SIBO group | closures plastics tools

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

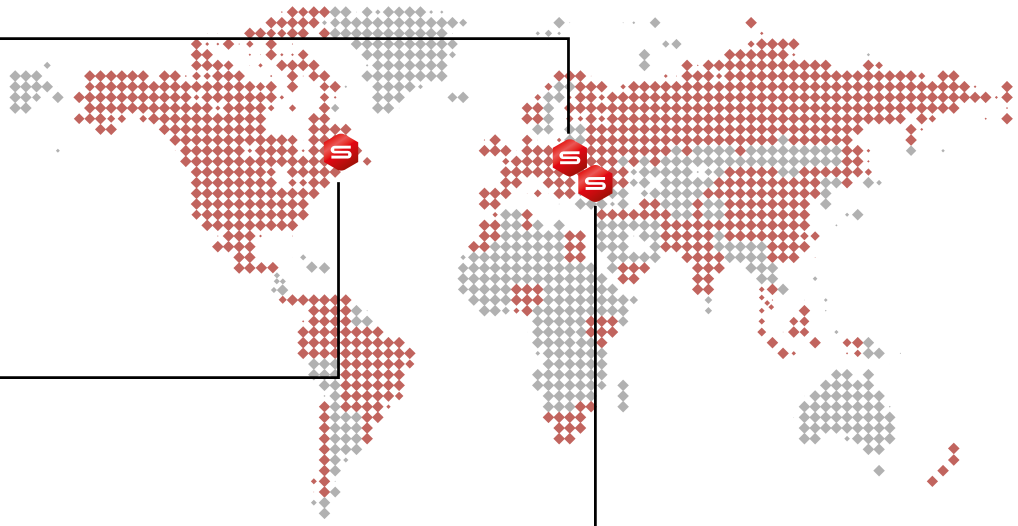


2023 Production launched in Croatia, EU

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.



Content

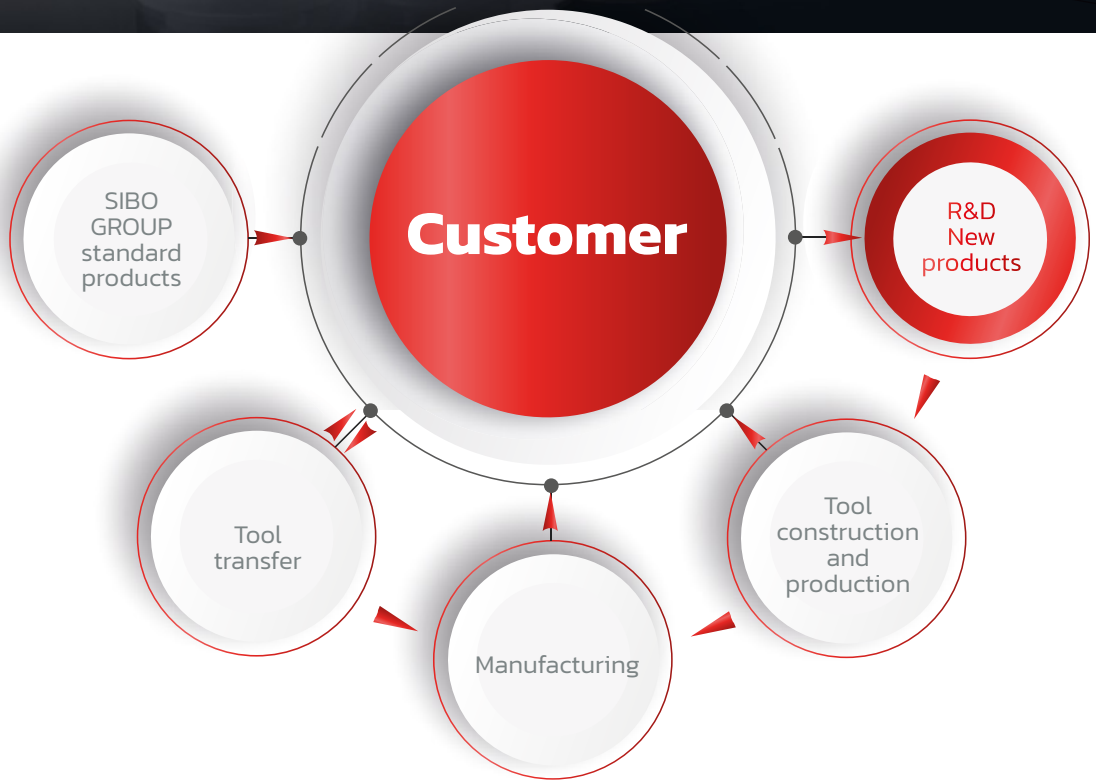
In-house research and development centre	8
To consider when ordering	10
Bottles, caps and closures overview	14
Sustainability	54



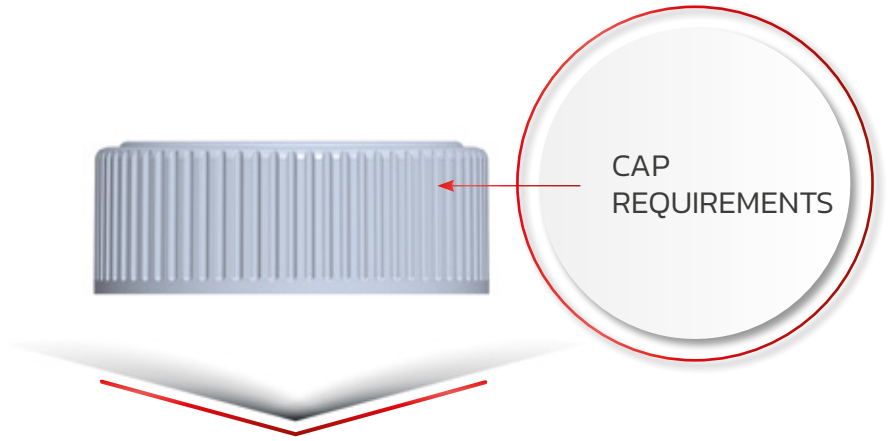
In-house research and development centre

- 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.




Customer
SIBO GROUP standard products
R&D New products
Tool transfer
Tool construction and production
Manufacturing

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.





1. Bottles with child-resistant cap (CRC) **17**



2. Bottles with tamper-evident (TE) cap **19**



3. Bottles with child-resistant (CRC) and tamper-evident (TE) caps **21**



4. Bottles with screw-on cap **23**



5. Bottles with screw-on cap without liner **25**



6. Bottles with push-on tamper-evident (TE) cap **29**



7. Bottles with push-on cap **31**



8. Flat bottles **33**



9. Nasal spray bottles with thread and snap-on **37**



10. Dropper bottles with caps **39**



11. Hybrid closures **41**



12. Food caps and lids **45**



13. Measuring cups and lids **47**



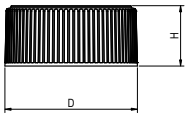
14. Spoons **51**



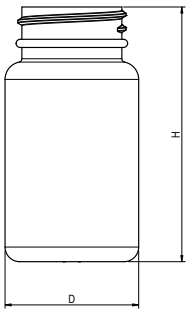
15. Medical devices **53**



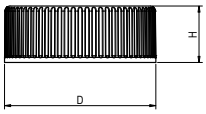
1. Bottles with child-resistant cap (CRC)



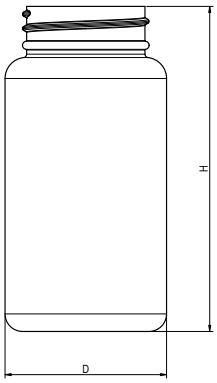
Code	Height	Inner dia	Outer dia	Material
CAP CRC 33	17.7 mm	32.3 mm	39.0 mm	PP HD-PE



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



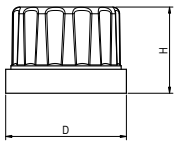
Code	Height	Inner dia	Outer dia	Material
CAP CRC 38	16.6 mm	37.5 mm	44.5 mm	PP HD-PE

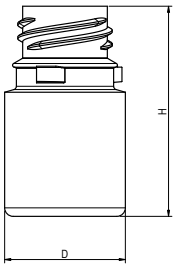


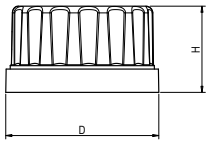
Code	Volume	Height	Diameter	Material
BOTTLE V-045-060	60 ml	63.8 mm	45.0 mm	HD-PE
BOTTLE V-045-075LT	75 ml	75.0 mm	45.5 mm	HD-PE
BOTTLE V-045-100	100 ml	85.5 mm	45.5 mm	HD-PE
BOTTLE V-045-120	120 ml	95.4 mm	47.2 mm	HD-PE
BOTTLE V-050-120	120 ml	95.6 mm	47.4 mm	HD-PE
BOTTLE V-055-120	120 ml	84.2 mm	53.4 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

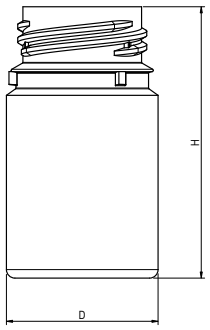


2. Bottles with tamper-evident (TE) cap

	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

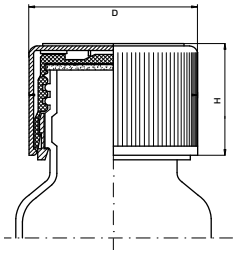
	Code	Volume	Height	Diameter	Material
	**BOTTLE VT-035-015**	15 ml	46.8 mm	35.4 mm	HD-PE
	BOTTLE VT-035-030	30 ml	61.8 mm	35.5 mm	HD-PE
	BOTTLE VT-035-040	40 ml	68.0 mm	35.2 mm	HD-PE

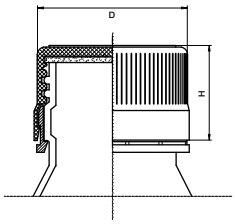
	Code	Height	Inner dia	Outer dia	Material
	**CAP WITHOUT DESICCANT TE-045**	25.4 mm	38.9 mm	45.0 mm	PP
	**CAP WITH DESICCANT TE-045 - D**	25.4 mm	38.9 mm	45.0 mm	PP

	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

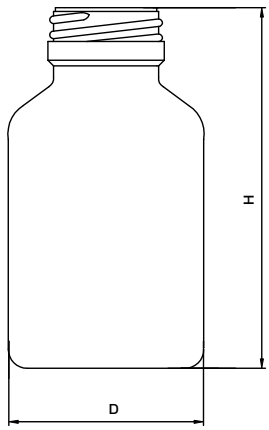


3. Bottles with child-resistant (CRC) and tamper-evident (TE) caps





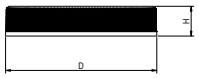
Code	Height	Inner dia	Outer dia	Material
CAP Child-resistant CAP/thread	24.5 mm	31.0 mm	37.0 mm	PP
CAP Tamper-evident CAP/thread	20.0 mm	31.0 mm	35.0 mm	PP

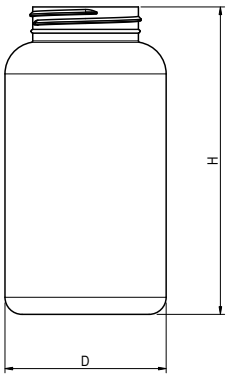


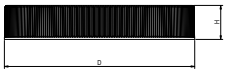
Code	Volume	Height	Diameter	Material
BOTTLE - thread 32 mm	50 ml	64.0 mm	39.4 mm	PE, PP
BOTTLE - thread 32 mm	50 ml	64.0 mm	39.4 mm	PET-G
BOTTLE - thread 32 mm	80 ml	89.0 mm	40.3 mm	HD-PE LD-PE
BOTTLE - thread 32 mm	85 ml	79.8 mm	45.8 mm	PP
BOTTLE - thread 32 mm	100 ml	115.3 mm	40.3 mm	PE
BOTTLE - thread 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

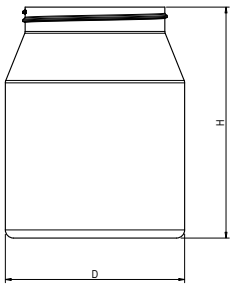


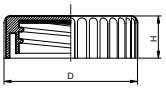
4. Bottles with screw-on cap

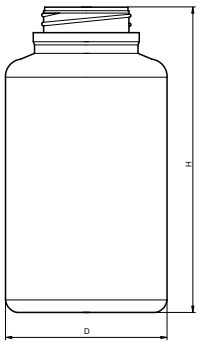
	Code	Height	Inner dia	Outer dia	Material
	**CAP TR-53L/01**	11.0 mm	52.9 mm	55.9 mm	PP

	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

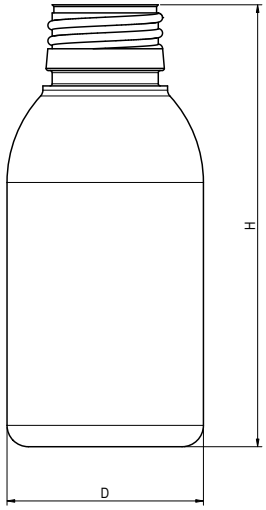
	Code	Volume	Height	Diameter	Material
	**BOTTLE V-110-1000**	1000 ml	142.3 mm	110.0 mm	HD-PE

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

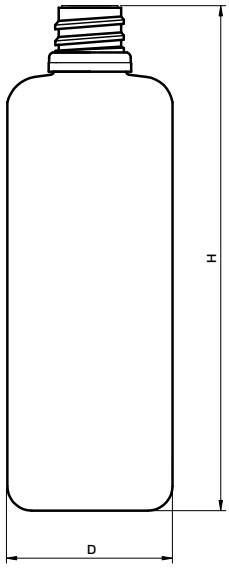
	Code	Volume	Height	Diameter	Material
	**BOTTLE**	275 ml	123.0 mm	64.0 mm	HD-PE



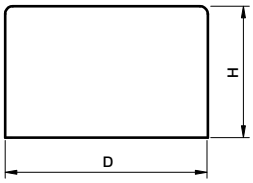
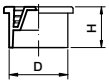
5. Bottles with screw-on cap without liner

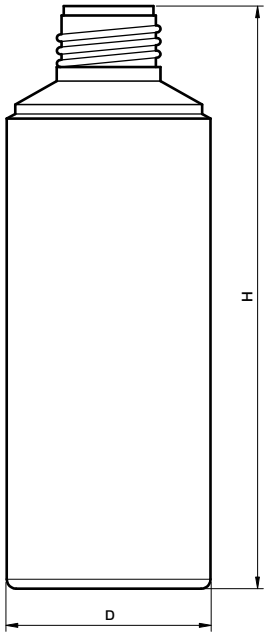


Code	Volume	Height	Diameter	Material
BOTTLE V-047-100	100 ml	103.5 mm	46.0 mm	PP



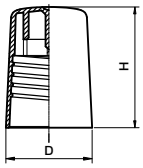
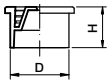
Code	Volume	Height	Diameter	Material
BOTTLE	60 ml	94.5 mm	34.0 mm	PE
BOTTLE	125 ml	125.3 mm	41.3 mm	PE

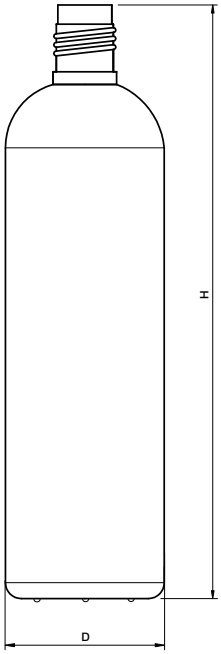
	Code	Height	Inner dia	Outer dia	Material
	**CAP**	28.0 mm	23.0 mm	43.3 mm	PP
	**Insert AM**	11.4 mm		19.2 mm	PE

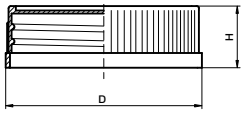
	Code	Volume	Height	Diameter	Material
	**BOTTLE**	140 ml	126.7 mm	43.3 mm	PE

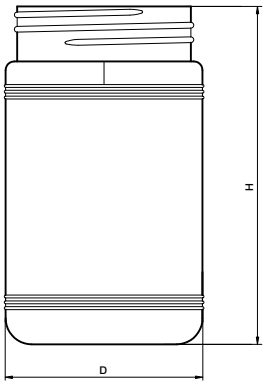
MEDICAL AND PHARMACEUTICAL INDUSTRY

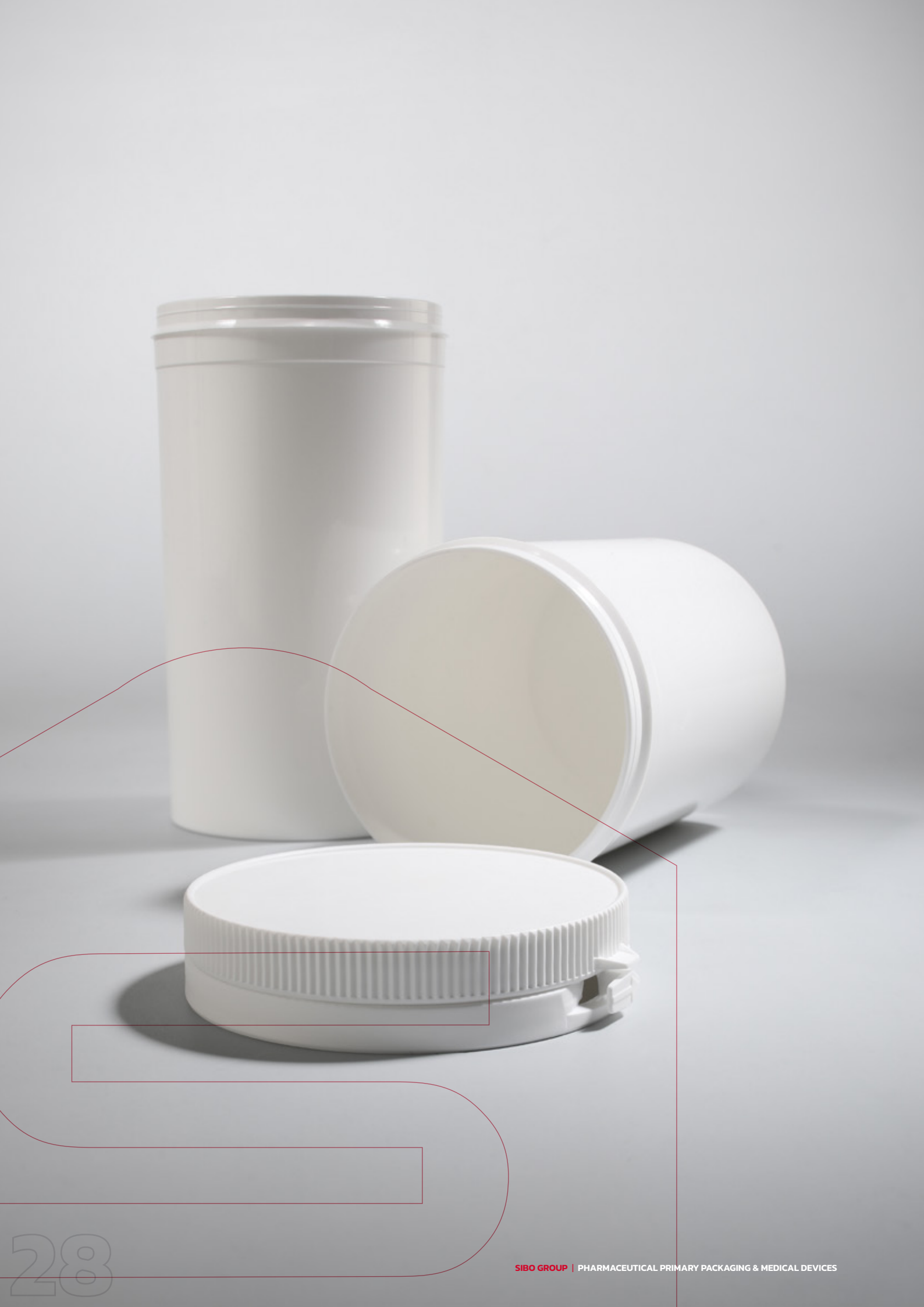
Specialized and certified for the production of medical devices and pharmaceutical primary packaging

	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

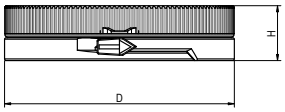
	Code	Volume	Height	Diameter	Material
	**BOTTLE**	300 ml	196.5 mm	51.5 mm	PE

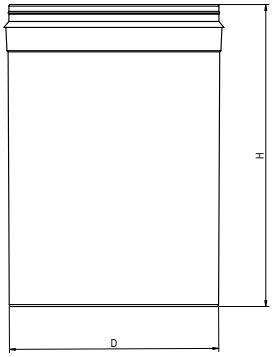
	Code	Height	Inner dia	Outer dia	Material
	**CAP**	20.3 mm	64.0 mm	67.5 mm	PP

	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

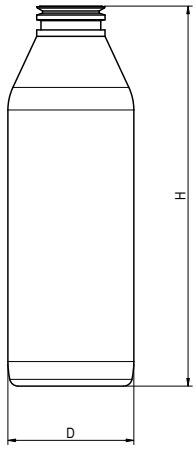
	Code	Volume	Height	Diameter	Material
	**SECURIBOX**	260 ml	91.6 mm	63.5 mm	PP
	SECURIBOX	330 ml	115.5 mm	63.1 mm	PP

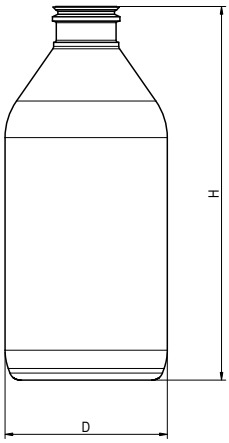
EXPERT TEAM

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

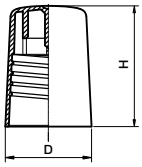
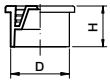
	Code	Volume	Height	Diameter	Material
	**BOTTLE V-076-500**	500 ml	175.0 mm	76.0 mm	HD-PE

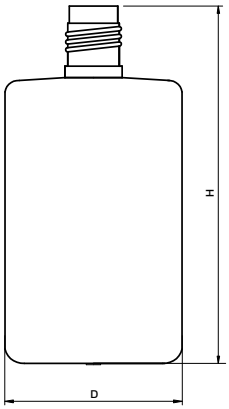
QUICK RESPONSE

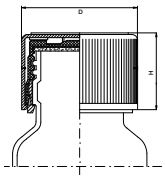
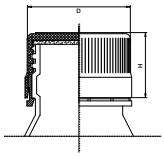
To customer needs, from product and mould design to in-house manufacturing research and development centre and in-house mould manufacturing

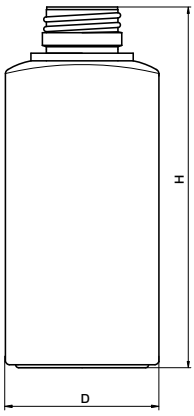


8. Flat bottles

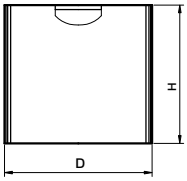
	Code	Height	Inner dia	Outer dia	Material
	**CAP AM**	36.4 mm	23.0 mm	25.4 mm	PP
	**Insert AM**	11.4 mm		19.2 mm	PE

	Code	Volume	Height	Diameter	Material
	**BOTTLE Flat**	120 ml	127.5 mm	63.7 mm	PE

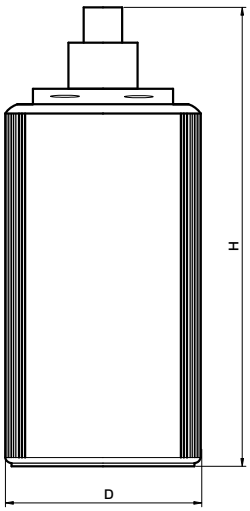
	Code	Height	Inner dia	Outer dia	Material
	**CAP Child-resistant Cap**	24.5 mm	31.0 mm	37.0 mm	PP
	**CAP Tamper-evident Cap/ thread**	20.0 mm	31.0 mm	35.0 mm	PP

	Code	Volume	Height	Diameter	Material
	**BOTTLE Flat**	200 ml	145.0 mm	61.0 mm	PP

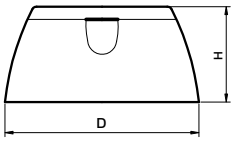
Code	Height	Inner dia	Outer dia	Material
CAP **Fold-over**	45.0 mm	14.0 mm	48.0 mm	PP



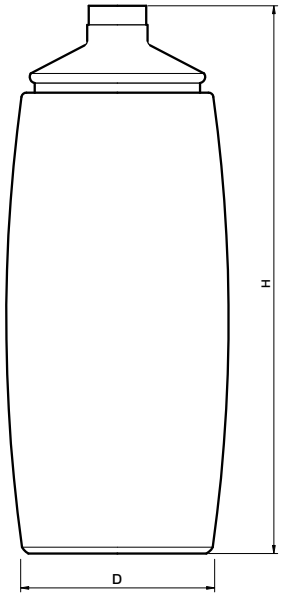
Code	Volume	Height	Diameter	Material
BOTTLE **Flat ribbed**	200ml	146.5 mm	63.8 mm	PE

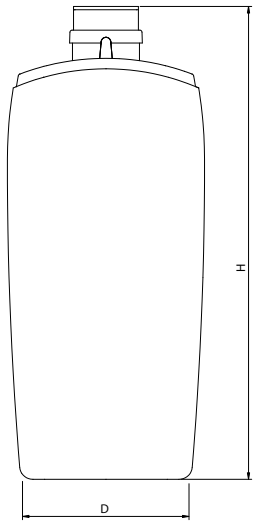


Code	Height	Inner dia	Outer dia	Material
CAP **Fold-over**	30.0 mm	20.0 mm	61.0 mm	PP



Code	Volume	Height	Diameter	Material
BOTTLE **Flat**	250 ml	127.0 mm	61.0 mm	PE

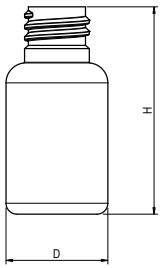


	Code	Volume	Height	Diameter	Material
	**BOTTLE**	300 ml	180.0 mm	65.0 mm	PE

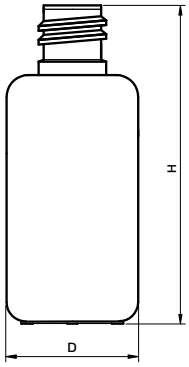
A FAMILY-OWNED COMPANY
with more than 50 years' experience and the ability to react quickly to changing market demands



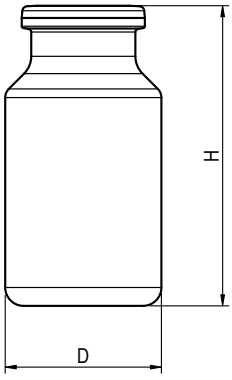
9. Nasal spray bottles with thread and snap-on



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



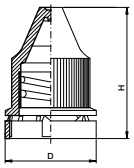
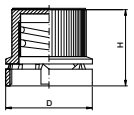
Code	Volume	Height	Diameter	Material
BOTTLE	50 ml	82.0 mm	35.0 mm	PE

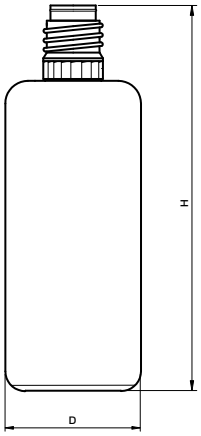


Code	Volume	Height	Diameter	Material
BOTTLE	10 ml	53.0 mm	24.0 mm	HD-PE
BOTTLE	15 ml	55.0 mm	25.0 mm	HD-PE



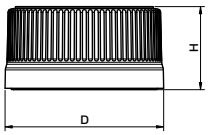
10. Dropper bottles with caps

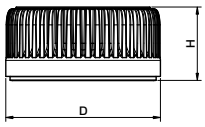
	Code	Height	Inner dia	Outer dia	Material
	**CAP TE with dropper**	30.0 mm	19.0 mm	23.1 mm	HD-PE
	**CAP TE with insert**	18.5 mm	19.0 mm	23.1 mm	HD-PE
	**Dropper**	16.0 mm		15.5 mm	LD-PE
	**Insert**	6.7 mm		15.5 mm	LD-PE

	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

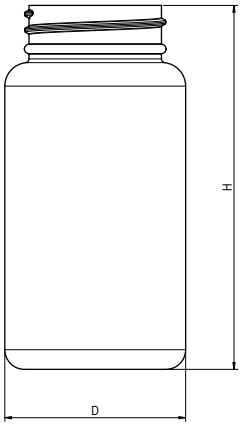

Silica 2g
DO NOT EAT

11. Hybrid closures

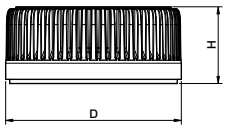




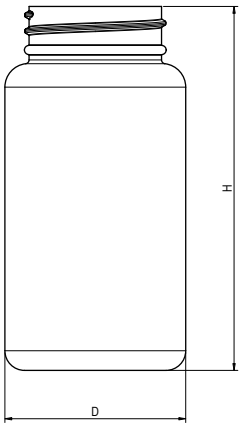
Code	Height	Inner dia	Outer dia	Material
CAP CR 33	20.9 mm	32.2 mm	40.0 mm	PP
CAP CR 33 D	20.9 mm	32.2 mm	40.0 mm	PP
CAP CR 33 TE	20.9 mm	32.2 mm	40.0 mm	PP
CAP CR 33 TE+D	20.9 mm	32.2 mm	40.0 mm	PP
CAP CT 33	18.6 mm	32.2 mm	39.0 mm	PP
CAP CT 33, D	18.6 mm	32.2 mm	39.0 mm	PP
CAP CT 33, TE	18.6 mm	32.2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



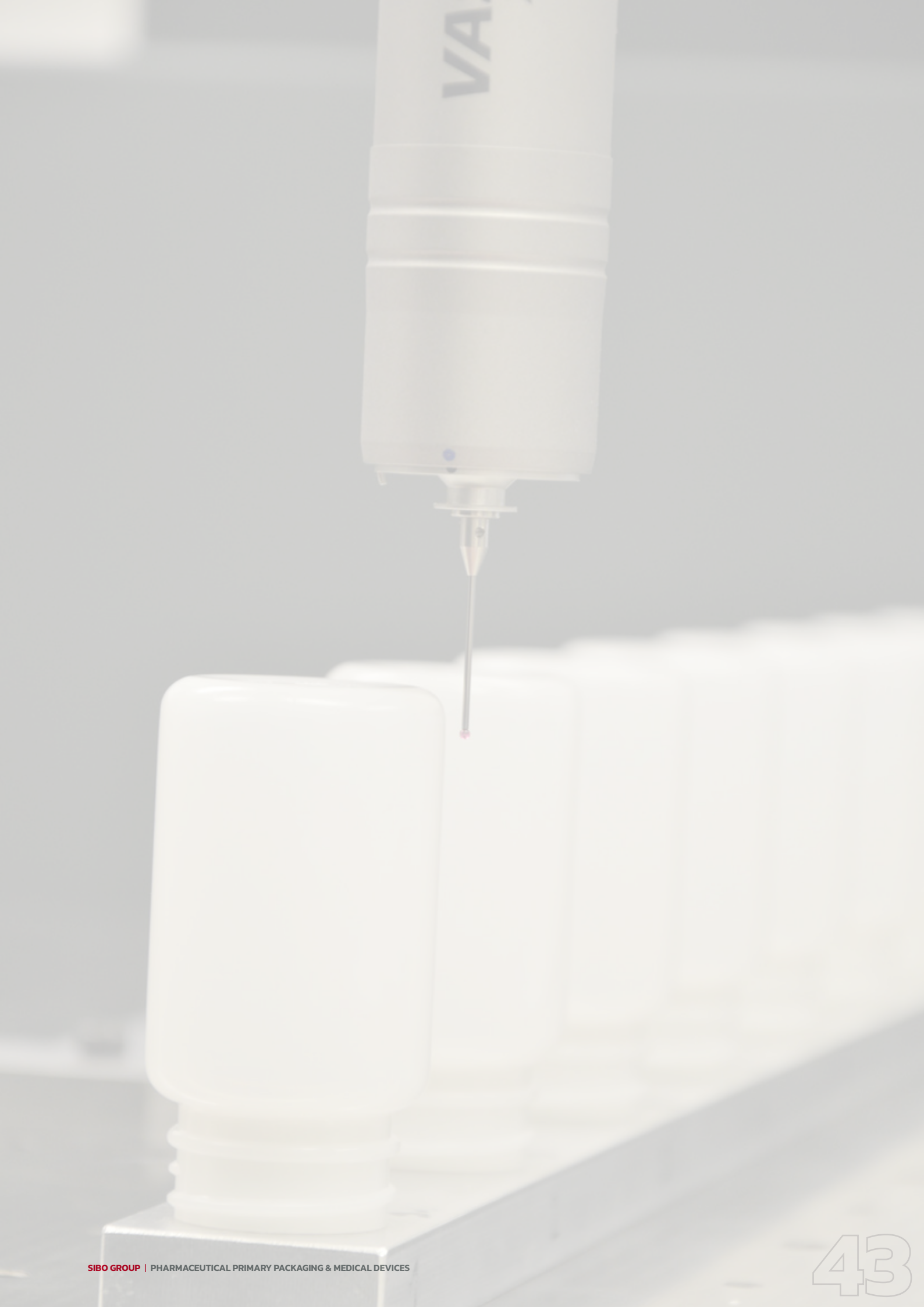
Code	Volume	Height	Diameter	Material
BOTTLE V-040-020	20 ml	40.0 mm	39.1 mm	HD-PE
BOTTLE V-040-040	40 ml	59.5 mm	38.1 mm	HD-PE
BOTTLE V-040-060	60 ml	74.9 mm	39.3 mm	HD-PE
BOTTLE V-040-075HW	75 ml	75.8 mm	44.2 mm	HD-PE
BOTTLE V-045-115	115 ml	90.5 mm	48.4 mm	HD-PE
BOTTLE V-055-260	260 ml	141.0 mm	55.0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

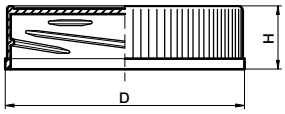
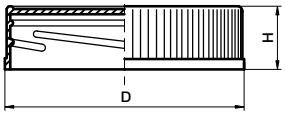
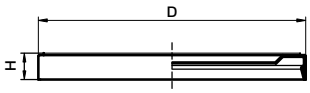


Code	Volume	Height	Diameter	Material
BOTTLE V-045-060	60 ml	63.8 mm	45.0 mm	HD-PE
BOTTLE V-045-075LT	75 ml	75.0 mm	45.5 mm	HD-PE
BOTTLE V-045-100	100 ml	85.5 mm	45.5 mm	HD-PE
BOTTLE V-045-120	120 ml	95.4 mm	47.2 mm	HD-PE
BOTTLE V-050-120	120 ml	95.6 mm	47.4 mm	HD-PE
BOTTLE V-055-120	120 ml	84.2 mm	53.4 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

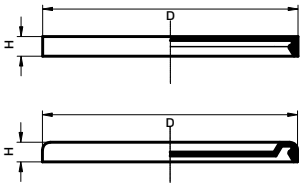
	Code	Height	Inner dia	Outer dia	Material
	**CAP 82 mm**	20.3 mm	82.0 mm	85.0 mm	PP
	**CAP 66 mm**	18.0 mm	66.0 mm	69.0 mm	PP
	**LID**	7.7 mm	73.0 mm	76.0 mm	PP

HIGH QUALITY STANDARDS

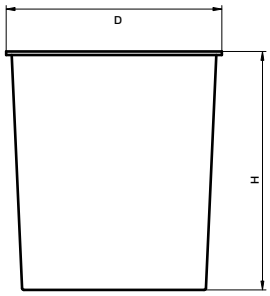
Focused on maintaining high quality standards in production and quality control in accordance with ISO 9001:2015, ISO 13485:2016, ISO 15378:2017, KOSHER and ISCC+



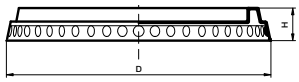
13. Measuring cups and lids



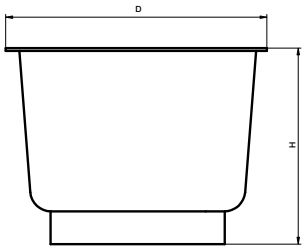
Code	Height	Inner dia	Outer dia	Material
LID for 70 ml cup	4.9 mm	46.0 mm	47.5 mm	LD-PE
LID for 140 ml cup	5.2 mm	61.0 mm	64.0 mm	LD-PE



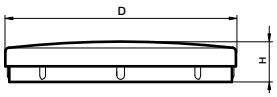
Code	Volume	Height	Diameter	Material
CUP	70 ml	62.5 mm	41.5 mm	PS
CUP	140 ml	69.0 mm	56.0 mm	PS



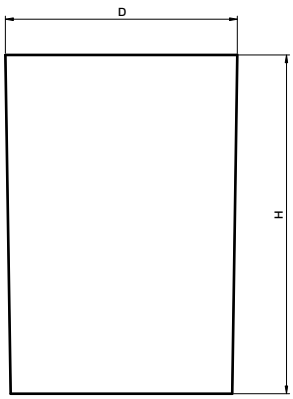
Code	Height	Inner dia	Outer dia	Material
LID	11.7 mm	89.0 mm	98.5 mm	PP



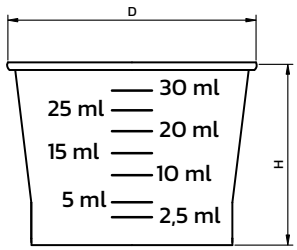
Code	Volume	Height	Diameter	Material
CUP	180 ml	51.5 mm	85.0 mm	PP
CUP	270 ml	72.0 mm	85.0 mm	PP



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

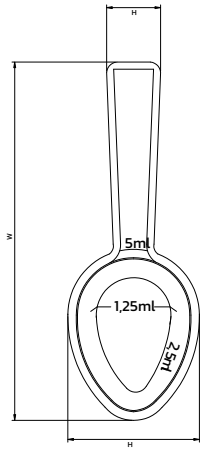


Code	Volume	Height	Diameter	Material
Measuring cup	2.0–20 ml	34.7 mm	36.8 mm	PP
Measuring cup (3/6/9)	2.5–20 ml	28.5 mm	38.4 mm	PP
Measuring cup	2.5–30 ml	34.3 mm	46.7 mm	PP





14. Spoons



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

Our primary packaging products are **DMF approved**



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



Commitment to use of **renewable energy sources** > 2025 at least **50%** > 2030 **100%**

Climate

Carbon Intensity Index



Massive reduction of CO_2 > 2020 **8,730** t CO_2 eq > 2022 **127** t CO_2 eq

Sustainable product development



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



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