination of Syrina™ and VapourSoft™ provides ultimate flexibility:

- For the first time, changes in delivery volume and viscosity can be accepted with no physical changes to the device or delay in the program
- High viscosities and high delivery volumes can be handled with ease - 2ml of 200 cPs formulation can be delivered within 10 seconds without a problem
- Different primary containers can be handled without any performance penalty
 - Containers with a wider diameter offer no additional challenges; 1ml standard, 1ml long and 2.25ml syringes can be used without any decrease in performance
- Nature of drive mechanism ensures that the primary container is completely emptied
- Consistent delivery performance across the Syrina range
- Syrina options available now for use in clinical trials

Syrina™

 **VapourSoft™**