





# ADVANTAGES OF THE AIRLESS RANGE



EMBELIA offers several ranges of Airless with different properties to protect your sensitive formulas, depending on your needs and positioning.

This range is essentially designed for the cosmetics and parapharmacy sectors.

## WHAT IS THE AIRLESS SYSTEM?

The AIRLESS Packaging Association defines it as follows:

*"AIRLESS packaging is a non-pressurised, tamper-proof dispensing system that combines a mechanically activated pump and a container which, after filling and airtight sealing, delivers the product with no air intake. The container, is available with a soft pouch or a sliding piston."*



# ADVANTAGES OF THE AIRLESS RANGE

## AN EXTENSIVE, VARIED RANGE

- **5 ranges** offer a wide selection of shapes and volumes...
- Airless systems, bottles or jars, with **piston pump, pouch** and/or **refillable**
- **Different volumes depending on the ranges:**  
from 0.25 ml to 1.50 ml
- **7 sizes:**  
15 ml, 30 ml, 50 ml, 100 ml, 200 ml, 400 ml and 500 ml



## INFINITE DESIGN OPTIONS

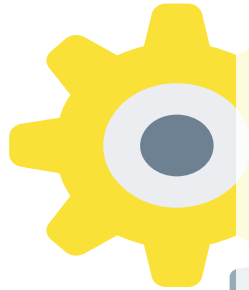
- All-through colour: bottle (tube and pouch) and overcap (depending on the ranges)
- Screen printing
- Coated
- Offset
- Hot-foil stamping
- Metallisation
- Digital printing
- Label, etc.



# ADVANTAGES OF THE AIRLESS RANGE

## FUNCTIONAL ADVANTAGES

- **Protection and preservation of the formula** from the air and oxidation. Reduces the amount of preservatives
- **Compatibility** with a wide variety of textures and viscosities
- **Optimal restitution** to avoid waste (restitution rate up to 95% depending on the formula)
- **Can be used in all positions 360°**
- **Easy to package** on conventional lines, with no air gap



## ENVIRONMENTAL ADVANTAGES





- **Incorporation of recycled material** possible with certain ranges
- **Recyclability of components:** all the components can be recycled in the traditional sorting facilities
- **Refill:** a refillable version is available in one of our ranges
- **Reduces the carbon footprint:** optimised management of logistics flows, manufacturing and assembly in France or Europe





# AIRLESS POUCH BAIA

Highly versatile, the Baia range offers multiple configurations: 3 sizes, including a handy travel size (15 ml), the bottles and pouches are available in various materials

		Volume / Dose	Material	Colour
<b>Bottle</b>		15 ml 30 ml 50 ml	PP or Recycled circular PP or Plant-based circular PP	<b>Natural or White</b>
<b>Pouch</b>		15 ml 30 ml 50 ml	PE or Aluminium	<b>Natural or Aluminium</b>
<b>Cream Pump *</b>		0.25 ml 0.50 ml	PP	<b>White</b>
<b>Overcap</b>		- - -	PP or Recycled circular PP or Plant-based circular PP	<b>Natural or White</b>

\* A spray version is available on request



**AIRLESS BOTTLES**

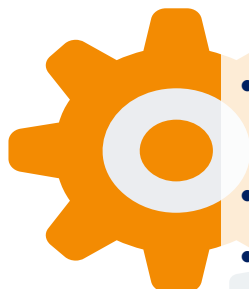




# AIRLESS POUCH BAIA

## FUNCTIONAL ADVANTAGES

- **Excellent protection** from the oxidation of sensitive formulas with the PE or aluminium pouch
- **Optimal restitution rate** > 95% even for highly viscous formulas
- **High dosage precision and excellent repeatability**
- **Self-priming**
- Assemblies manufactured under **pharmaceutical** conditions: pharmacopoeia-grade material (standard PP) and produced in a clean room).



## ENVIRONMENTAL ADVANTAGES

- **Recyclability** of the assemblies has been validated in existing recycling channels
- **Incorporation of recycled or renewable materials**  
Recycled PP and bio-sourced PP are derived from chemical recycling (plastic waste or plant waste)
- **Ecocert certification** in the 3 available materials
- We are developing a **refillable** version





# REFILLABLE AIRLESS BAIA REFILL – IN DEVELOPMENT

BAIA is available in a refillable version to limit our environmental impact



Two refillable options:

1) I replace only the pouch, and reuse the bottle, pump, collar and overcap

2) I replace the pouch and pump, and reuse the bottle, collar and overcap

		Volume / Dose	Material	Colour
Bottle		30 ml 50 ml	PE	Natural or White
Pouch		15 ml 30 ml 50 ml	PE or Aluminium	Natural or Aluminium
Cream Pump		0.25 ml 0.50 ml	PP	White
Collar		-	PP	White
Overcap		-	PET	Crystal



# REFILLABLE AIRLESS BAIA REFILL – IN DEVELOPMENT



## ENVIRONMENTAL ADVANTAGES

- **Waste reduction:** only the pouch is discarded after use, savings occur from the 2nd use
- **Incorporation of recycled material** currently in the process of qualification
- **Recyclability** in traditional sorting facilities





# AIRLESS POUCH ECOSOLUTION

The Ecosolution range is available in 5 sizes, including 2 XL sizes and can dispense viscous products

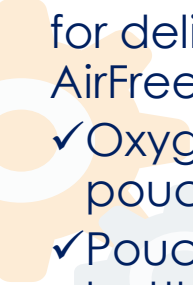
		Volume / Dose	Material	Colour
Bottle		50 ml 100 ml 200 ml 400 ml 500 ml	PP	Natural or White
Pouch		-	PE	Natural
Cream Pump		Short nozzle - 1.50 ml Long nozzle - 1.50 ml	PP	White
Overcap		Short nozzle pump only	PP	Natural





# AIRLESS POUCH ECOSOLUTION


## FUNCTIONAL ADVANTAGES

- 
- **Reliable protection from oxygen** for delicate formulas with AirFree® technology
    - ✓ Oxygen barrier multilayer pouch (PE/EVOH)
    - ✓ Pouch integrated into the bottle “bag-in-bottle”
  - **Restitution** of formulas to a high level of viscosity



EMBELIA, LE PACKAGING FULL SERVICE

## ENVIRONMENTAL ADVANTAGES

- 
- **Incorporation of recycled materials:** PCR can be incorporated into one of the inner layers of the bottle
  - **Recyclability:** this 100% plastic Airless assembly (PE and PP) is recyclable. No metallic parts, even in the pump
  - **Reduction** in the number of components

AIRLESS BOTTLES



# AIRLESS POUCH THE SLIDISSIME JAR

Extremely elegant, the Slidissime jar provides a new application solution while protecting sensitive formulas. The airless jar is available in the 50 ml size.

## FUNCTIONAL ADVANTAGES

- A **soft-touch** pump that delivers a steady, controlled dose
- **Protection** against external contamination: fingers never come into contact with the inside of the jar
- **Preservation of sensitive formulas** the ingredients are protected from oxidation



		Volume / Dose	Material	Colour
Jar		50 ml	PMMA	Crystal
Pouch		50 ml	PE	White
Cream Pump *		0.50 ml		White
Overcap		-	PCTA	White





# AIRLESS PISTON PUMPS DANA

A competitive product, the Dana range is available in 2 sizes, 30 ml and 50 ml, and offers high-quality design options

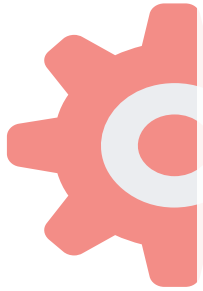
		Volume / Dose	Material	Colour
Bottle		30 ml 50 ml	PP	Natural, White, Black
Cream Pump		0.25 ml	PP + metal	Natural, White, Black
Overcap			PP	Natural, White, Black





# AIRLESS PISTON PUMPS DANA

## FUNCTIONAL ADVANTAGES



- **Protection** of the product from external contamination
- **Compatibility** with a large number of formulas. The product has no contact with the metal parts
- **Smooth operation** even with viscous formulas



## ENVIRONMENTAL ADVANTAGES

- **Incorporation of recycled material** PCR possible
- **Recyclability** in the existing sorting facilities
- **Ecocert** and **Cosmos** qualification





# AIRLESS PISTON PUMPS PEARL AND MINI PEARL

The Pearl and Mini Pearl ranges are available in various shapes and 5 sizes from 15 ml to 150 ml



PEARL	Volume / Dose	Material	Colour
Bottle	50 ml 100 ml	PP	White
Cream Pump	1 ml	pp	White
Overcap		PP	Natura
MINI PEARL	Volume / Dose	Material	Colour
Bottle	15 ml 30 ml 50 ml	PP	White
Cream Pump	1 ml	PP	White
Overcap		PP	Naturel





# AIRLESS PISTON PUMPS PEARL AND MINI PEARL

## FUNCTIONAL ADVANTAGES

2 shapes to respond to the different markets and applications

- **Sleek and elegant** for the Mini Pearl in a 15 ml volume travel size
- **Squat** for the Pearl, 3 sizes: 30 ml, 50 ml and 100 ml



## ENVIRONMENTAL ADVANTAGES

- **Incorporation of recycled material**

PCR possible

The proportion of recycled material is 80% of the weight of the article





Airless range

Thank you for your interest

**EMBELIA**

14 place de la coupole

S 40016

94227 Charenton-le-Pont Cedex

France

[embelia.com](http://embelia.com)

