

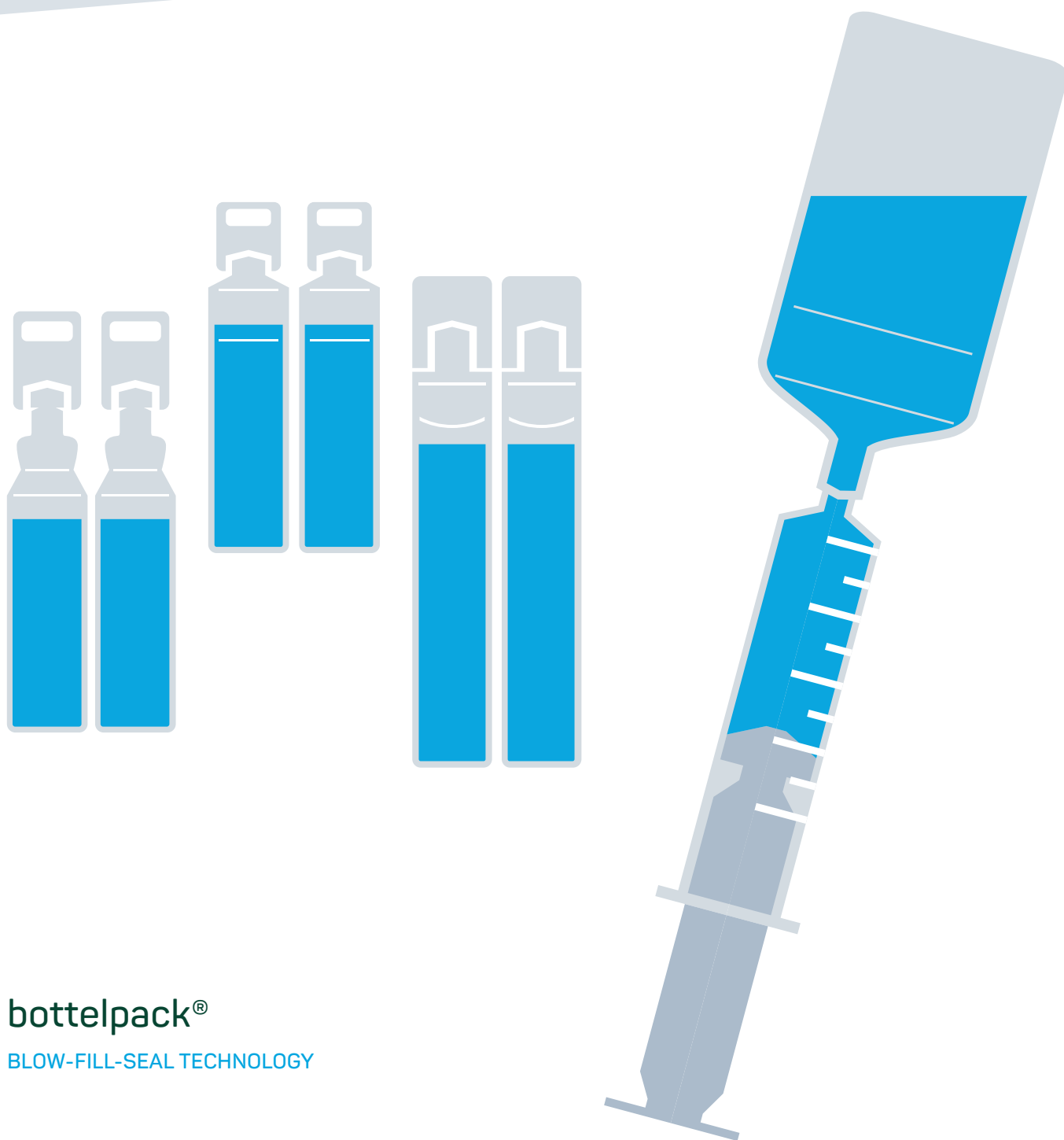
FILLING YOUR NEEDS



BOTTELPOST

SVP

APPLICATIONS IN THE FIELD OF SMALL VOLUME PARENTERALS



bottelpack®

BLOW-FILL-SEAL TECHNOLOGY



Separate one ampoule from the block.



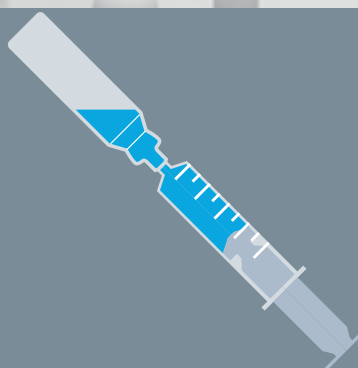
Shake down any contents from neck



Hold ampoule body firmly. Grip arrow between thumbs and forefinger of other hand (thumbs away from you). Twist quickly to open.



Connect luer tip syringe directly to ampoule.



Invert ampoule and withdraw contents slowly.

INJECTABLES

Large and small volume parenterals, multi-dose and unit-dose containers for ophthalmic products, inhalation therapy, all these products have one thing in common – they show an impressive increase of presentations in plastic. This is not surprising. The convenience in use and the elimination of potential hazard in handling the safe and environment friendly disposal are key factors for the use of this packaging material.

The Blow-Fill-Seal Technology (BFS) has a number of advantages over conventional filling systems.

CONVENTIONAL PROCESS

Supply of containers
Transport into sterile room
Container cleaning
Container sterilization
Transport process under sterile conditions
Prep. filling product for sterile filling
Aseptically operating filler
Transp. under sterile condition
Closure part supply, cleaning, sterilization
Capping under sterile condition
Output from sterile room

bottelpack® (BFS) PROCESS

Supply of plastic granulate	Preparation of product for sterile filling
Aseptic manufacturing filling and closing in the blowing mould without changing the place	

The BFS process in marked contrast is very simple. Plastic granules are formed into a mould, filled and sealed under sterile conditions. The containers are then leak tested, inspected, autoclaved, labeled and packed.

rommelag®, the inventor of the BFS Technology, has developed the ampoule designs further. The combined luer-ampoule for all kinds of small volume parenterals is yet another example.

This design has outstanding advantages for the user. Ampoules are easily opened by a quick twist action. A unique ampoule/syringe docking system allows direct withdrawal of the contents using a standard taper luer or a luer lock syringe. Needle-free withdrawal eliminates the risk of sharps and needle-stick injuries. The ampoule body collapses easily and completely and leaves no rest-volume in the pack. Another important advantage is that the ampoule may remain attached to the syringe until application, thus allowing easy identification of the product to be administered.

In short the major advance in ampoule technology offers:

- needle free withdrawal
- no cut or stubbed fingers
- no glass, bacteria or plastic particles in solution
- no breakages during handling
- easy to store and transport
- safe pollution free disposal

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