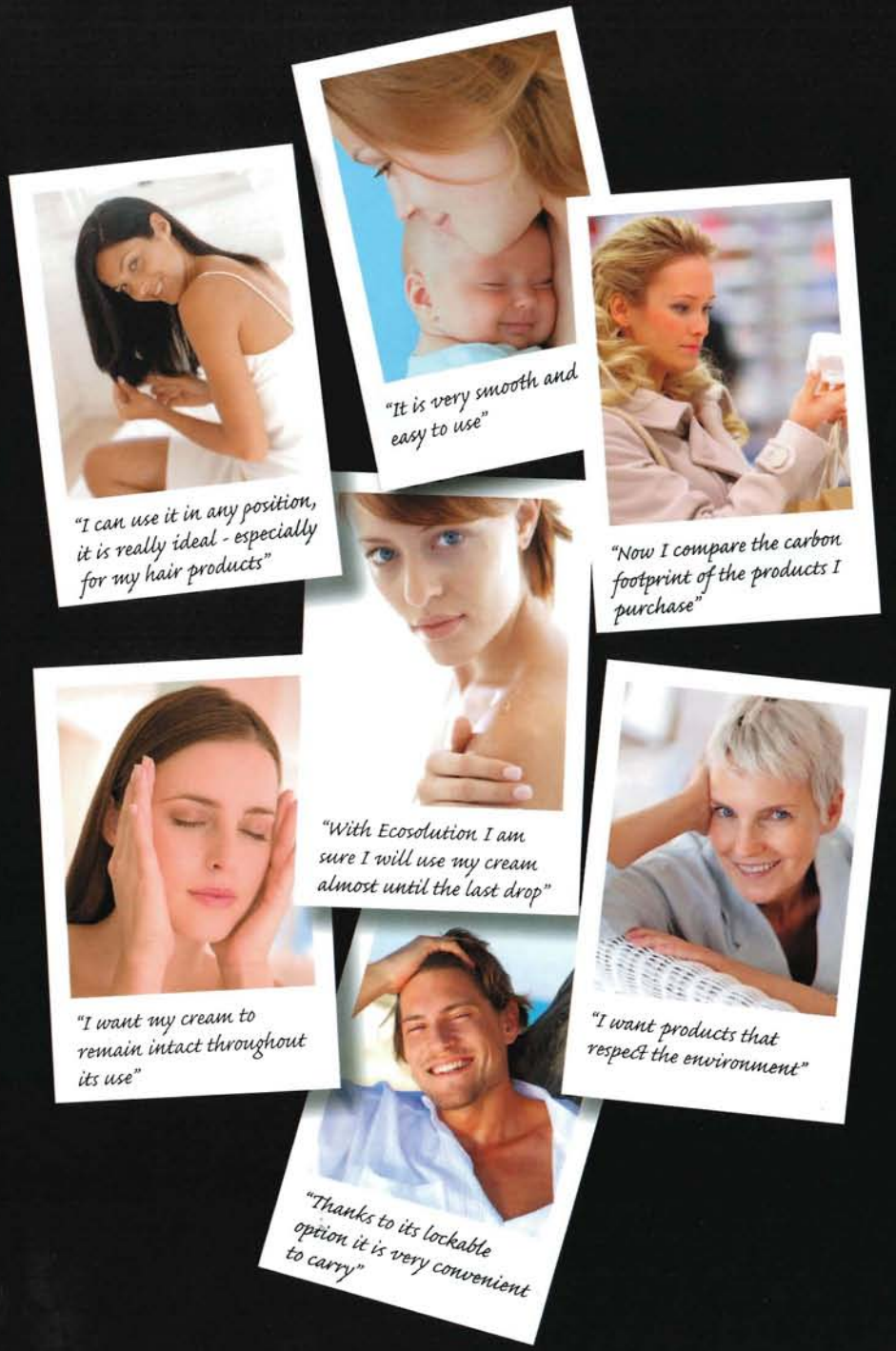




ecosolution™

THE NATURAL SELECTION



"I can use it in any position, it is really ideal - especially for my hair products"

"It is very smooth and easy to use"

"Now I compare the carbon footprint of the products I purchase"

"With Ecosolution I am sure I will use my cream almost until the last drop"

"I want my cream to remain intact throughout its use"

"I want products that respect the environment"

"Thanks to its lockable option it is very convenient to carry"

The first ecological airless dispensing system



Promens creates revolution in the airless market by launching **ecorolution**, the first green airless dispensing system.

At Promens, we are committed to integrating sustainability in product design and development. Our latest innovation was developed following that direction. **ecorolution** is the first ecological airless dispensing system.

ecorolution combines a simple design and high performance, and will take care of the product while taking care of the planet. It features only components in PP and PE – no metal or glass part – and thus is 100% recyclable. As an airless dispensing system, it protects your formula from oxygen and contaminants.

ecorolution uses the AirFree® technology and is protected by three patents.

100% PLASTIC: NO METAL, NO GLASS

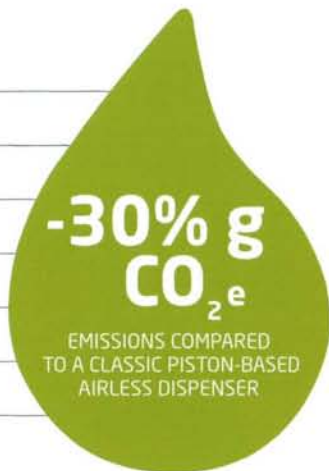
ECO-CONCEIVED

100% RECYCLABLE

50% LESS PARTS

THE MOST COMPACT AIRLESS SYSTEM*

BOTTLE AVAILABLE IN RECYCLED MATERIAL (R-PE)



What is AirFree®?

AirFree® is a patented technology developed by Promens based on the co-extrusion of a 5-layer parison (PP/PP/EVOH/Adhesive/PE), which is then blow moulded to create an airless bottle. It uses the "bag-in-bottle" technology.

*Ratio between formula volume and packaging volume.

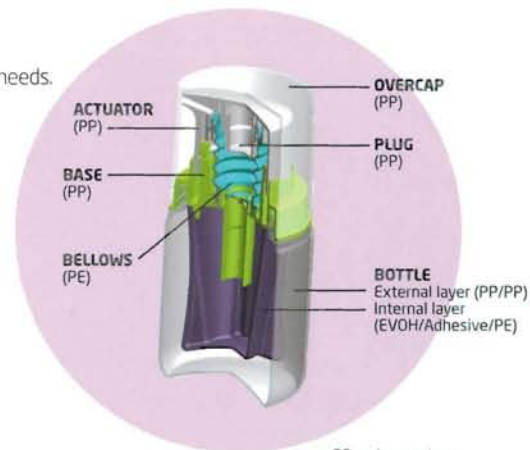
ecorolution™ PROPERTIES

ecorolution is available with 2 different actuators:



long and short, in order to answer all of the market needs. The short actuator is available with an overcap.

- Nominal dose: 1.5 ml
- Excellent restitution rate >95%**
- Suitable for all viscosities
- Multi-position 360° use
- Comfort of use
- Easy lockable system
- Freedom of bottle design and color
- Easy filling process (no special machine)
- Snap-on neck
- All decoration available
- Available in 5 capacities: 50 ml, 100 ml, 200 ml, 400 ml & 500 ml



PP: polypropylene
PE: polyethylene

ecorolution™ STANDARD RANGE



Bottle dimensions	50 ml	100 ml	200 ml	400 ml	500 ml
Height (mm)	59	96	131	163	174
Diameter (mm)	42	44	52	65	70
Neck (mm)	35	35	35	35	35

**for bottles <250 ml, depending on viscosity.

COMPARISON BETWEEN AIRLESS DISPENSING SYSTEMS

eco^olution[™] combines all existing airless packaging benefits without the disadvantages.

	 PISTON AIRLESS PACKAGING	 eco ^o lution [™]	 ALUMINIUM POUCH AIRLESS PACKAGING
NUMBER OF PARTS (average of global system)	12	5	15
METAL PARTS	YES	NO	YES
RECYCLABILITY	NO	YES	NO
RANGES	UP TO 250 ML	UP TO 500 ML	UP TO 250 ML
DESIGN	CYLINDRICAL OR OVAL	FREEDOM OF SHAPES	FREEDOM OF SHAPES
RESTITUTION RATE	>95%	>95%**	>95%**
MULTIPOSITION USE	YES	YES	YES
VISCOSITY	CREAM	LOTION & CREAM	LOTION & CREAM
OXYGEN PROTECTION	NO	YES	YES
CONTAINER PROCESS	4 STEPS	1 STEP	6 STEPS

eco^olution[™] MARKETS OF APPLICATION



eco^olution[™]
THE NATURAL SELECTION

Exclusively offered in the USA
by
ABA Packaging Corporation

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For more information, visit our website at
www.personalcare.promens.com


PROMENS