

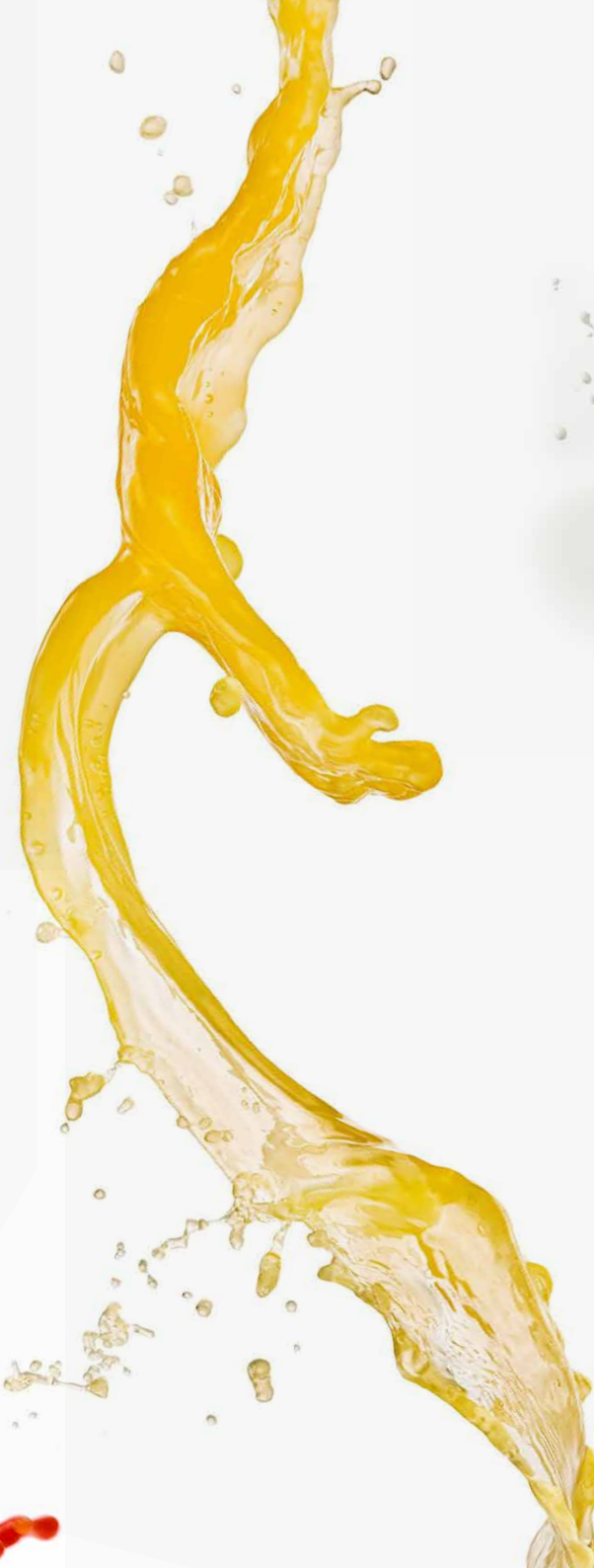
Innovative
Solutions.

Cmpeten

Safe and versatile:
plastic closures. For a wide
variety of container materials.

Always the first choice for mineral waters, juices, isotonic beverages, teas, fresh milk, and dairy products – plastic closures from Silgan Closures. We produce innovations for renowned customers in more than 50 countries across the world. Liquid cartons and plastic sports drinks bottles are among those sealed with our closures, which are always safe and user-friendly for the consumer.

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Whether hot, cold or aseptic fill, our excellent closures are tamper-proof, preserve product quality and are effortlessly resealable. Our range includes Plasti-Twist® in various types – e.g. mono-material with liners, pads and induction heat seals for liquid foods and non-carbonated beverages – along with sports caps, carton closures and HOD water closures.

Our plastic closures are constantly being optimised to suit ever-changing markets, quality requirements, and consumer needs. Their materials meet the strictest European food laws and are suitable for international usage. Benefit from our experts' experience and know-how resulting from years of research, development, and practical application.



Flat closures for Cold Fill applications.

Our 38 mm closure range has been specifically developed for today's market with a focus on filling line efficiency and a responsible use of materials. All of our products are manufactured under hygienic conditions using only food grade materials.



Foam & Foil Liner

38 mm Closures can be supplied with a range of liner seals. The EPE Foam liner provides a secure reseal and the Induction Foil Seals (IHS) ensure freshness of product and consumer confidence. Foils are available in a range of formats including single tab, tritab or as a top-tab style seal.



Characteristics	P0383LX	P0383LB	P0383LO	P034TS3	P038EGF	P038STS
Cold Fill	✓	✓	✓	✓	✓	✓
Aseptic compatible		✓				
34 mm 8 lead thread				✓		
38 mm 1 start					✓	
38 mm 3 start	✓	✓	✓			
38 mm 7 start						✓
EPE Foam Liner Seal	✓					
Bore seal		✓		✓		✓
IHS foil Seal			✓		✓	
Foil Liner					✓	
Drop down folded j-band	✓	✓				
Tear off band				✓		✓
HDPE material	✓	✓	✓		✓	
LDPE material				✓		✓
Available with 90 knurls	✓	✓				
Available as overcap shell			✓			
for PET and HDPE				✓		
ideal for HDPE dairy					✓	
ideal for HDPE container						✓



Robust solutions for Hot Fill applications.

Our Hot Fill closures are designed to provide security and freshness for non-carbonated beverages and liquid foods. Suitable for filling up to 85°C, the range now includes proven elastomer liner, induction foil seals and one piece closures. With printing and sports caps available for 2 and 3 start neck finishes, there are options for all applications.



Characteristics	P038VEF Plasti-Twist®	P038VEF Mono Plasti-Twist®	P038TFD	3LJ Sports Cap
Hot Fill	✓	✓	✓	✓
Cold Fill	✓	✓	✓	✓
38 mm 2 start	✓	✓	✓	
38 mm 3 start				✓
One piece bore seal design		✓		
IHS foil liner seal			✓	✓
Folded slit j-brand	✓	✓		
Dual TE bands			✓	✓
PP/LPDE material			✓	✓
Available with 128 knurls	✓	✓		
Pull up marks	✓	✓		
4 colour printing	✓			
BSDA compliant			✓	✓

Sports Caps

Popular, market proven Sports Caps applications.

The Flip Top closure is the latest to be developed to meet the demands for on-the-go beverage closures. It is easy to apply for fillers and convenient to use for consumers. We believe the established and developing markets need added value options to differentiate their products. Our range of conventional push-pull and one-step flip top sports caps meet the needs of local and global brands.

Our sports closures have been designed for maximum line efficiency and consumer safety. The robust design of the cap with our tamper evident spout design ensures our closures perform to the highest safety and performance requirements. All of our 3 piece caps comply with the BSDA code of practice for sports closures.





Characteristics	P038TFD	P028SCV/N	P028FTP	P02818V/N	P038MCX	P02881F
Hot Fill	✓					
28 mm PCO thread		✓	✓			
28 mm 1881 PCO thread				✓		✓
38 mm 2 start	✓					
38 mm 3 start					✓	
Bore seal		✓	✓	✓		✓
IHS foil liner seal	✓					
for conduction seal					✓	
Dual TE bands	✓	✓	✓	✓		✓
Spout TE band					✓	
PP/LDPE material	✓					
HDPE/PP material		✓	✓	✓	✓	✓
Sports overcap					✓	
Vented or solid cover		✓		✓		
One step opening			✓			✓
BSDA compliant	✓	✓		✓		

5 Gallon K-Seal Closure. Next-generation closure technology for the bottled water market.

With over 40 years experience as a supplier to the water industry, Silgan Closures are constantly looking for innovative ways to improve or re-think the products they create. And they've done it again – with the K-Seal, an improved closure for the bottled water market.

For ease of use in the market place, and to improve the operation of the non-spill plug system, Silgan Closures have developed the Probe+® system. Probe+® ensures full plug engagement to the cooler spike with minimal risk

of miss-application and detached plugs. Designed and proven to operate on a wide range of water coolers, the Probe+® keeps hygiene levels high and bottles consistently sealed when not in use.

The Flow Seal material has been reformulated so it dramatically reduces the ability for microbes to attach themselves to the material surface and survive. With a reduction in pigment usage, it also substantially reduces the risk of Taste and Odour issues.



5 Gallon Water n

But that's not all.

Because it's produced using the very latest manufacturing techniques, along with a new resin and low-power consumption moulding during production, K-Seal can not only lower your carbon footprint, it can also be introduced to existing filling lines. And, because it retains the overall height of a standard 5 gallon closure, there are little or no alterations needed to your filling and capping equipment.

So, if you want a plug and play water cap system that's better for your productivity – and the environment – it has to be the new K-Seal from Silgan Closures.



Snap-On closures for HOD water bottles and cooler systems.
All raw materials used in the manufacturing process of 5 gallon closures are fully approved for direct food contact and meet the requirements of all relevant EU directives and the FDA (Food and Drug Administration).

Characteristics

P0555GN Non-Spill P0555GK K-Seal

EU approved Foam Liner Seal	✓	
Flexible gasket style seal		✓
PC/PET 55mm Snap Neck Finish	✓	✓
Tear off skirt	✓	✓
LDPE material	✓	✓
Single Stick TE Label	✓	✓
Custom Label Designs Available	✓	
Plug System compatible with all water coolers	✓	
Prove+® re-sealable Plug System		✓

Carton Fitments



Carton Innovation.

A history of innovation in carton fitments had led to the latest 'ELC' designs. The unique seal design delivers a fresh product every time and the safe, positive tamper evidence means these products are more robust, safer and easier to open than ever before.

Carton Fitments for Ultrasonic application to liquid cartons.

Our EL and ELC fitments provide all round freshness and security. We offer barrier expertise with the EL membrane technology and one-step opening with the unique ELC design. Manufactured to the highest

standards, these lightweight fitments are suitable for all gable top style cartons and perform to the highest standards. Larger diameter fitments available.




The ELC products are a unique tamper evidence method, developed by Silgan to improve the performance and safety of TE bands on carton fitments. The flexible flights ensures the TE band stays securely retained on the spout after opening; it is a scalable design that can be used on fitments up to 36 mm diameter.



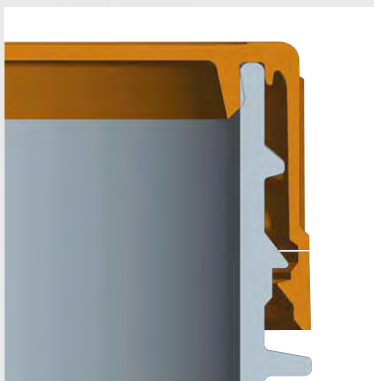
Characteristics	P030ELC	ELC30E	P030ELM	P035ELC
Unique patented bore seal	✓	✓		✓
Pull ring membrane			✓	
Pull ring removable membrane			✓	
30 mm carton hole	✓	✓	✓	
36 mm carton hole				✓
Small diameter flange		✓		
patented retained TE band	✓			✓
LDPE material	✓	✓		
HDPE/LDPE material			✓	✓
Non barrier fitment	✓	✓		✓
Single step opening	✓	✓		✓

Aseptic Applications



Robust Solutions for
Aseptic applications.

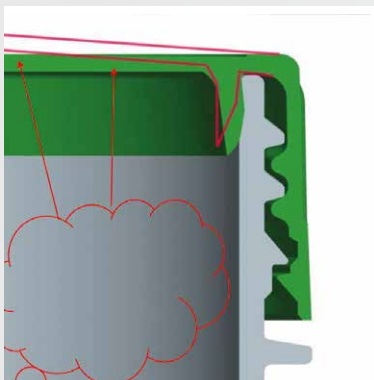
Designed for cold Aseptic filling, our range of 38 mm closures ensures integrity of product whilst providing security and tamper evidence. Customised closures are available with embossing or debossing. Multiple seal options are available to suit all applications.



Single seal



Double seal



Safe venting releases pressure build up caused by fermentation



Characteristics	P0383LA	P0383TS	P038CVT Plasti-Twist®	P038CED Plasti-Twist®
Cold Fill			✓	✓
Aseptic compatible	✓	✓	✓	✓
38 mm 2 start				✓
38 mm 3 start	✓	✓	✓	
Triple seal		✓		
Bore seal	✓			
Twin seal		✓		
Drop down slit bump band	✓	✓		
Drop down slit TE band		✓		✓
HDPE material	✓	✓	✓	
Available with 120 knurls				✓
Integral Venting	✓			
4 colour printing			✓	✓

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