

Actuator



Dose volume: 50 µl to 140 µl

Closure

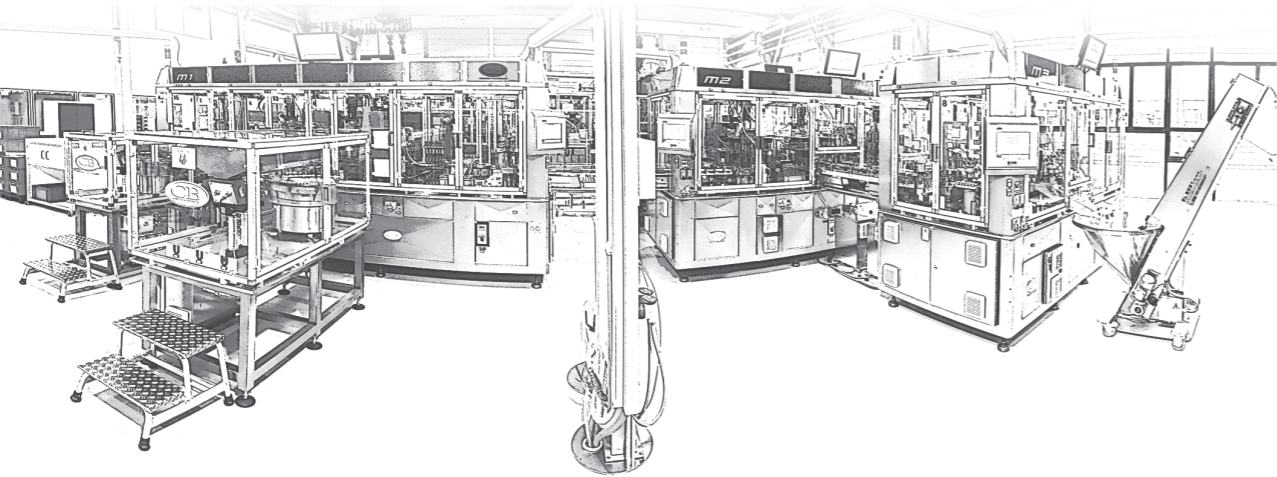


Snap-on
Size: 20 mm



State of the art production

- 100 % in process control of all critical interfaces
- 100 % in process control of tip-seal integrity
- 100 % in process control of filter integrity



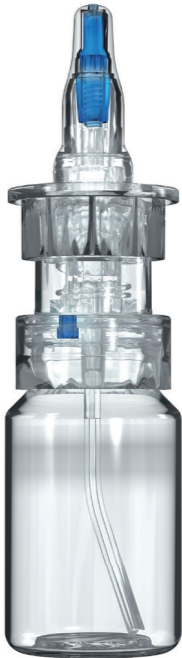
STERILE
ISO11137
VALIDATED



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Delivering solutions, shaping the future.



Advanced Preservative Free



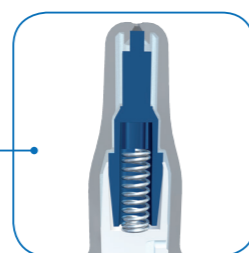


Advanced Preservative Free

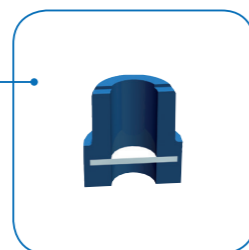
Gold standard for unpreserved nasal sprays

Benefits

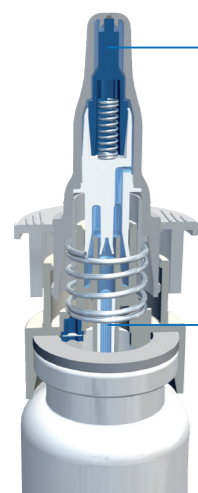
- Soft and gentle mist
- Metal free fluid path
- Sterile according to ISO11137
- Purely mechanical barrier, no additives
- Supporting successful brands globally



- Spring loaded Tip-Seal mechanism



- Filter membrane in ventilation channel



Qualified with challenging microbiological tests



TSIT
(Tip Seal Integrity Test)

Submersed actuation in *Pseudomonas aeruginosa* suspension

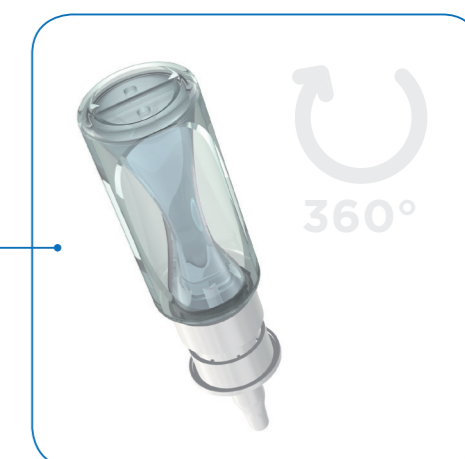


CVIT
(Closure Ventilation Integrity Test)

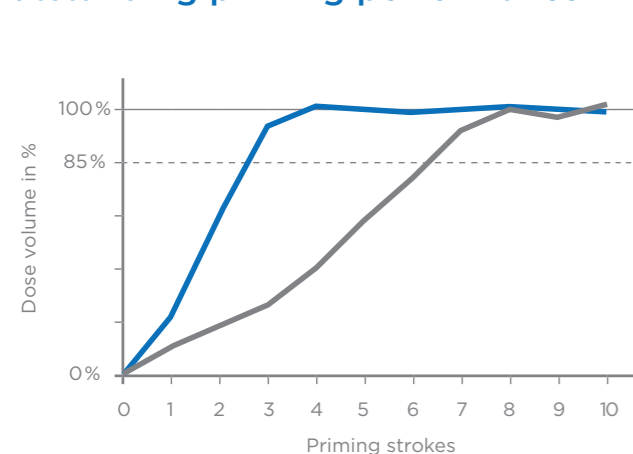
Closure and filter challenge with *Bacillus atrophaeus* spores

Full 360° Functionality

- Unvented preservative free system
- Pouch system allows for 360° use
- Convenient and intuitive handling

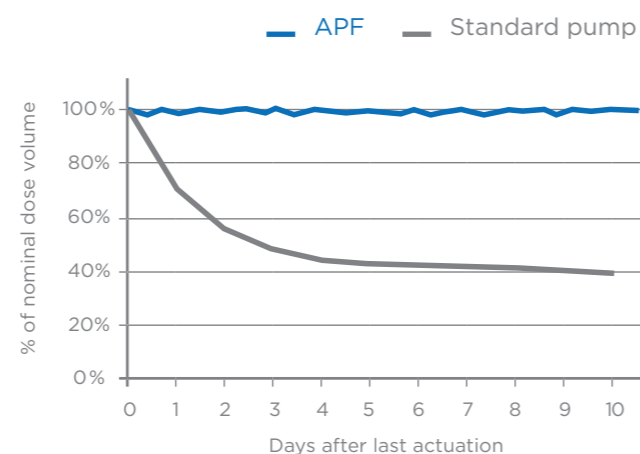


Outstanding priming performance



APF advantages

- Fast priming
- Constant dose volume



APF advantages

- Very low loss of weight
- No re-priming necessary