



Dormex Containers Ltd



# Healthcare Dispensing Systems



## The right dispensing systems partner for your needs

The pharmaceutical industry is as dynamic as ever.

With accelerating consolidation, new regulations and shifting priorities, it seems the only constant is change. Operating in this environment can be challenging, particularly as resources are cut but growth expectations remain. Whether you're launching a new product, creating a line extension or seeking an alternative supplier, the right dispensing systems partner can fill the resource gaps and pave the way for growth.

### End-to-end services

Silgan Dispensing Systems Healthcare is more than a supplier of pumps and sprayers for your nasal and topical medications. We provide real value by partnering with you to understand your needs and guide your project through every step of the process. Our global team of experts delivers end-to-end services including consumer insights, design, regulatory affairs, engineering, project management and lab support.

### Responsive manufacturing

When your product demand increases, SilganDispensing Systems will be ready. We aim to maintain short lead times and invest in increasing our capacity as the market demands it. We know that capitalising on opportunities as they arise and ensuring supply security are important to you, and we are flexible in our approach to providing you with a level of service that exceeds your expectations and helps you deliver results.

### Industry-leading solutions

We believe that packaging does more than simply contain or dispense medication. Well-thought-out quality packaging can give your brand an edge in the marketplace that translates to improved patient loyalty, satisfaction and adherence. At Silgan Dispensing Systems, we infuse consumer insights throughout our development process to provide your patients with superior healthcare dispensing systems.



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## Pump Solutions



### MK

#### Key Features

- Excellent priming, dose control, quality and atomisation.
- Tight control of output, spray pattern, and particle size.
- Wide variety of adapters for nasal, oral and topical applications.
- All pharma-grade materials and pharma GMP control room manufacturing.
- Drug Master File (DMF)

#### Closure Sizes

Many standard closure sizes

#### Output Range

0.050 - 0.140ml



### Mark II

#### Key Features

- Well-established, high-value fine mist pump with strong market presence.
- Offers wide variety of adapters for pharmaceutical delivery systems.
- Excellent atomisation capabilities with great performance and quality.
- Drug Master File (DMF)

#### Closure Sizes

Many standard closure sizes

#### Output Range

0.100 - 0.200ml



### Mark VII Max

#### Key Features

- Compatible with most high-viscosity formulations.
- Spray and lotion/cream versions with excellent priming and smooth actuation.
- Natural EVA gasket for invisibility in translucent closures.
- Variety of closures, heads, hoods and orifice cups
- Spray extender and stopper available.
- Inverted version available.

#### Closure Sizes

Ribbed: GL 20, 20-400

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

FEA 20, GS30, GS31 (with 0.180ml only)

#### Output Range

0.160, 0.210 or 0.300ml with custom intermediate outputs.



### Sprayette IV

#### Key Features

- Pure Path technology for a metal-free fluid path.
- Delivers a high discharge volume for oral and topical applications.
- Highly customisable with variety of output sizes and protective hoods.

#### Closure Sizes

24-410, 28-400 Snap-on S26

#### Output Range

0.350-0.700ml



### HiMark

#### Key Features

- One of our most versatile pumps, it is suitable for a range of difficult, viscous and aggressive formulations.
- Available in a wide range of dimensions, finishes, spray angles and outputs.

#### Closure Sizes

Many standard closure sizes

#### Output Range

0.050-0.190ml



### HiMark CR

#### Key Features

- Meets highest level of a child resistance while still being easy for adults to use.
- Integrated locking feature provides security, even if the hood is lost or left off.
- One of our most versatile pump engines, it is suitable for a range of difficult, viscous and aggressive formulations.
- Available in a wide range of dimensions, finishes, spray angles and outputs.
- Drug Master File (DMF)

#### Closure Sizes

GPI 18-415 non-removable

#### Output Range

0.050-0.100ml



# Preservative-Free Pump (PFP) Solution

## PFP N (Nasal)

### Key Features

- Allows customers to remove preservatives or address challenges with oxygen-sensitive formulations.
- 5-fold mechanical protection without the use of silver.
- Optional filter element for contamination-free ventilation.
- Clean room manufacturing and sterilisation via gamma irradiation.
- Non-return valves directly below orifice bore and in the metering chamber.
- Locked nasal adapter.
- Sealed air path during storage.
- Drug Master File (DMF)
- Non-vented version available.

### Closure Sizes

Snap-on closure S20

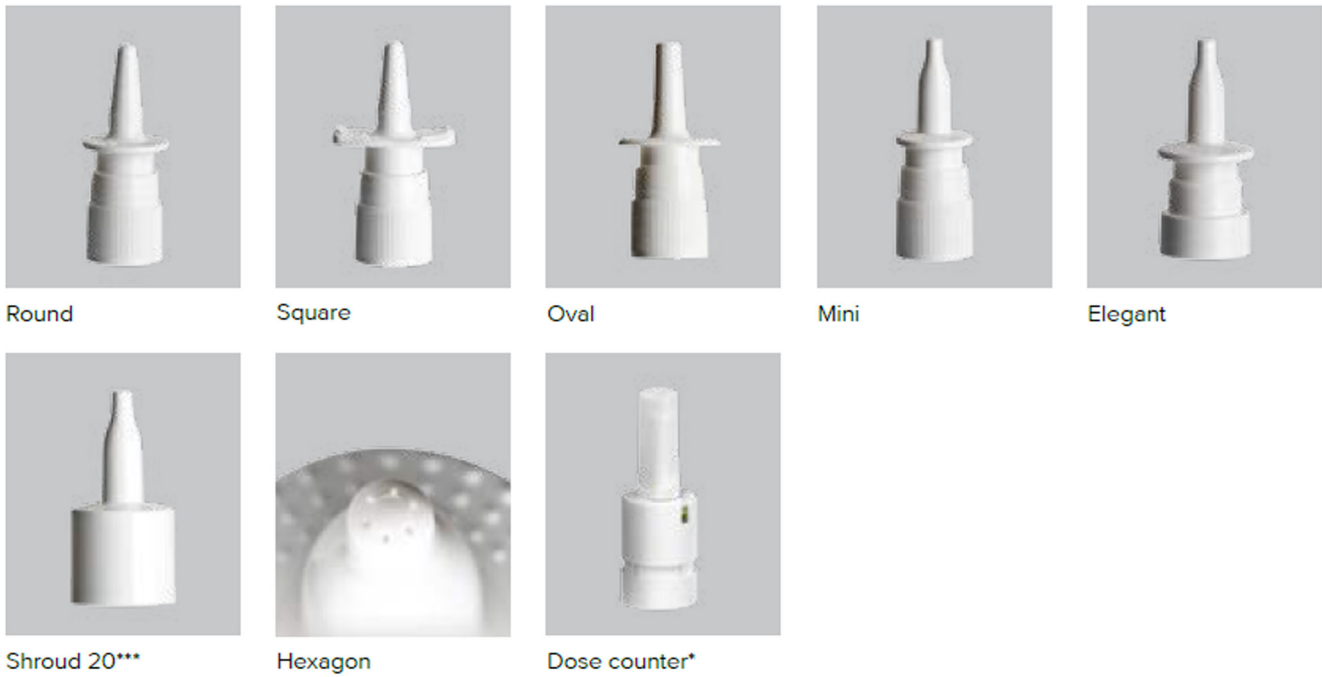
### Output Range

0.050-0.140ml with custom intermediate outputs.



## Adapters

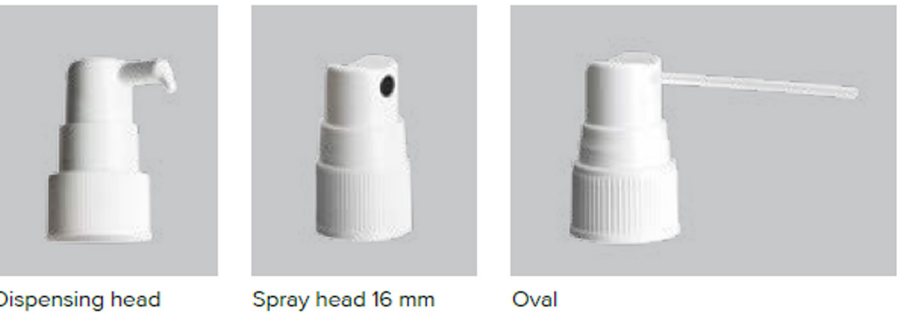
### Nasal Applications



### Oral Applications



### Topical Applications



### Ear Applications



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

\* Dose counter and MTA5 fit on HiMark

\*\* Spray extender fits on Mark VII Max

\*\*\* Compatible with ferrule closures

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



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