

PHARMACEUTICAL PRIMARY PACKAGING

PE & PP BOTTLES

CHILD-RESISTANT, TAMPER-
EVIDENT AND HYBRID CAPS

MEDICAL DEVICES



Reliable partner



3 production locations
65 countries worldwide
100 moulds per year
450 employees
75 M EUR income
6 billion injected products

 1967 > Beginnings of craftmanship in Slovenia, EU	 1994 > Multi-cavity tool production	 2004 > Global product solution provider	 2008 > Establishment of clean room facility
 2011 > President and CEO Boštjan Šifrar becomes Entrepreneur of the Year 2011	 2017 > Celebrating our 50th anniversary	 2021 > Production launched in the USA	 2023 > Production launched in Croatia, EU

SIBO GROUP



Headquarters & production

Production SIBO USA

Production SIBO CRO





Certificates

5

- **ISO 9001:2015**
(Quality management standard).
- **ISO 13485:2016**
(Medical devices – Quality management systems – Requirements for regulatory purposes).
- **ISO 14001:2015**
(Environmental Management Systems).
- **ISO 15378:2017**
(Primary packaging materials for medicinal products).
- **ISO 45001:2018**
(Occupational health and safety).

Our products are DMF approved.

Clean room

2

Clean room production halls with clamping force 50 to 380 t, equipped with linear robots.

Clean rooms are validated according to ISO 14644-1:2015 and ISO 14644-3:2005 – the cleanliness of the room is class 8.



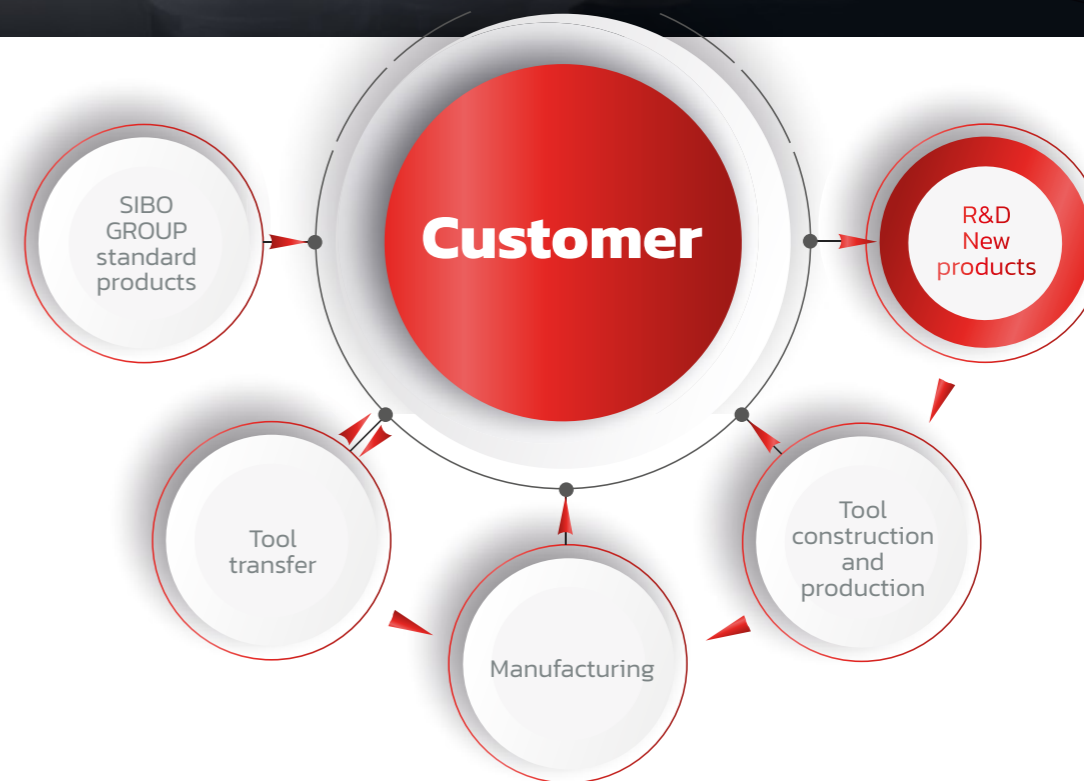
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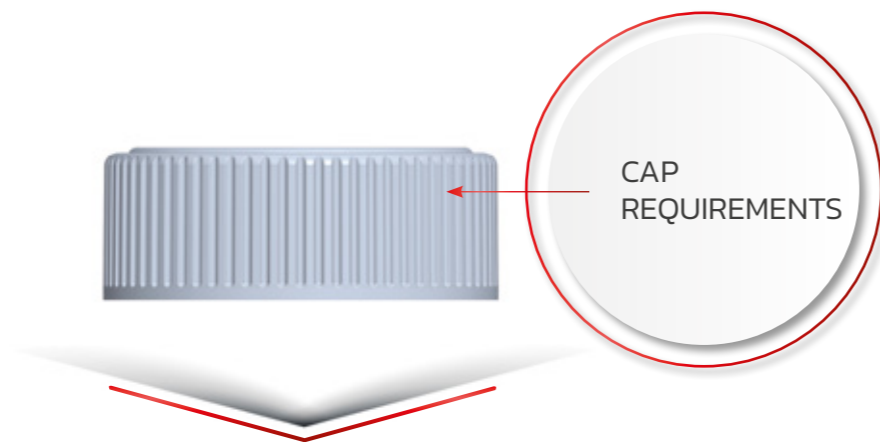


In-house research and development centre

- Quick response to customer needs, from product and mould design to in-house manufacturing.
- Possibility of 3D print prototype parts before pilot mould production.
- Possibility of different pilot moulds before serial mould production.



To consider when ordering



What is the type of the cap – **child-resistant, ordinary cap?**

What is the neck type of the cap – **on thread or snap on?**

Should the cap have a **tamper-evident ring?**

Should the cap be fitted with a **liner or with dessicant?**

What is the **neck diameter of the cap?**

What kind of material should be used – **food grade or medical?**

Should cap be transparent or coloured, which is the type of the colour?

What kind of **certification** for the cap is required?

What kind of **content** will be packed?

Do you have any **special requirements** regarding the packaging of the caps?



What is the shape of the bottle – **round, angular, narrow or wide?**

What is the neck type of the bottle – **on thread or snap on?**

What is the **neck diameter** of the bottle?

What is **the type** of the color? (brimful, nominal)?

What is the size of the **labelling surface?**

What is the **minimum bottle wall thickness** required?

What **barrier properties** are required?

What kind of material should be used – **food grade or medical?**

Should the bottle be **transparent or coloured,** which is the type of the colour?

What kind of **certification** do you need for the bottle?

What kind of **content** will be packed in to a bottle?

Do you have any **special requirements** regarding the packaging of the bottles?

Caps, closures and bottles for pharmaceutical primary packaging

- Tamper-Evident Cap with corresponding bottles: 15 ml-330 ml.
- Child-Resistant Caps with corresponding bottles: 20 ml-260 ml.
- HD-PE bottles: 10 ml to 1,000 ml.

- Products tailored to individual customer needs.
- Regulatory compliance (EU Pharmacopeia, FDA approved / DMF), QMS.
- Material used: PP, HD-PE, LD-PE, PC, ABS, PS.





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10. Dropper bottles with caps **39**



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13. Measuring cups and lids **47**




14. Spoons **51**

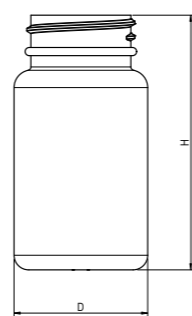


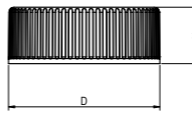
15. Medical devices **53**




1. Bottles with child-resistant cap (CRC)

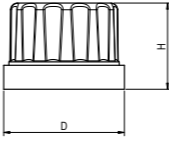

Code	Height	Inner dia	Outer dia	Material
 CAP CRC 33	17.7 mm	32.3 mm	39.0 mm	PP HD-PE


Code	Volume	Height	Diameter	Material
 BOTTLE V-040-020	20 ml	40.0 mm	39.1 mm	HD-PE
BOTTLE V-040-040	40 ml	59.5 mm	38.1 mm	HD-PE
BOTTLE V-040-060	60 ml	74.9 mm	39.3 mm	HD-PE
BOTTLE V-045-075HW	75 ml	75.8 mm	44.2 mm	HD-PE
BOTTLE V-045-115	115 ml	90.5 mm	48.4 mm	HD-PE
BOTTLE V-055-260	260 ml	141.0 mm	55.0 mm	HD-PE

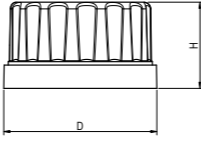

Code	Height	Inner dia	Outer dia	Material
 CAP CRC 38	16.6 mm	37.5 mm	44.5 mm	PP HD-PE

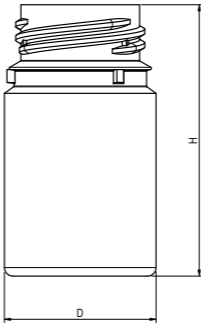
Code	Volume	Height	Diameter	Material
 BOTTLE V-045-060	60 ml	63.8 mm	45.0 mm	HD-PE
BOTTLE V-045-075LT	75 ml	75.0 mm	45.5 mm	HD-PE
BOTTLE V-045-100	100 ml	85.5 mm	45.5 mm	HD-PE
BOTTLE V-045-120	120 ml	95.4 mm	47.2 mm	HD-PE
BOTTLE V-050-120	120 ml	95.6 mm	47.4 mm	HD-PE
BOTTLE V-055-120	120 ml	84.2 mm	53.4 mm	HD-PE
BOTTLE V-055-150	150 ml	93.7 mm	55.0 mm	HD-PE
BOTTLE V-055-180	180 ml	104.0 mm	55.1 mm	HD-PE
BOTTLE V-055-200	200 ml	115.6 mm	55.8 mm	HD-PE
BOTTLE V-070-250	2500 ml	103.9 mm	67.8 mm	HD-PE

2. Bottles with tamper-evident (TE) cap

Code	Height	Inner dia	Outer dia	Material
 CAP WITHOUT DESICCANT TE-035	25.4 mm	28.9 mm	35.5 mm	PP
 CAP WITH DESICCANT TE-035 - D	25.4 mm	28.9 mm	35.5 mm	PP

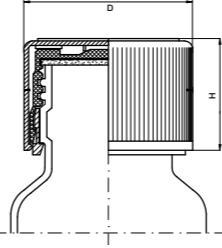
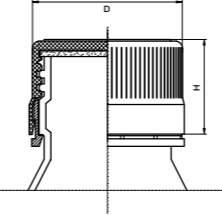
Code	Volume	Height	Diameter	Material
 BOTTLE VT-035-015	15 ml	46.8 mm	35.4 mm	HD-PE
BOTTLE VT-035-030	30 ml	61.8 mm	35.5 mm	HD-PE
BOTTLE VT-035-040	40 ml	68.0 mm	35.2 mm	HD-PE

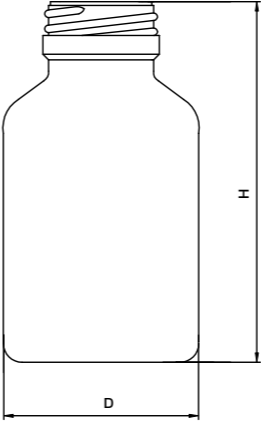
Code	Height	Inner dia	Outer dia	Material
 CAP WITHOUT DESICCANT TE-045	25.4 mm	38.9 mm	45.0 mm	PP
 CAP WITH DESICCANT TE-045 - D	25.4 mm	38.9 mm	45.0 mm	PP

Code	Volume	Height	Diameter	Material
 BOTTLE VT-045-035	35 ml	50.8 mm	44.7 mm	HD-PE
BOTTLE VT-045-060	60 ml	64.4 mm	44.6 mm	HD-PE
BOTTLE VT-045-075	75 ml	79.8 mm	44.6 mm	HD-PE
BOTTLE VT-045-125	125 ml	106.4 mm	44.7 mm	HD-PE
BOTTLE VT-060-150	150 ml	102.3 mm	59.5 mm	HD-PE



3. Bottles with child-resistant (CRC) and tamper-evident (TE) caps

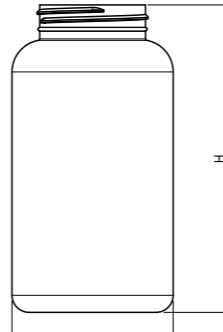
Code	Height	Inner dia	Outer dia	Material
 CAP Child-resistant CAP/thread	24.5 mm	31.0 mm	37.0 mm	PP
 CAP Tamper-evident CAP/thread	20.0 mm	31.0 mm	35.0 mm	PP

Code	Volume	Height	Diameter	Material
 BOTTLE - thread 32 mm	50 ml	64.0 mm	39.4 mm	PE, PP
BOTTLE - thread 32 mm	50 ml	64.0 mm	39.4 mm	PET-G
BOTTLE - thread 32 mm	80 ml	89.0 mm	40.3 mm	HD-PE LD-PE
BOTTLE - thread 32 mm	85 ml	79.8 mm	45.8 mm	PP
BOTTLE - thread 32 mm	100 ml	115.3 mm	40.3 mm	PE
BOTTLE - thread 32 mm	120 ml	95.3 mm	52.0 mm	PP
BOTTLE - thread 32 mm	250 ml	148.5 mm	60.0 mm	PE
BOTTLE - thread 28 mm	250 ml	148.5 mm	60.0 mm	PE
BOTTLE - thread 32 mm	500 ml	174.0 mm	76.2 mm	PE
BOTTLE - thread 28 mm	500 ml	174.0 mm	76.2 mm	PE

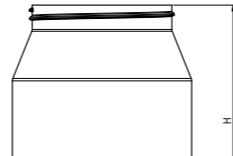


4. Bottles with screw-on cap


Code	Height	Inner dia	Outer dia	Material
 CAP TR-53L/01	11.0 mm	52.9 mm	55.9 mm	PP

Code	Volume	Height	Diameter	Material
 BOTTLE V-065-250	250 ml	103.0 mm	66.7 mm	HD-PE
BOTTLE V-075-500	500 ml	144.0 mm	75.5 mm	HD-PE
BOTTLE V-085-750	750 ml	171.9 mm	86.1 mm	HD-PE
BOTTLE V-100-950	950 ml	165.1 mm	98.5 mm	HD-PE

Code	Height	Inner dia	Outer dia	Material
 CAP TR-89L/01	16.6 mm	89.0 mm	93.0 mm	PP

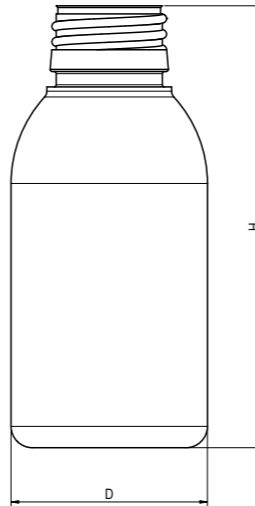
Code	Volume	Height	Diameter	Material
 BOTTLE V-110-1000	1000 ml	142.3 mm	110.0 mm	HD-PE

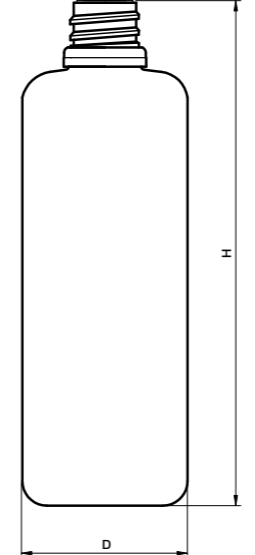
Code	Height	Inner dia	Outer dia	Material
 CAP	15.1 mm	37.0 mm	47.6 mm	PE

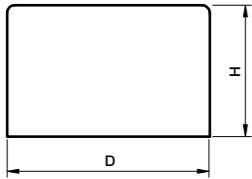
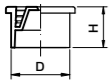
Code	Volume	Height	Diameter	Material
 BOTTLE	275 ml	123.0 mm	64.0 mm	HD-PE

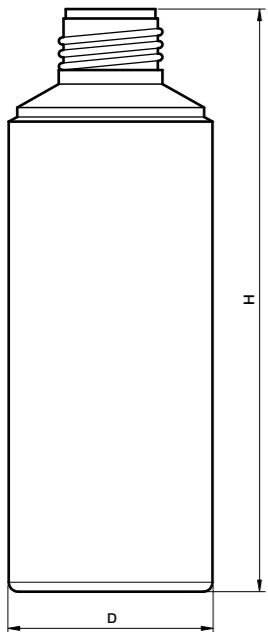


5. Bottles with screw-on cap without liner

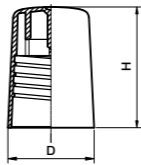
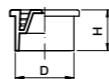
Code	Volume	Height	Diameter	Material
 BOTTLE V-047-100	100 ml	103.5 mm	46.0 mm	PP

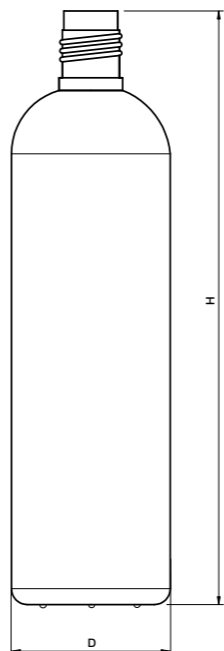
Code	Volume	Height	Diameter	Material
 BOTTLE	60 ml	94.5 mm	34.0 mm	PE
 BOTTLE	125 ml	125.3 mm	41.3 mm	PE

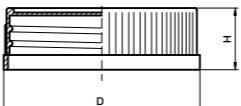
Code	Height	Inner dia	Outer dia	Material
 CAP	28.0 mm	23.0 mm	43.3 mm	PP
 Insert AM	11.4 mm		19.2 mm	PE

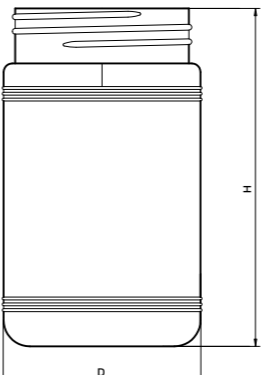
Code	Volume	Height	Diameter	Material
 BOTTLE	140 ml	126.7 mm	43.3 mm	PE

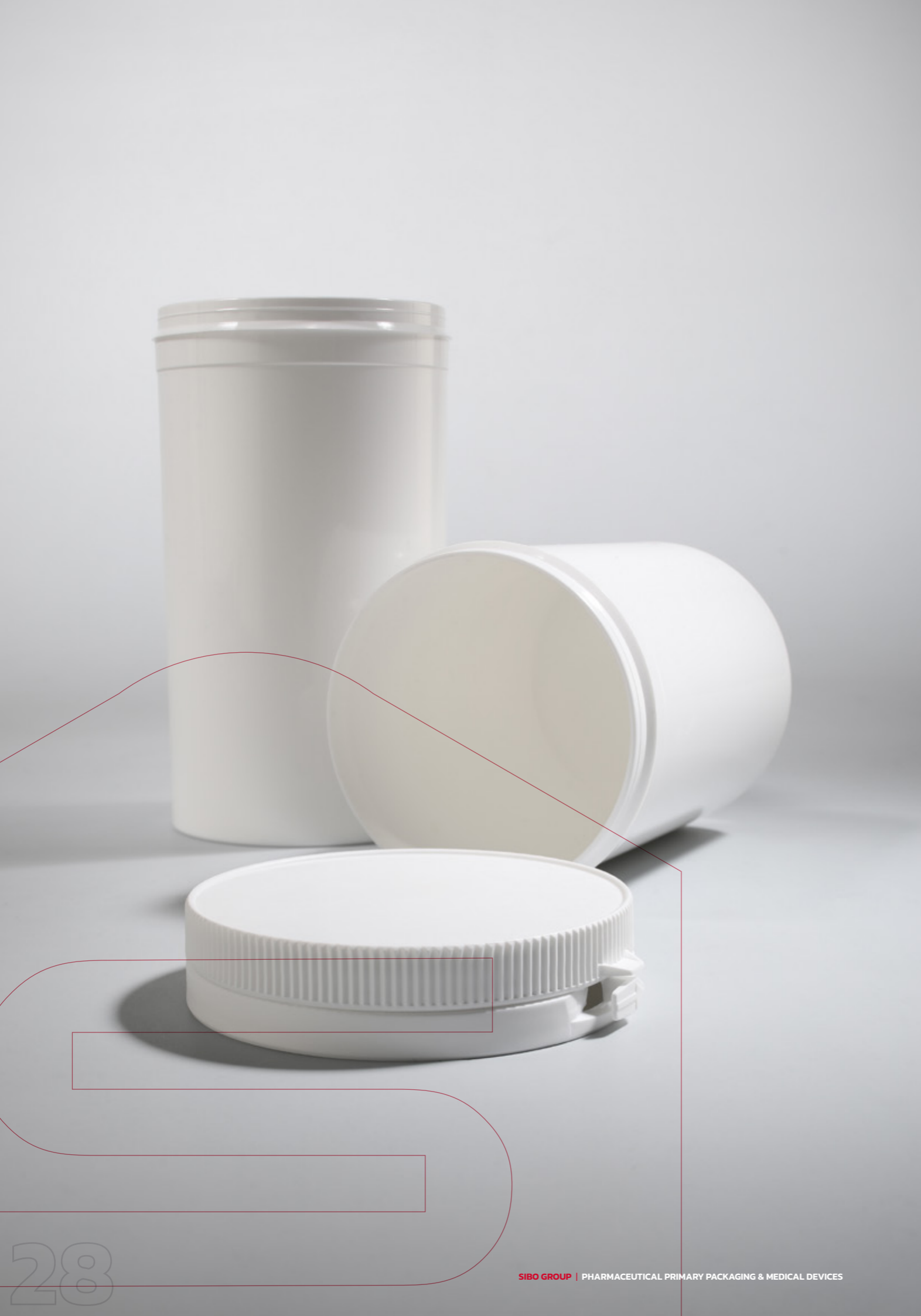


Code	Height	Inner dia	Outer dia	Material
 CAP AM	36.4 mm	23.0 mm	25.4 mm	PP
 Insert AM	11.4 mm		19.2 mm	PE

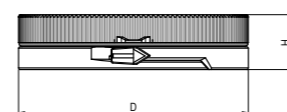
Code	Volume	Height	Diameter	Material
 BOTTLE	300 ml	196.5 mm	51.5 mm	PE

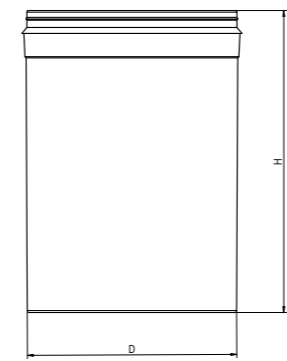
Code	Height	Inner dia	Outer dia	Material
 CAP	20.3 mm	64.0 mm	67.5 mm	PP

Code	Volume	Height	Diameter	Material
 BOTTLE	370 ml	117.3 mm	68.0 mm	PE
BOTTLE	450 ml	139.0 mm	68.0 mm	PE



6. Bottles with push-on tamper-evident (TE) cap

	Code	Height	Inner dia	Outer dia	Material
	CAP Securibox	16.1 mm	62.0 mm	67.6 mm	LD-PE

	Code	Volume	Height	Diameter	Material
	SECURIBOX	260 ml	91.6 mm	63.5 mm	PP
	SECURIBOX	330 ml	115.5 mm	63.1 mm	PP

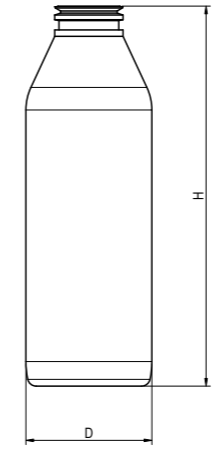
EXPERT TEAM

Specific knowledge and highly skilled professionals enable the company to provide technical support and advice to its customers

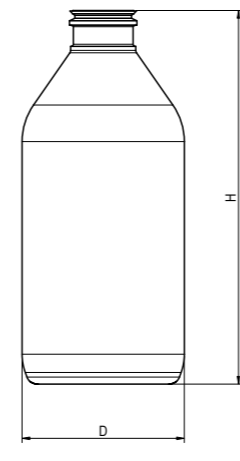


7. Bottles with push-on cap

Code	Volume	Height	Diameter	Material
BOTTLE V-060-300	300 ml	178.0 mm	59.0 mm	PP



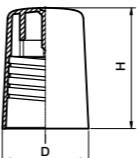
Code	Volume	Height	Diameter	Material
BOTTLE V-076-500	500 ml	175.0 mm	76.0 mm	HD-PE



QUICK RESPONSE
 To customer needs, from product and mould design to in-house manufacturing research and development centre and in-house mould manufacturing

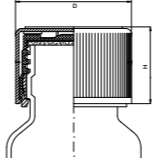


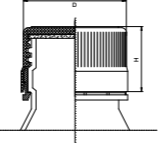
8. Flat bottles

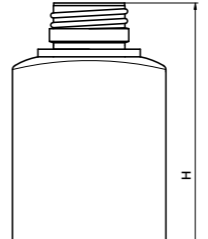
Code	Height	Inner dia	Outer dia	Material
 CAP AM	36.4 mm	23.0 mm	25.4 mm	PP

 Insert AM	11.4 mm		19.2 mm	PE
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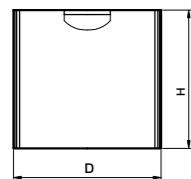
Code	Volume	Height	Diameter	Material
 BOTTLE Flat	120 ml	127.5 mm	63.7 mm	PE

Code	Height	Inner dia	Outer dia	Material
 CAP Child-resistant Cap	24.5 mm	31.0 mm	37.0 mm	PP

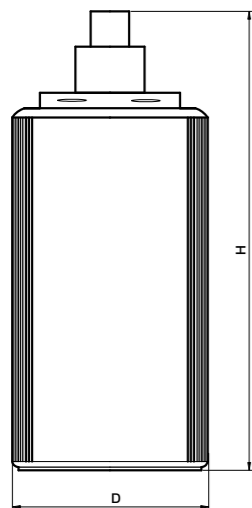
 CAP Tamper-evident Cap/thread	20.0 mm	31.0 mm	35.0 mm	PP
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Code	Volume	Height	Diameter	Material
 BOTTLE Flat	200 ml	145.0 mm	61.0 mm	PP

Code	Height	Inner dia	Outer dia	Material
CAP Fold-over	45.0 mm	14.0 mm	48.0 mm	PP

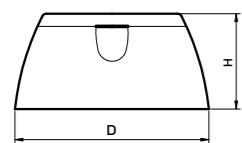


Code	Volume	Height	Diameter	Material
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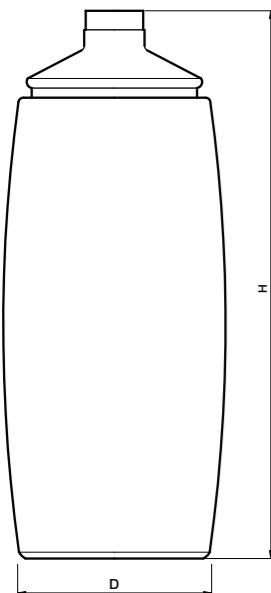
BOTTLE Flat ribbed	200ml	146.5 mm	63.8 mm	PE
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Code	Height	Inner dia	Outer dia	Material
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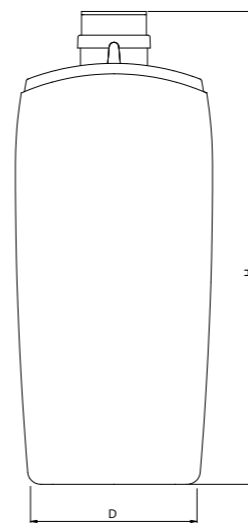
CAP Fold-over	30.0 mm	20.0 mm	61.0 mm	PP
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Code	Volume	Height	Diameter	Material
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BOTTLE Flat	250 ml	127.0 mm	61.0 mm	PE
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Code Volume Height Diameter Material



BOTTLE	300 ml	180.0 mm	65.0 mm	PE
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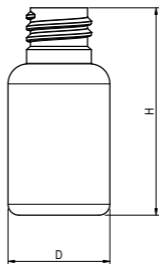


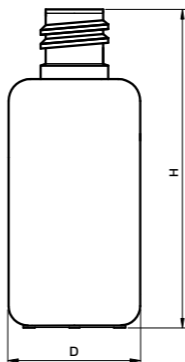
**A FAMILY-OWNED
COMPANY**

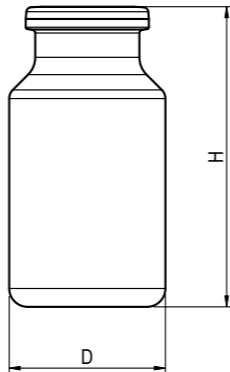
with more than 50 years' experience and the ability to react quickly to changing market demands



9. Nasal spray bottles with thread and snap-on

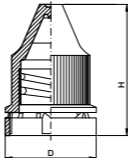
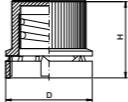


Code	Volume	Height	Diameter	Material
 BOTTLE V-025-010	10 ml	50.0 mm	23.6 mm	HD-PE
BOTTLE V-030-020	20 ml	57.0 mm	28.0 mm	HD-PE

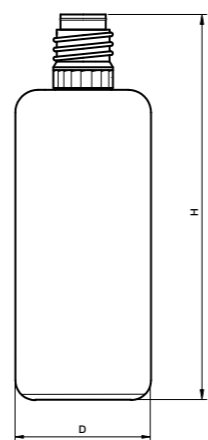
Code	Volume	Height	Diameter	Material
 BOTTLE	50 ml	82.0 mm	35.0 mm	PE

Code	Volume	Height	Diameter	Material
 BOTTLE	10 ml	49.0 mm	25.5 mm	HD-PE
BOTTLE	12 ml	53.0 mm	24.0 mm	HD-PE
BOTTLE	15 ml	55.0 mm	25.0 mm	HD-PE

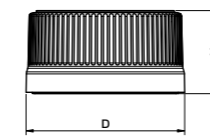


10. Dropper bottles with caps

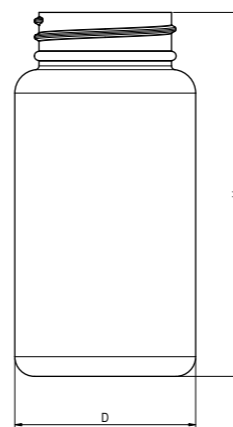
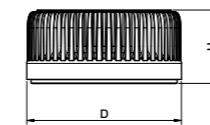
Code	Height	Inner dia	Outer dia	Material
 CAP TE with dropper	30.0 mm	19.0 mm	23.1 mm	HD-PE
 CAP TE with insert	18.5 mm	19.0 mm	23.1 mm	HD-PE
 Dropper	16.0 mm		15.5 mm	LD-PE
 Insert	6.7 mm		15.5 mm	LD-PE

Code	Volume	Height	Diameter	Material
 BOTTLE	10 ml	51.5 mm	25.5 mm	PE
BOTTLE	20 ml	72.0 mm	25.5 mm	PE
BOTTLE	30 ml	58.5 mm	35.0 mm	PE
BOTTLE	50 ml	87.5 mm	35.0 mm	PE
BOTTLE	60 ml	97.3 mm	35.0 mm	PE
BOTTLE	100 ml	114.0 mm	41.3 mm	PE
BOTTLE	125 ml	126.5 mm	41.3 mm	PE
BOTTLE	200 ml	127.0 mm	51.3 mm	PE
BOTTLE TALL	200 ml	175.3 mm	45.4 mm	PE

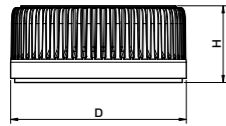
11. Hybrid closures



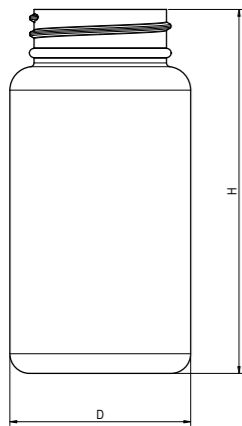
Code	Height	Inner dia	Outer dia	Material
CAP CR 33	20.9 mm	32.2 mm	40.0 mm	PP
CAP CR 33 D	20.9 mm	32.2 mm	40.0 mm	PP
CAP CR 33 TE	20.9 mm	32.2 mm	40.0 mm	PP
CAP CR 33 TE+D	20.9 mm	32.2 mm	40.0 mm	PP
CAP CT 33	18.6 mm	32.2 mm	39.0 mm	PP
CAP CT 33, D	18.6 mm	32.2 mm	39.0 mm	PP
CAP CT 33, TE	18.6 mm	32.2 mm	39.0 mm	PP
CAP CT 33, TE+D	18.6 mm	32.2 mm	39.0 mm	PP



Code	Volume	Height	Diameter	Material
BOTTLE V-040-020	20 ml	40.0 mm	39.1 mm	HD-PE
BOTTLE V-040-040	40 ml	59.5 mm	38.1 mm	HD-PE
BOTTLE V-040-060	60 ml	74.9 mm	39.3 mm	HD-PE
BOTTLE V-040-075HW	75 ml	75.8 mm	44.2 mm	HD-PE
BOTTLE V-045-115	115 ml	90.5 mm	48.4 mm	HD-PE
BOTTLE V-055-260	260 ml	141.0 mm	55.0 mm	HD-PE



Code	Height	Inner dia	Outer dia	Material
CAP CT 38	19.5 mm	37.6 mm	43.8 mm	PP
CAP CT 38, D	19.5 mm	37.6 mm	43.8 mm	PP
CAP CT 38, TE	19.5 mm	37.6 mm	43.8 mm	PP
CAP CT 38, TE+D	19.5 mm	37.6 mm	43.8 mm	PP

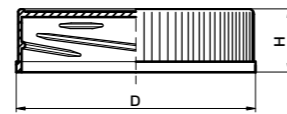
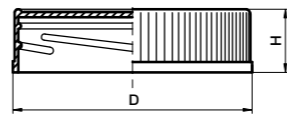



Code	Volume	Height	Diameter	Material
BOTTLE V-045-060	60 ml	63.8 mm	45.0 mm	HD-PE
BOTTLE V-045-075LT	75 ml	75.0 mm	45.5 mm	HD-PE
BOTTLE V-045-100	100 ml	85.5 mm	45.5 mm	HD-PE
BOTTLE V-045-120	120 ml	95.4 mm	47.2 mm	HD-PE
BOTTLE V-050-120	120 ml	95.6 mm	47.4 mm	HD-PE
BOTTLE V-055-120	120 ml	84.2 mm	53.4 mm	HD-PE
BOTTLE V-055-150	150 ml	93.7 mm	55.0 mm	HD-PE
BOTTLE V-055-180	180 ml	104.0 mm	55.1 mm	HD-PE
BOTTLE V-055-200	200 ml	115.6 mm	55.8 mm	HD-PE





12. Food caps and lids

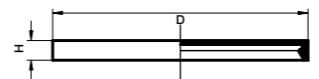
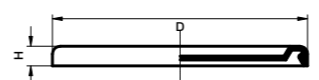
	Code	Height	Inner dia	Outer dia	Material
	CAP 82 mm	20.3 mm	82.0 mm	85.0 mm	PP
	CAP 66 mm	18.0 mm	66.0 mm	69.0 mm	PP
	LID	7.7 mm	73.0 mm	76.0 mm	PP

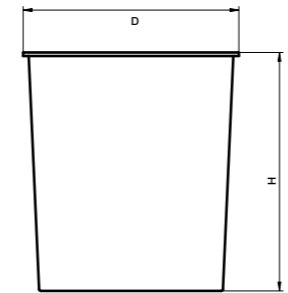
HIGH QUALITY STANDARDS

Focused on maintaining high quality standards in production and quality control in accordance with ISO 9001:2015, ISO 13485:2016, ISO 15378:2017, KOSHER and ISCC+

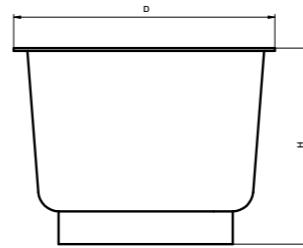


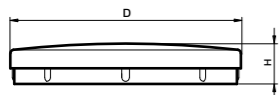
13. Measuring cups and lids

	Code	Height	Inner dia	Outer dia	Material
	LID for 70 ml cup	4.9 mm	46.0 mm	47.5 mm	LD-PE
	LID for 140 ml cup	5.2 mm	61.0 mm	64.0 mm	LD-PE

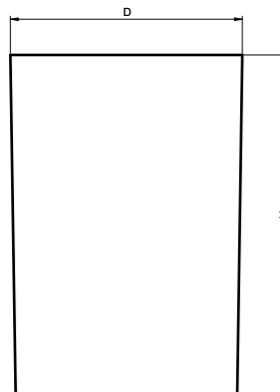
	Code	Volume	Height	Diameter	Material
	CUP	70 ml	62.5 mm	41.5 mm	PS
	CUP	140 ml	69.0 mm	56.0 mm	PS

	Code	Height	Inner dia	Outer dia	Material
	LID	11.7 mm	89.0 mm	98.5 mm	PP

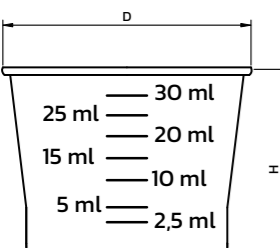
	Code	Volume	Height	Diameter	Material
	CUP	180 ml	51.5 mm	85.0 mm	PP
	CUP	270 ml	72.0 mm	85.0 mm	PP



Code	Height	Inner dia	Outer dia	Material
CAP	16.0 mm	83.0 mm	88.7 mm	PS



Code	Volume	Height	Diameter	Material
CUP	570 ml	103.8 mm	88.6 mm	PS

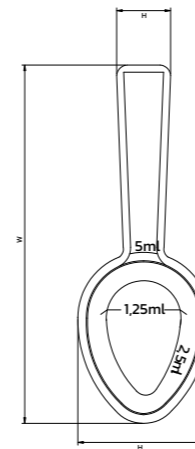


Code	Volume	Height	Diameter	Material
Measuring cup	2.0–20 ml	34.7 mm	36.8 mm	PP
Measuring cup (3/6/9)	2.5–20 ml	28.5 mm	38.4 mm	PP
Measuring cup	2.5–30 ml	34.3 mm	46.7 mm	PP





14. Spoons



Code	Volume	Dimension 1	Dimension 2	Material
SPOON	5 ml	69.0 mm	24.9 mm	PP
SPOON	5 ml	114.0 mm	24.9 mm	PP
	1.25 ml	91.4 mm	33.0 mm	PP
SPOON	2.5 ml	91.4 mm	33.0 mm	PP
	5 ml	91.4 mm	33.0 mm	PP
	2.5 ml	85.3 mm	30.5 mm	PS
SPOON	3.75 ml	85.3 mm	30.5 mm	PS
	5 ml	85.3 mm	30.5 mm	PS



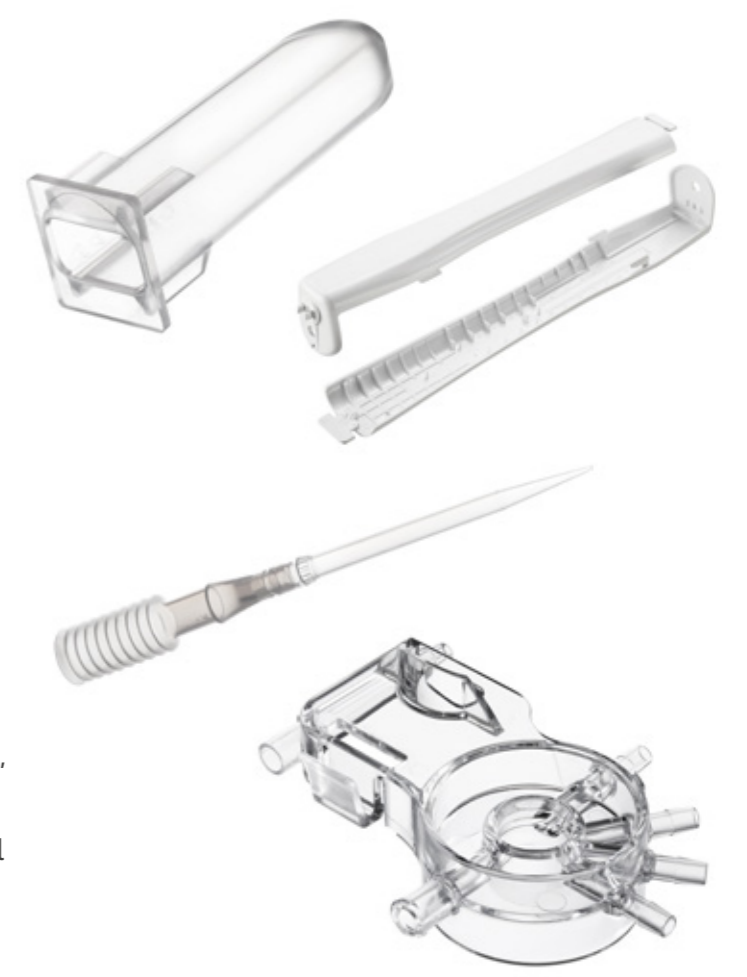


15. Medical devices

Our solutions

Fast response from an idea to the final product, whether producing tools or high-quality end products

Production of the most demanding medical plastic products for the purpose of blood purifying during surgical operations, for extraction of body tissues for further analyses, products for DNA and Covid inspection, and cuvettes for general medical sampling



Measuring cups for laboratories

Use of the highest quality pharmaceutical materials with all needed certificates

Production with all required certificates

State-of-the-art measurement machines for achieving the highest results

Short delivery times and customization



Sustainability

Thinking and acting sustainably has been driving our company development for 15 years. We embarked on this journey when we started improving the use of our resources and monitoring the intensity of our production. Our plants operate and are certified according to the ISO 14001 and ISO 45001 standards.. We have additionally boosted our activities with Ecovadis.

We have also embraced and joined the UN Global Compact for SDGs, emphasizing our human and labour efforts as well as company and business ethics. We are committed to ensuring our team has high level of rights - from gender equality rights to a high number of training hours per employee.

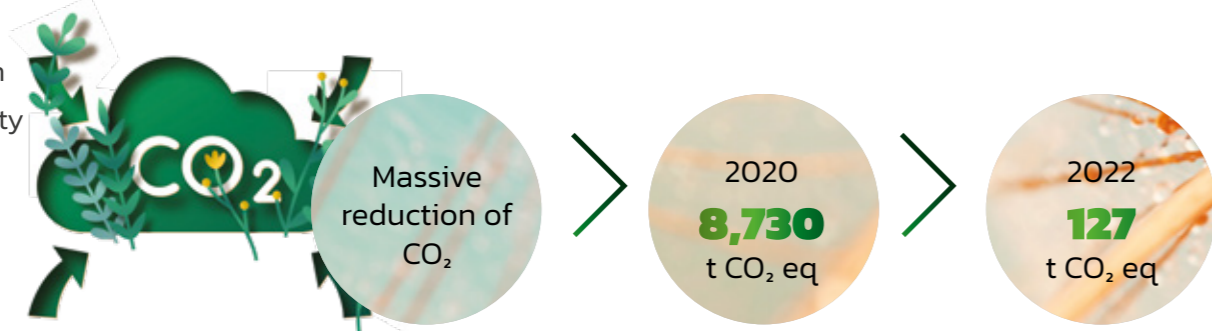
Energy

Sibo Group's energy consumption



Climate

Carbon Intensity Index



Sustainable product development



Developing new products with new, lightweight design to improve functionality and reduce the use of resources in all steps of the supply chain



Developing moulds and injection processes to design packaging which is easily recyclable, to promote a circular economy



Utilizing renewable resources, such as plant-based materials, to create plastics



Developing a process system to utilize the performance of recycled materials versus virgin materials

Open a better future



t: +386 4 502 12 00
e: info@sibo-eu.com
www.sibo-eu.com