

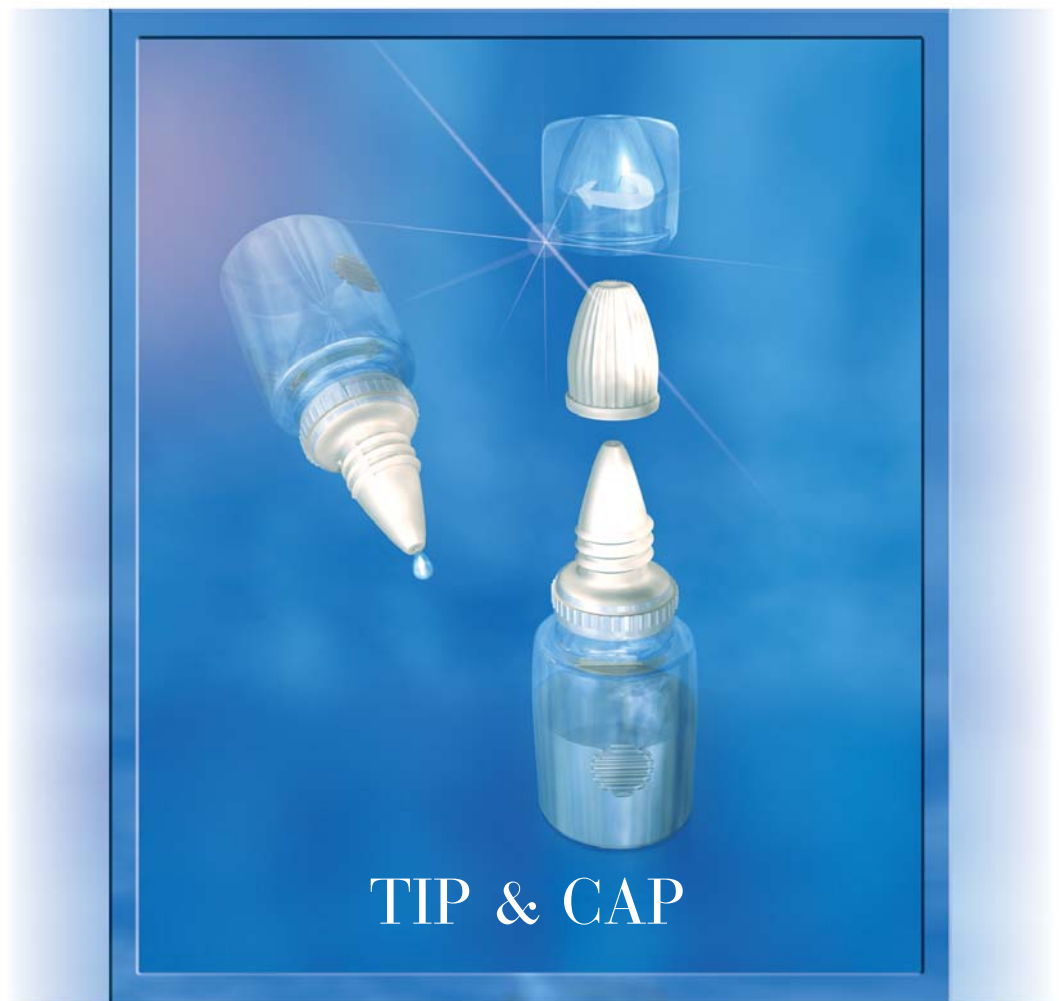
BOTTELPOST

B L O W - F I L L - S E A L - T E C H N O L O G Y

bottelpack[®]

THE LEADING BRAND IN BLOW-FILL-SEAL TECHNOLOGY

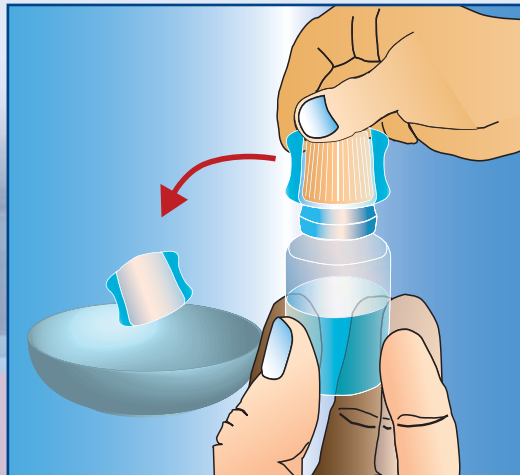
Blow-Fill-Seal Technology for ophthalmic applications/products



rommelag[®]

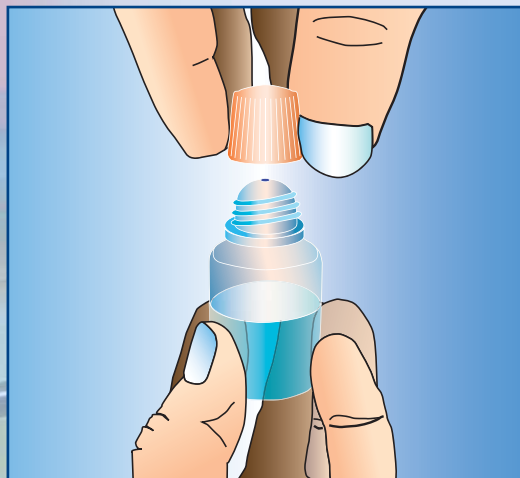
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Multi Doses



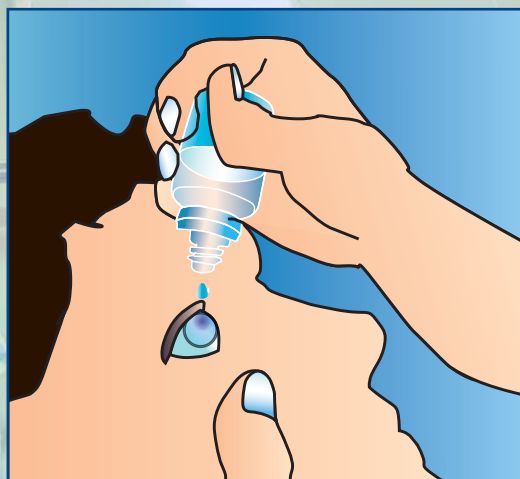
A) Remove tamper-evident protection

Before first time application, twist-off and dispose of the tamper-evident protection cap.



B) Application (multiple)

- Remove screw cap
- Squeeze the bottle to dispense the exact number of drops required
- The weight of these drops is constant



Innovation Tip & Cap

From the beginning of the 1970's, the bottel-pack® system established itself very rapidly in the field of eyedrops and ocular medicine for volumes of typically between 5 and 15 ml. These plastic bottles are blown, filled and sealed under sterile conditions. The Tip & Cap solution is tamper-evident, provides great safety by assuring control of the flow and size of drops and is easy to use. Therefore, the sterile two-piece Tip & Cap component is inserted at the end of the bottleneck moulding stage. Before first time application the tamper-evident protection cap is to be removed and disposed of. Each time the product is used the screw cap has to be removed and the bottle has to be squeezed to expel the exact number of drops required.



The regular flow and size of the drops depends upon the diameter of the hole and the pressure exerted by the fingers. This system is simple, safe, practical and justifies the higher costs due to the tamper-evident closure and additional Tip & Cap insert. It has been used for many years.

Safe utilisation

The weight and control of the drop depend on several factors, in particular the viscosity of the product. Therefore, each individual application must be studied in detail to find the best possible specifications for the calibrated dropper component in relation to the required dosage of the product in question.

However, the disadvantage of these solutions is that they considerably increase the cycle time which in turn reduces the hourly rate of production.



- *Single drop application*
- *Metered drop size*



Tamper-evident PE-ampoule with inserted Tip & Cap



Before first time application twist-off the tamper-evident protection cap and dispose



Remove the screw cap for application

bottelpack®



bottelpack® aseptic machines have a modular design, an integrated clean room class A (US-class 100) and an optional dark/white-machine separation. The fully automatic machines work either intermittent cycle with one and two moulds or continuously with rotating moulds. All are automated CIP/SIP-capable. The machine capacities vary according to the container characteristics. 0,1 ml to more than 1.000 ml containers are filled at rates up to 30.000 containers/h. The filling is done by an extremely accurate time-pressure-dosing system.

Customer Service

The rommelag® companies have representations in many countries and utilize outstanding specialists to advise customers all over the world regarding pharmaceutical container selection and design, product compatibility of

Corporate Description

rommelag® is the inventor of the Blow-Fill-Seal (BFS) Technology and is the worldwide leading manufacturer and supplier of bottelpack® advanced aseptic BFS machines. bottelpack® machines have been supplied for packaging sterile liquids, creams and ointments. rommelag® also supplies complete finishing lines as well as leak detectors and cap welding machines.

The rommelag® organization consists of several factories and commercial offices. Today there are two sales offices for the marketing of bottelpack® systems, rommelag ag located in Buchs (Switzerland) and rommelag Kunststoff-Maschinen Vertriebsgesellschaft mbH headquartered in Waiblingen near Stuttgart (Germany). They are supported by two contact offices located in Evergreen (USA) and Shanghai (P.R. China). In total more than 1.000 employees are at the customer's service.



Products

- bottelpack® machines
- cap welding machines
- high voltage leak detectors
- finishing lines

plastics, closures design and requirements. They also provide competent advice in environmental matters. rommelag® has close contacts with plastics manufacturer's technical application departments and other related institutions.

rommelag®

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