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## Piston & Valve

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CERTIFICATIONS
Lumson Headquarters and both its manufacturing sites in Capergnanica (CR) and in S.Maria di Sala (VE) are certified UNI EN ISO 9001:2008.
Lumson Headquarter and the manufacturing site in Capergnanica (CR) are certified UNI EN ISO 14001.

RESEARCH & DEVELOPMENT
Lumson Design Team creates new packaging collections according to the latest Design and Fashion trends or to the rising market needs.

Lumson Technical Dept. develops the ideas using the latest technologies and a high level of innovation.

Lumson Validation Dept. checks, tests and validates every single item, to ensure they are made and manufactured according to Lumson’s standards.

MANUFACTURING
Lumson uses the latest technologies and advanced machinery to ensure a perfect manufacturing process.

MANUFACTURING LINES (IN HOUSE)

QUALITY CONTROL
All production processes are continuously monitored by Lumson Q. C. Dept. to verify they meet Lumson’s quality standards.

BOTTLES & JARS
Airless with Glass bottles, Airless with Plastic bottles, Plastic bottles, Glass bottles, Glass jars.

DISPENSING SYSTEMS
Airless Systems, Cosmetic Pumps, Cosmetic dispensers, Droppers, Dispensing caps, Flip tops.

ACCESSORIES
Covers, Overcaps, Screw caps, High Sealing Gaskets, Cosmetic accessories.

DECORATIONS
Screen printing, Tampo printing, Hot stamping, Water based spray coloring, UV spray coloring, UV Metallization, Traditional Metallization, Special unique decorations, Photoengraving relief on Plastic Bottles.
TAG: Techno Airless Glass

TAG System is the first and only Airless System in the world in a Glass Bottle.
A revolutionary cosmetic packaging product designed, patented, and manufactured by Lumson.
A System that combines the beauty, the preciousness, and the luxury of a glass bottle with all the technical and functional advantages of an Airless Dispensing System.
TAG System is now available in 3 different Designs/Shapes.
AVAILABLE IN 3 DIFFERENT DESIGNS/SHAPES
> TAG 355: a cylindrical glass bottle with a onebody pump and overcap.

> TAG LUXEA: a new original design made of a semi-spherical shape spaced out by two flat surfaces, with extra thick base to enhance the beauty of the glass, and with a specific pump and overcap.

> TAG DE LUXE: a high-end cylindrical glass bottle specifically designed with extra thick base to enhance the beauty of the glass and with a onebody pump and overcap.

AIRLESS GLASS BOTTLES
> Delivered with a pre-shaped thin collapsible “pouch” inside.
> Delivered with our “Eco-Lock System” that allows:
  - Total product protection while use
  - 100% recyclability after using

AIRLESS PUMPS
> Dosages: 250 mcl
> Easy and fast “Snap On” assembling

AVAILABLE WITH DIFFERENT TYPES OF POUCHES
The system is available with different kinds of pouches that can be manufactured according to the client’s formula to supply a standard or an extra barrier protection and for maximum compatibility.

TAG SYSTEMS: RESPONSIBLE RECYCLING PACKAGING
After use, the final consumer can easily separate the glass bottle from the plastic components for a more responsible recycling process of the two separated materials.

“GLASS ENHANCER”: A UNIQUE DECORATION
Lumson designed and developed a special decoration only for its TAG systems. The “GLASS ENHANCER” consists of a spray colouring on the inside of the glass bottle to enhance the beauty of glass by showing the clear and thick base of the bottle. This creates unique and innovative visual effects (also available with pearled and metallized colours).

10 REASONS TO CHOOSE A TAG SYSTEM:
> The functional and technical advantages of an Airless System with the beauty of a Glass Bottle.
> Airless System to protect sensitive ingredients and to reduce usage of preservatives.
> Available with different pouches for a standard or an extra barrier protection.
> “Tamper-Proof” Airless System to protect your formula.
> Very low product residue after total dispensing (>95% restitution rate).
> Functions perfectly with different formulas: including high-density products.
> Easy and fast top filling (No special tooling needed)
> Highly customizable with special innovative, and unique decorations.
> Available with Single or Multilayer pouch.
> Eco and “Responsible Recycling” features.
> “Attestation of Conformity” by Ecocert Greenlife.

4 SIMPLE STEPS TO SEPARATE GLASS FROM PLASTIC

A LOGO TO INFORM CONSUMERS
In order to promote TAG’s after usage recycling features, Lumson has designed, developed, and patented a special logo that can be used by its customers (free of charge) to inform final users about the possibility to separate the glass bottle from plastic components, for a more responsible recycling process.
TAG 355
Sizes: 15ml - 30ml - 50ml

TAG 355 MAXI
Sizes: 15ml - 30ml

TAG 355 MAXI XXL
Size: 15ml

Materials:
Bottle: Glass
Eco-lock collar: PP
Pouch: PE special compound

15ml - 30ml - 50ml - MAXI XXL 15ml: Single layer
30ml - MAXI 15ml - MAXI 30ml: Multilayer

PUMP SMART
AIRLESS AA355
Material: PP
Dosage: 250mcl
Available Actuators:
Smile 223 in PP
Pearl 223 in Copolyester

OVERCAP AA355
Materials: PP (Shiny Finish)
SAN (Shiny or Matt Finish)
TAG DeLuxe
Sizes: 15ml - 30ml - 50ml

TAG DeLuxe MAXI
Size: 15ml - 30ml
Materials:
- Bottle: Glass
- Eco-lock collar: PP
- Pouch: PE special compound
15ml - 40ml - 50ml: Single or Multilayer
30ml - MAXI 15ml - MAXI 30ml: Multilayer

PUMP SMART
AIRLESS AA355
Material: PP
Dosage: 250mcl
Available Actuators:
- Smile 223 in PP
- Pearl 223 in Copolyester

OVERCAP AA355
Materials: PP (Shiny Finish)
SAN (Shiny or Matt Finish)
Techno Airless Glass
TAG Luxea

Sizes: 30ml - 50ml
Materials:
- Bottle: Glass
- Eco-lock collar: PP
- Pouch: PE special compound
  Single layer

PUMP SMART
AIRLESS TAG Luxea
Material: PP
Dosage: 250mcl
Available Actuators:
  - Smile 223 in PP

OVERCAP
Luxea 336
Material: SAN
  (Shiny Finish)
APP: Airless Plastic Packaging

APP Airless Plastic Packaging is a new Airless system entirely designed, developed, manufactured, and decorated in Italy by Lumson. The system utilizes the highly reliable “Airless Pouch Technology” already tested on the market, with a “Bright and Thick” cylindrical plastic bottle. Now also available with a new design: APP 355S.
DIFFERENT SHAPES/DESIGNS CAN BE DEVELOPED
APP's plastic bottle can be easily customized with different shapes as Lumson’s Airless Pouch Technology can be applied to any kind of bottle design.

3 SIZES TO CHOOSE FROM
Available in three sizes: 15, 30 and 50 ml, APP is the perfect choice for skin care formulas or make-up liquid foundations andprimers.

AVAILABLE WITH DIFFERENT TYPES OF POUCHES
Pouches can be manufactured according to client’s formula to supply a standard or an extra barrier protection and for maximum compatibility.

PROTECTION FOR SPECIAL ADVANCED FORMULAS
New innovative and improved formulations need to maintain stability of specific ingredients. APP Airless Plastic Packaging helps to preserve sensitive cosmetic ingredients, such as vitamin C, Retinol, etc., from deteriorating.

REDUCTION OF PRESERVATIVES
The market is concerned about reducing preservatives. With the use of Lumson’s Airless Systems, exterior air contamination is eliminated, and a sensible reduction of preservatives may be possible.

A WIDE RANGE OF DECORATION OPTIONS
APP Airless Plastic Packaging is highly customizable with a wide range of colours and decorations.

APP: RESPONSIBLE RECYCLING PACKAGING
After use, the final consumer can easily separate the clean plastic bottle from the pouch that contained the product and dispensing components. These two elements may then be disposed of separately, each one in its proper recycling chain.

VERY LITTLE PRODUCT RESIDUE
Final consumers are very sensitive about residual product left in the pack. APP guarantees a dispense rate of more than 95%, so your clients may get the entire product they have paid for.

HIGH DENSITY FORMULATIONS
APP Airless Plastic Packaging can distribute almost any type of cosmetic formula: from low to very high density products.

PRODUCT PROTECTION
“Tamper-Proof” Airless Systems like APP give your product maximum protection against contamination from external sources.

10 Reasons to choose APP AIRLESS PLASTIC PACKAGING:
> Utilizes the highly reliable “Airless Pouch Technology” by Lumson.
> Bottle designs can be easily developed in different materials.
> Ensures a very low product residue after total dispensing (>95% restitution rate).
> Available with different pouches for a standard or an extra barrier protection.
> Helps to protect sensitive ingredients from deteriorating and may allow reducing the use of preservatives.
> “Tamper-Proof” Airless to help protect your formula from external contamination.
> Functions perfectly with different formulas, including high-density products.
> Easy and fast to fill from the top (No special tooling needed)
> Highly customizable with a wide range of colours and decorations.
> Strong Eco attitude and “Responsible Recycling” features.

A LOGO TO INFORM CONSUMERS
In order to promote APP’s after usage recycling feature, Lumson has designed, developed, and patented a special logo that can be used by its customers (free of charge) to inform final users about the possibility to separate the clean plastic container, for a more responsible recycling process.
Airless Plastic Packaging

APP ENVERS 653

Size: 50ml
Materials:
Bottle: PETG
Overshell actuator: Copolyester
Pouch: PE special compound Multilayer
Dosage: 230mcl
Airless Plastic Packaging

APP 355S

Sizes: 15ml - 30ml - 50ml
Materials:
Bottle: PETG
Eco-lock collar: PP
Pouch: PE special compound
   Multilayer

PUMP SMART
AIRLESS AA355S
Material: PETG
Dosage: 250mcl
Available Actuator:
Pearl 223 in Copolyester

OVERCAP AA355
Materials: PP (Shiny Finish)
SAN (Shiny or Matt Finish)
Airless Plastic Packaging

**APP 355**

- **APP 355**
  - Sizes: 30ml - 50ml
- **APP 355 MAXI**
  - Sizes: 15ml - 30ml

**Materials:**
- Bottle: PETG
- Eco-lock collar: PP
- Pouch: PE special compound
- 30ml - 50ml - MAXI 15ml - MAXI 30ml: Multilayer
- 50ml: Single layer

**PUMP SMART AIRLESS AA355**
- Material: PP
- Dosage: 250mcl
- Available Actuators:
  - Smile 223 in PP
  - Pearl 223 in Copolyester

**OVERCAP AA355**
- Materials: PP (Shiny Finish)
- SAN (Shiny or Matt Finish)

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Airless Plastic Packaging

**APP P-COLORS**

**Sizes:** 30ml - 50ml

**Materials:**
- Bottle: PETG
- Eco-lock collar: PP
- Pouch: PE special compound
- Multilayer

**PUMP SMART AIRLESS AA355**
- Collar material: PP
- Dosage: 250mcl
- Available Actuators:
  - Smile 223 in PP
  - Pearl 223 in Copolyester

**OVERCAP AA355**
- Materials: PP (Shiny Finish)
- SAN (Shiny or Matt Finish)
Airless Plastic Packaging

**APP 355 START**

Sizes: 15ml - 30ml - 50ml  
Materials:  
- Bottle: PE  
- Pouch: PE special compound  
  Single layer  

PUMP SMART  
AIRLESS AA355  
Material: PP  
Dosage: 250mcl  

Available Actuator:  
Smile 223 in PP  

OVERCAP AA355  
Material: PP (Shiny Finish)

**APP 355 TOUCH**

Sizes: 15ml - 30ml - 50ml  
Materials:  
- Bottle: PE Soft Touch  
- Pouch: PE special compound  
  Multilayer  

PUMP SMART  
AIRLESS AA355  
Material: PP  
Dosage: 250mcl  

Available Actuators:  
Smile 223 in PP  
Pearl 223 in Copolyester  

OVERCAP AA355  
Materials: PP (Shiny Finish)  
SAN (Shiny or Matt Finish)
Airless Plastic Packaging

**APP 355 GREEN**

Sizes: 30ml - 50ml

Materials:
- Bottle: PE - Green
- Eco-lock collar: PP
- Pouch: PE special compound
- Single layer

**PUMP SMART**
**AIRLESS AA355**

- Material: PP
- Dosage: 250mcl
- Available Actuators:
  - Smile 223 in PP
  - Pearl 223 in Copolyester

**OVERCAP AA355**

- Material: PP (Shiny Finish)
Piston & Valve Airless Systems
**Piston Airless System**

**Airless Stylo**

**SIZES:** 7,5ml - 10ml - 15ml

**Materials:**
- Bottle / Tube = PP
- Plug = PP
- Piston = PE

**SPECIFIC ACCESSORY:**
- AIRLESS PUMP
- PURITY STYLO
  (Using Lumson Purity patented engine)
- Material: PP (Shiny Finish)
- Available Actuators:
  - Actuator “TENDRIL”
  - Actuator “BEC”
- Material: PP (Shiny Finish)

**OVERCAPS FOR ACTUATORS BEC OR TENDRIL**
- Material: PP (Shiny Finish)
Piston Airless System
One o One

Size: 30ml
Materials:
Bottle: PP (available in Shiny or Matt finish)
Piston: PE

SPECIFIC ACCESSORY:
PUMP AIRLESS
PURITY ONE o ONE
(Using Lumson Purity patented engine)

NO METAL COMPONENTS
IN TOUCH WITH THE FORMULA
Pump Dosage: 230mcl
Material: PP (Shiny Finish)

OVERCAP
ONE o ONE:
Materials:
SMMA (Shiny Finish)
PP (Matt Finish)
AIRLESS TUBES Ø 22

Sizes:
- 15ml (Height 72mm)
- 30ml (Height 111mm)
  Single or Multilayer

Accessory:
- Screwcap for airless tube

AIRLESS TUBE Ø 25

Size:
- 30ml (Height 94mm)
- 50ml (Height 134mm)
  Single or Multilayer

Accessory:
- Screwcap for airless tube
  Available distribution hole:
  Ø 2mm

SCREW CAP FOR AIRLESS TUBES

Material: PP

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<td>50ml</td>
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