



Global Product Portfolio

Healthcare Dispensing Systems



Solutions for High Regulated Markets



Gemini™ BE Nasal Pump

Key Features

- Re-engineered spray adapter with control parameters and reliable engine
- High speed to the market
- Clean room, pharma-grade and ISO production
- High dosing accuracy
- Low strokes to prime
- Capability to match existing RLD devices across a range of formulations
- More than 40 different orifice configurations for Rx line of pumps
- Ability to modify spray characteristics like DSD, plume geometry and spray pattern

Closure Sizes

Screw (GL 18, GL 18 short, 18-410, 18-415, 20-400, GL 20—grooved & smooth, 22-415, pp 18S)
Ferrule (20 mm), Snap (S 20, GS 20)

Color Options

Color options available for Nasal hoods and Finger pads

Outputs

0.050ml to 0.180ml



HiMark® CR

Key Features

- Integrated child-resistant locking feature that remains securely attached, eliminating the risk of accidental disposal
- Pinch-and-turn design relied on a simple action, not force, to open
- Audible click lets users know they've locked the bottle securely
- Ratcheted closure provides added security
- Excellent spray performance, even with viscous or no-drip formulations
- Incorporates standard closure design for easy integration with existing filling lines

Closure Sizes

GL 18, GPI18-415

Output Range

0.050 ml to 0.190 ml



Iridya® (Preservative-free)

Key Features

- Preservative-free, multidose eye dropper
- Familiar squeeze-bottle dropper design
- Consumer-preferred design validated by qualitative testing
- Elongated tip for ease of use and precision
- Laser welded safety seal for security
- Tamper-evident tear-off strip
- Overcap for prolonged use and on-the-go lifestyles
- Low squeeze force
- Controlled application for exact dosing
- Compatible with most market formulations, from low to high viscosities
- Delivery system for both over-the-counter and prescription drugs
- Designed and challenge-tested for preservative-free formulations
- Entire device can be sterilized via gamma irradiation
- Drug Master File (DMF #34286)

Bottle Sizes and Makes

5 ml, 10 ml

White and transparent bottles available

Senior-friendly material for low bottle squeeze force

Options

Standard Hood, Isle Hood

Diverse colors on request

Outputs

25 to 45 µl, depending on formulation

Custom outputs available



Mark II™

Key Features

- Excellent atomization capabilities with great performance and quality
- All pharma-grade materials comply with European and U.S. regulations
- Standard white color; other colors available upon request
- Available with shipping clip for various sizes and outputs
- Available with protective hood for nasal adapters in custom colors
- Drug Master File (DMF #12223)

Closure Sizes

Many standard closure sizes

Output Range

0.100 to 0.200 ml



MK™

Key Features

- Outstanding performance and dose accuracy
- Accurate priming for OTC or Rx formulations
- All pharma-grade materials comply with European and U.S. regulations
- Compliant with the U.S. FDA nasal guidelines
- Standard white color; other colors available upon request
- Available with shipping clip for various sizes and outputs
- Available with protective hood for nasal adapters in custom colors
- Drug Master File (DMF #12223)

Closure Sizes

Many standard closure sizes

Output Range

0.050 to 0.180 ml



Monodose Nasal System

Key Features

- Improved ergonomic design for improved handling and usability
- Optimized one-handed actuation
- 360° use for delivery in any position
- Ready-to-use primeless activation
- Ease of use for non-medically trained individuals
- Microbiological integrity of the primary container
- Drug Master File (DMF #36731)

Color Options

Color options available for adapter and vial holder

Outputs

~100µl Depending on the vial and fill volume



PFP N™ (Preservative-free)

Key Features

- Full protection from microbiological contamination
- No silver spring, no oligodynamic components
- Shut-off valve to avoid contamination
- Sterile air filter system for bottle venting; non-venting version also available
- Entire pump can be sterilized via gamma irradiation
- Finger flange and hood can be easily customized
- Standard white color, with clear and custom colors available
- All pharma-grade materials comply with European and U.S. regulations
- Extensive reference list
- Drug Master File (DMF #23045)

Closure Sizes

Snap-on closure S20

Output Range

0.050 to 0.140 ml with customized intermediary outputs

Consumer Healthcare



Airless Range

Key Features

- Full range of airless packaging to dispense semi-solid formulas
- Protection against formula oxidation
- High restitution rate
- 360° dispensing
- Broad range of pump engines and complementary airless bottles or tubes

Bottle Volume

5 to 200 ml

Output Range

0.080 ml to 2.5 ml



Dispenser Range

Key Features

- Lock-up or lock-down designs available
- Wide variety of head designs
- Range of options for packaging convenience and flexibility

Closure Sizes

Ribbed: 24-400

Smooth or ribbed: 24-410, 24-415, 28-410, 28-415

Output Range

0.5 ml to 4 ml



Foamer Range

Key Features

- Propellant-free foamers
- Handheld, table-top or squeeze gesture
- Easy to actuate
- Broad customization options
- Complementary bottles with decoration options

Closure Sizes

30 mm, 40 mm, 43 mm

Output Range

0.4 to 1.5 ml



Sprayette™ IV

Key Features

- Pure Path™ technology for a metal-free fluid pathway
- Highly customizable with variety of output sizes and protective hoods
- Higher-output large mist sprayer
- Exceptional performance with aggressive formulas
- Wide range of spray pattern options
- High discharge volume for oral and topical applications

Closure Sizes

24-410, 28-400, Snap-on S26

Output Range

0.350 to 0.700 ml



Sinfonia®

Key Features

- Versatile product range with many options for outputs, closures and adapters
- Easily customized with numerous aesthetic options
- Topical, oral and nasal options available
- Dose counter and safety clip options available
- Suitable for non-drip nasal sprays and other viscous formulations
- Wide output range with many options
- For aggressive products, alternative materials can be provided for critical pump components
- Child-resistant option available
- Drug Master File (DMF #28564)

Closure Sizes

Many standard closure sizes

Output Range

0.050 to 0.190 ml



Mark VII® Max

Key Features

- Compatible with most high-viscosity formulations
- Spray and cream versions with excellent priming and smooth actuation
- Natural gasket for invisibility in translucent closures
- Variety of closures, heads, hoods and orifice cups for maximum flexibility and compatibility across platforms and product lines
- Inverted version available for upside-down spraying
- Drug Master File (DMF #22653)

Closure Sizes

Ribbed: GL 20, 20-400

Smooth or ribbed: 20-410, 22-415, 24-410

Snap-on: GS 30, GS 31

Ferrule: 20 mm

Outputs

0.160, 0.210, 0.300 ml, 0.180 ml for inverted version



Trigger Range

Key Features

- Full range of triggers from heavy-duty high-output models for professional applications to smaller, economical sprayers for ready-to-use products
- Proven reliability and performance
- Many spray, stream and foam configurations
- Multiple shrouds, closures and actuators
- High chemical compatibility
- Child-resistant option available
- Certified recyclable options available

Closure Sizes

28/400, 28/410 and non-removable closures available

Output Range

0.90 ml to 1.60 ml

Adapters

Nasal Applications



Round



Square



Oval



Mini



Ear Adapter



Shroud



Hexagon



Elegant

Oral Applications



Throat Adapter Short



Throat Adapter Medium



Throat Adapter
Medium + Protection



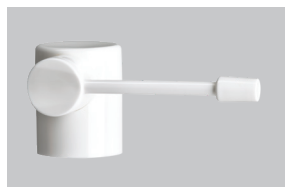
MTA5¹



Spray Extender²



Throat Adapter Long



Throat Adapter Articulated³



ATA 19



SATA Narrow

Topical Applications



Dispensing Head



Spray Head 16 mm



Spray Head with Capillary Tube⁴



Spray Head 16 mm

Ophthalmic Applications

All adapters fit on Mark II and MK with the below exceptions:

¹ MTA5 fits on Sinfonia

² Spray extender fits on Mark VII Max

³ Throat adapter articulated-F on ferrule only

⁴ Spray head on capillary tube on special request only

Additional nasal, oral, topical and ear adapters available through partners



Elevating the experience worldwide

With our responsive global network and team, you get a partner that's committed to delivering better experiences that move your brand and business forward.

silgandispensing.com/our-locations