

Product Overview Caps & Closures



The World of corvaglia

406,000 kilometers

356,000 kilometers

9 billion ^{caps} X 30 millimeters = 270,000 kilometers ~ two thirds

EXPERTISE PIONEER SPIRIT

A cap is a cap. It is round, made of plastic, and can be screwed on and off. It's that simple - or is it?

In reality, it's all a bit more complex and sophisticated than a cap might suggest at first glance. A cap integrates all our know-how and experience, vast innovation, the odd patent or two, and our commitment to meticulously produce caps that are just a little bit better, more innovative, more lightweight, more precise, more rugged, more flexible, more sustainable, and more cost-efficient. Many design details are considered throughout our product and research in the development of caps and capping systems. Every detail, no matter how big or small, along with broad knowledge in various fields of expertise, are what it all comes down to.

our world.

Caps are why we exist, and we invite you along a journey into

WE ARE YOUR PARTNER



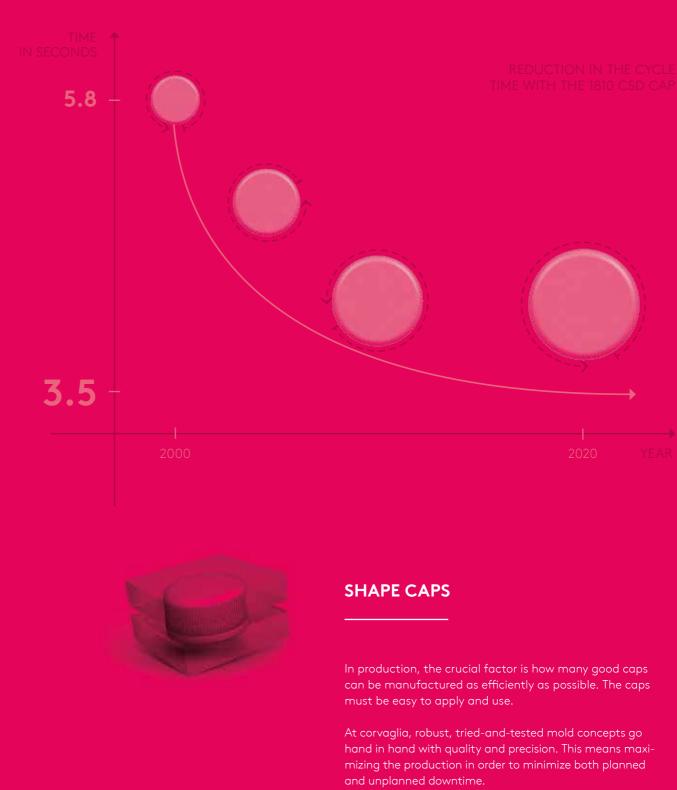
THINK CAPS

A good cap system is based on the right concept:

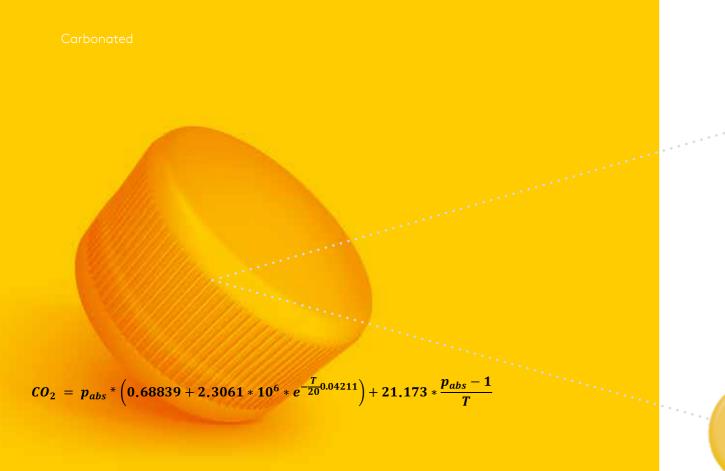
achieving the best solution with as little material as possible. In the development of our products, we provide customers with design experts to find this balance. Our aim is always to provide a cap that complements the bottle design and reduces material costs. The design and functionality of a cap are the result of constant adjustments in the development process. To this end, we meticulously test various parameters in our laboratories - such as venting performance, opening torque, or pressure resistance to name a few. All to reduce risks and ensure the cap is absolutely safe, tight, and ergonomically sound.

In this way, customers benefit from our profound expertise across the entire value chain.





Since we also design and manufacture molds, we make sure that every component is compatible with the other. This modular injection molding approach has significant customer advantages including greater flexibility to only replace individual parts if a cap design change is needed. This provides 100% exchangeability, which saves time and effort in servicing and repairs.





Sensitive

still water, isotonic, and carbonated beverages.

Our fully automated production facilities produce caps around the clock. Integrated camera systems inspect every single cap produced before being packaged for shipment.

High-speed processing and precision inspection prevent defective products from reaching the customer. Flexibility and accessible technical expertise also provide peace-of-mind and risk avoidance for high-speed beverage operations. In short, we are subject matter experts for economic solutions and reliable caps designed for the highest efficiencies.

Still water

lsotonic

Caps also need to be precisely matched to the various requirements of the beverages and bottle design to which they are being attached. Our focus is on plastic caps for non-alcoholic beverages in PET bottles such as fruit juices,

Dairy or edible oil

CORVAGLIA 1881 STANDARD



Beverage type	CSD (Carbonated Soft Drinks) Bottled Water (Carbonated)
Bottling method	aseptic, cold
Number of parts	1
Number of knurls	120

CORVAGLIA 1881 COMFORT-GRIP

2.00 g



Beverage type	CSD (Carbonated Soft Drinks) Bottled Water (Carbonated) Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	aseptic, cold
Number of parts	1
Number of knurls	120



APPLY CAPS

The requirements for beverage closures are as varied as our customers. Regardless if the cap is used in cold-fill, hot-fill, or aseptic bottling, our innovative closures offer high functionality and easy handling at a reduced weight while minimizing energy and investment costs.

Our one-piece caps are suitable for a variety of applications ranging from aseptic bottling to carbonated drinks and still waters. The capping process is an important aspect to consider when it comes to efficiency and we consider this throughout the design process.

Experience has proven that our caps neither increase set-up time nor reduce throughput of the bottling line partly because of our capping engineers on-site support to assure the highest efficiency.

CORVAGLIA 1881 STANDARD



Beverage type	CSD (Carbonated Soft Drinks) Bottled Water (Carbonated) Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	cold
Number of parts	1
Number of knurls	60

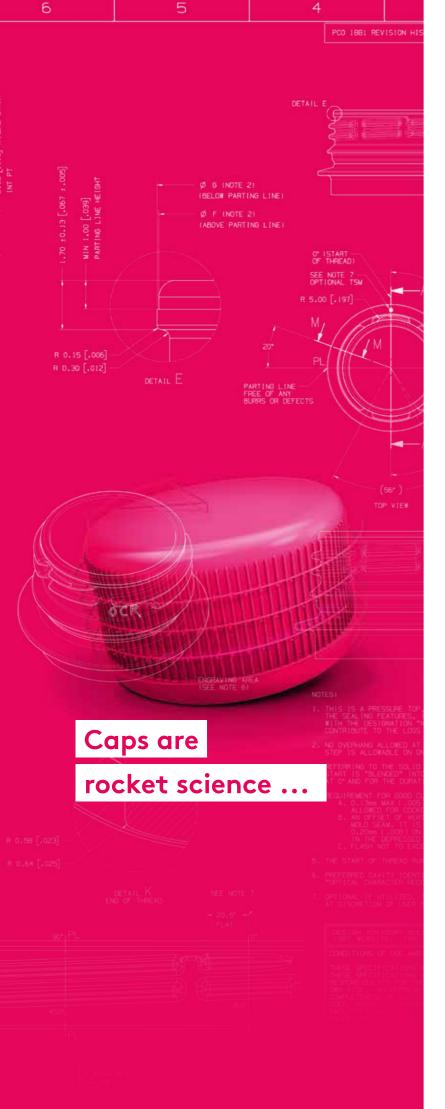
CORVAGLIA 1881 S/F



Beverage type	CSD (Carbonated Soft Drinks) Bottled Water (Carbonated) Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	aseptic, cold
Number of parts	1
Number of knurls	120



... but we make them easy!



CORVAGLIA 1810 STANDARD



Beverage type	CSD (Carbonated Soft Drinks) Bottled Water (Carbonated)
Bottling method	aseptic, cold
Number of parts	1
Number of knurls	120



CORVAGLIA CSN26

1.00 g



Beverage type	Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	cold
Number of parts	1
Number of knurls	60

All our flat caps are printable on the top and underneath.

1.70 g –1.90 g

(11)

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CORVAGLIA 30/25 MM

Beverage type	Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	cold
Number of parts	1
Number of knurls	72

CORVAGLIA AQUA 2670

1.45 g



Beverage type	Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	cold
Number of parts	1
Number of knurls	120

CORVAGLIA 1810 SPORTS

5.95 g

1810 _____

Beverage type	Sports & Energy Drinks
Bottling method	cold
Number of parts	3
Number of knurls	80

5.35 g 1881

CORVAGLIA 1881 SPORTS

Beverage type	Sports & Energy Drinks
Bottling method	cold
Number of parts	3
Number of knurls	144

SPECIALIZED BEVERAGE TYPES

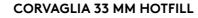
Beverage caps for PET bottles have been our focus since 1991. Every beverage type is unique and has specific requirements. All that matters to us is the perfectly suited closure for every need, taste, and application.

O Carbonated

____ Still water

Isotonic

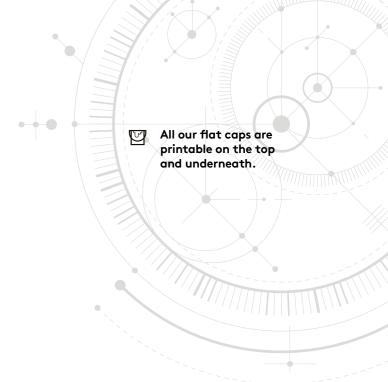
Sensitive



2.45 g



Beverage type	Sensitive Drinks (Juices, Teas, Flavored Waters,)
Bottling method	hot
Number of parts	1
Number of knurls	120

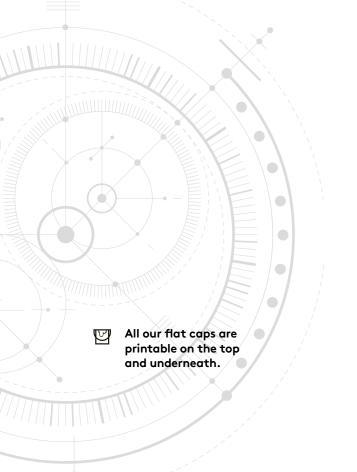


CORVAGLIA 33 MM HOTFILL S/F

2.45 g



Beverage type	Sensitive Drinks (Juices, Teas, Flavored Waters,)
Bottling method	hot
Number of parts	1
Number of knurls	120



CORVAGLIA 38 MM HOTFILL



Beverage type	Sensitive Drinks (Juices, Teas, Waters, Isotonics,)
Bottling method	hot
Number of parts	1
Number of knurls	120

3.75 g



Beverage type	Still (Press
Bottling method	cold
Number of parts	1
Number of knurls	120

CORVAGLIA 38 MM ACF 2-START

3.05 g



Beverage type	Sensitive Drinks (Juices, Teas, Flavored Waters,)
Bottling method	aseptic, cold
Number of parts	1
Number of knurls	120

CORVAGLIA 38 MM ACF 3-START 2.70 g



Beverage type	Still Bottled Water (Pressurized & Non-pressurized)
Bottling method	aseptic, cold
Number of parts	1
Number of knurls	90

CORVAGLIA 48 MM STANDARD

4.50 g



Beverage type	Still Bottled Water (Non-pressurized)
Bottling method	cold
Number of parts	1
Number of knurls	120

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CORVAGLIA 43 MM NITRO

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Bottled Water surized)	
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CORVAGLIA 48 MM NITRO

4.55 g – 5.10 g

Beverage type	Still Bottled Water (Pressurized)
Bottling method	cold
Number of parts	1
Number of knurls	120

TETHERED CAPS

According to European Union Directive 2019/904 addressing the environmental impact of certain plastic packaging, future beverages may be sold in plastic containers only if the cap remains attached to the container.

Our development engineers have worked intensively on innovative beverage closure solutions that not only meet the requirements of the European Union directive but also ensure 100% compatibility with existing bottling lines, improve the drinking experience for the consumer, minimize additional material usage, and also offer the same physical performance as standard caps.

Our many years of experience in designing closures with different types of tamper-evident bands and production technologies have allowed us to develop a wide range of tethered caps, three designs of which are to be highlighted in particular: Lasso caps, film hinge caps, and shift caps.

The advantages at a glance

- High quality and user-friendliness
- No modification of the neck finish or bottling line necessary
- No effect on production costs

LASSO CAPS

These caps have an opening angle of more than 180 degrees without a locking mechanism. This design features a reseal option that is particularly user-friendly. As with most types of caps, no additional material is required for this solution.

- Effect on the cap weight from +/-0 grams to +0.05 grams
- For all CSD applications
- For all NCB, HF, and ACF applications

FILM HINGE CAPS

Film hinge caps have an opening angle of 180 degrees and can be easily locked in a defined position with an audible "click." The consumer can drink from the bottle or pour out the contents without the closure part of the cap getting in the way.

- Effect on the cap weight from +/-0 grams to +0.05 grams
- For some CSD applications
- For all NCB, HF, and ACF applications

SHIFT CAPS

With the patent-pending design of this closure solution, we are already heralding the next step in the evolution of tethered caps. Shift caps can be easily attached to the container after they are opened, with the advantage that the cap does not get in the way despite remaining on the bottle. This solution can be used for all beverage types.

- Effect on the cap weight from +/-0 g grams to +0.05 grams
- For all CSD applications
- For all NCB, HF, and ACF applications











VALIDATED PRODUCTS

SUCCESSFUL ON THE MARKET

Our quality management system guarantees the processes surrounding development, production, and sales of injection molding machines and beverage closures. We are ISO 9001:2015, ISO 14001:2015, FSSC 22000 V5, SQF, and ISO 45001:2018 certified - the relevant regulations and standards are part of our everyday work.



FOOD SAFETY

Legislation and customers demand rigorous safety and hygiene standards when it comes to the manufacture of packaging components for foods. For corvaglia, compliance with the relevant requirements is a matter of course. We address the issues of food safety, the specific requirements of the packaging industry, and the needs of the bottling companies head-on. Years of production knowhow, setting up hygiene zones, inspection of incoming raw materials, and in-process and functional inspections of semi-finished and finished goods allow us to provide foodcompliant solutions.

OCCUPATIONAL **HEALTH AND SAFETY**

The safety of employees and visitors is our highest priority. We continuously strive to improve workplace safety and prevent accidents. To do this, we analyze accidents, record near-accidents, regularly audit all departments, and support training and education.

CONTACT

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A LONG-TERM VIEW OF THE ENVIRONMENT

We work hard every day to make our closure solutions lighter while maintaining the same performance. In this way, we avoid the use of more than 5,000 tons of plastic each year.

We are also constantly increasing the efficiency of our processes by applying modern waste disposal concepts and adjusting our processes to reduce operational waste.

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IT'S ALL ABOUT CAPS

corvaglia

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