

S Innovative
olutions.

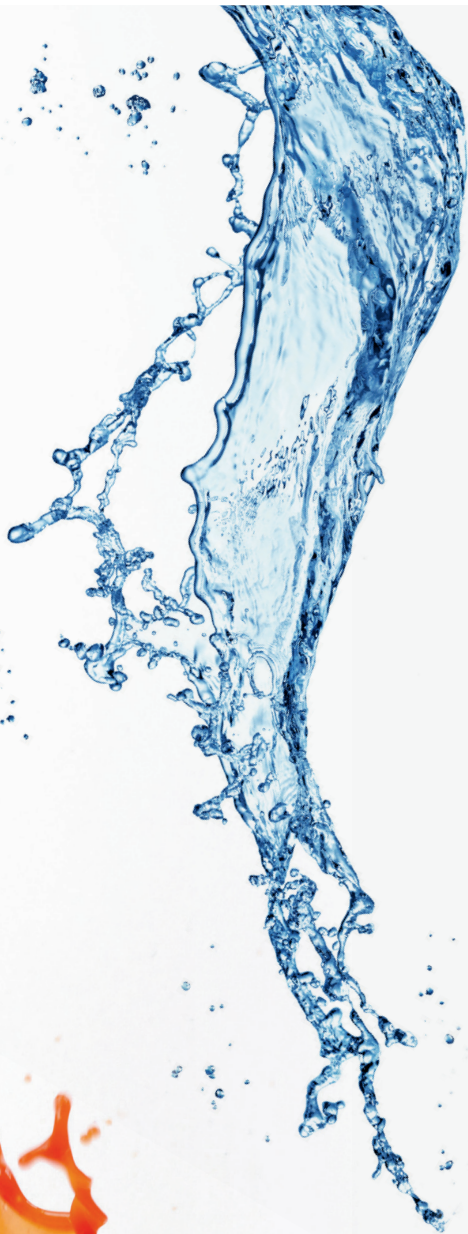


C mpetence

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 userfriendly for the consumer.

ce



Whether hot, cold or aseptically filled, our superior 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 and sustainability needs. Their materials, whether fossil, bio plastic or post-consumer recycled (PCR), comply with the strictest European food laws and are suitable for international usage. Benefit from our experts' experience and know-how, which is the result of many years of research, development, and practical application.

Please also do not hesitate to contact our experts for any questions regarding the upcoming single-use-plastic (SUP) regulation furthered closures.



Flat closures for Cold Fill applications.

Our 38 mm closure range was 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, and only food grade materials are used.



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 Seal (IFS) ensures freshness of the product and consumer confidence. Foils are available in a range of formats including single tab, tri-tab or top-tab style seal.

**Cold Fill****P0383LX****P038STS****P0383OX****P034TS3****P038EGX****P038ECO**

Neck Finish	Diameter (mm)	38	38	38	34	38	38
	Threads	3	7	3	8	1	1
Seal Type	Bore Seal		✓		✓		
	Foil Seal (IHS)	✓		✓		✓	✓
	Foam Liner	✓					
	Overcap only			✓			
Tamper Evidence	Drop down	✓					
	Tear-Off		✓		✓		
	Folded	✓					
Closure Material	HDPE	✓	✓	✓	✓	✓	✓
Container Type	PET	✓		✓	✓	✓	✓
	HDPE	✓	✓			✓	✓
Features	Pressure						
	Straw		✓				
	Nitrogen						
Design	Embossing	✓					
	Debossing	✓					



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.



**P038VEN/P
Plasti-Twist®**

Hot Fill

Neck Finish	Diameter (mm)	38
	Threads	2
Seal Type	TPE Liner	✓
	Foil Seal (IHS)	
Tamper Evidence	Drop down	✓
	Tear-Off	
	Foil	
Closure Material	PP	✓
Container Type	PET	✓
Design	Printing	✓

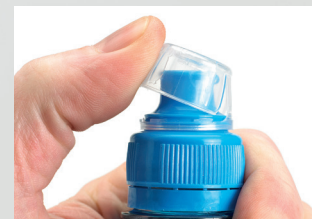


Sports Caps

Popular, market proven
Sports Caps applications.

The Flip Top closure is the latest development that meets 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 were 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.





Sports Caps

P038MCX

P038TFD

P02881F

P02818N/V

P028SCV/N

		P038MCX	P038TFD	P02881F	P02818N/V	P028SCV/N
Neck Finish	Diameter (mm)	38	38	28	28	28
	Threads	3	2	PCO 1881	PCO1881	PCO 1810
Seal Type	Bore Seal		✓	✓	✓	✓
	Drop down		✓	✓	✓	✓
Tamper Evidence	Spout TE	✓			✓	✓
	Overcap for Conduction	✓				
Closure Material	HDPE/LDPE/PP	✓			✓	✓
	HDPE/PP			✓		
	HDPE		✓			
Container Type	PET		✓	✓	✓	✓
	HDPE	✓				
Option	Vented Dust Cover				✓	✓
	Hot Fill					✓

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

With more than 40 years of 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 by using the very latest manufacturing techniques along with a new resin and low-power consumption moulding during production, K-Seal not only lowers your carbon footprint, it can also be incorporated into existing filling lines. And as it retains the overall height of a standard 5 gallon closure, there are no little to 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 should 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).

5 Gallon Water

P0555GK K-Seal

Flexible gasket seal	✓
PC/PET 55 mm Snap Neck Finish	✓
Tear-Off TE skirt	✓
LDPE material	✓
Single Stick TE Label	✓
Custom Label Designs Available	✓
Cooler compatible Non-Spill plug system	✓
Probe+® re-sealable Plug System	✓

Carton Fitments



Carton Innovation.

A history of innovation in carton fitments has led to the latest 'ELC' designs. The unique seal design always delivers a fresh product 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 fitments provide allround 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.




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 ensure 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.



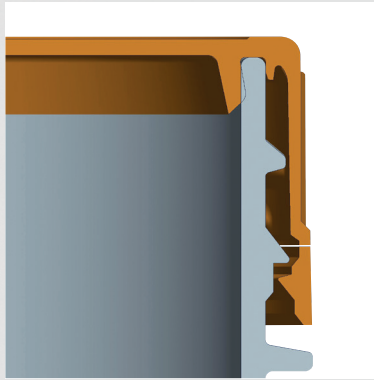
Carton Fitments	P030ELE	P030ELM	P035ELC
30 mm carton hole	✓	✓	
36 mm carton hole			✓
Patented ,ELC' TE Band	✓		✓
Removable Pull Ring Membrane		✓	
Small diameter flange	✓		
HDPE/LDPE material	✓	✓	✓
One-step Opening	✓		✓
Break for seal	✓		
Tethering optional	✓		✓

Aseptic Applications

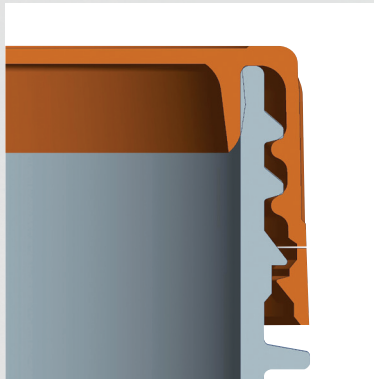


Robust Solutions for
Aseptic applications.

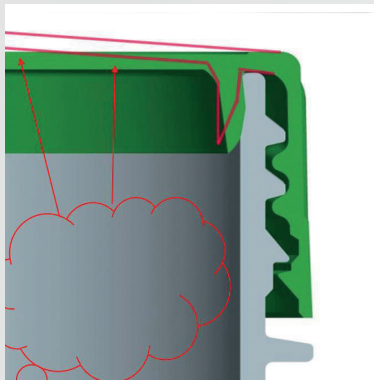
Designed for Cold Aseptic Filling (CAF), our range of 38 mm closures ensures integrity of the product whilst providing security and tamper evidence. Customised closures are available with embossing or debossing. Multiple seal options are available to suit all applications.



Single seal



Double seal



Safe venting releases pressure built up due to fermentation



P0383LA



P038CEN/P
Plasti-Twist®



P038CFN/P
Plasti-Twist®

Aseptic Applications		P0383LA	P038CEN/P Plasti-Twist®	P038CFN/P Plasti-Twist®
Neck Finish	Diameter (mm)	38	38	38
	Threads	3	2	2
Seal Type	Bore Seal	✓	✓	✓
Tamper Evidence	Drop down	✓	✓	✓
Closure Material	HDPE	✓	✓	✓
Container Type	PET	✓	✓	✓
Features	N ² Pressure		✓	✓
	Venting	✓		
Design	Printing		✓	✓
	Embossing	✓	✓	✓
	Debossing	✓	✓	✓

Silgan Closures GmbH

Head Office
marketing@silgan-closures.com
www.silgan-closures.com

