

THIMONNIER STRENGTHENS ITS EXPERTISE IN  
FLEXIBLE POUCHES PACKAGING  
FOR DAIRY PRODUCTS:

## SF102 ULTRA CLEAN FILLING LINE WITH CLARANOR PULSED LIGHT

### MODULAR, COMPACT AND ADAPTED TO HIGH SPEED

The SF102 is a filling capping for DOYPACK® and inverted pouches. The use of preformed pouch with filling by the spout offers the producers a great flexibility: position of the cap, shape and volume of the pouch, format change without mechanical adjustment  
240 pouches per minute in 3 lines version.

### ULTRA CLEAN SPECIFICATIONS:

The Ultra Clean SF102 allows the filling of dairy products, fresh or pasteurized with shelf life of up to 60 days depending on the products.

The compact and accessible packaging enclosure is optimized for cleaning while ensuring visual control.

- decontamination of the spout and the closure with Claranor Pulsed Light
- sanitation of the dosing system
- packaging under sterile air

**Thimonnier**<sup>®</sup>  
YOUR PACKAGING ENGINEERING PARTNER

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**claranor**

Pulsed Light Sterilization

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THIMONNIER'S EXPERTISE IN DAIRY & CHILLED PRODUCTS  
**ULTRA-CLEAN FILLING LINE  
WITH PULSED LIGHT DÉCONTAMINATION**

**claranor**

**FOR DOYPACK® & INVERTED STAND UP POUCHES**



**HOT FILL OR ESL 60 DAYS**

## INVERTED STAND UP POUCHES FEATURES

### CAP

- Up to 50 mm Flip top cap (with or without valve)
- Opaque, natural color (standard)
- With or without aluminum foil

### SPOUT

- Up to 27 mm suitable for larger lumps / chunks
- Opaque, natural color (standard), colored spouts (available)
- Filling of product with higher viscosities or pieces

### POUCH

- Barrier pouch
- Matte coatings offers a more natural appearance on shelf
- Bottom gusset pouches
- Multiple film options, hot fill, dairy, clear barrier, etc.



### BENEFITS

- Easily handling and dispensing product, even for smaller hands
- An induction seal on cap vs hard-to-remove ring pull
- Stable base for secure shelf merchandising and consumer at-home storage
- Almost 100% product evacuation and no spoon to clean
- Lightweight packaging system that delivers an improved sustainable benefit vs plastic tubs and glass

## PULSED LIGHT STERILIZATION TREATMENT

MICROBIOLOGICAL TEST:

Challenge test with *Aspergillus brasiliensis*

Surface of the spout to decontaminate: internal/external surface

Surface of the cap to decontaminate: internal



Results	Spout internal surface	Spout external surface	Cap internal surface
Pulsed Light Treatment	Mean log reduction	Mean log reduction	Mean log reduction
1 Flash	3 log	3 log	3 log

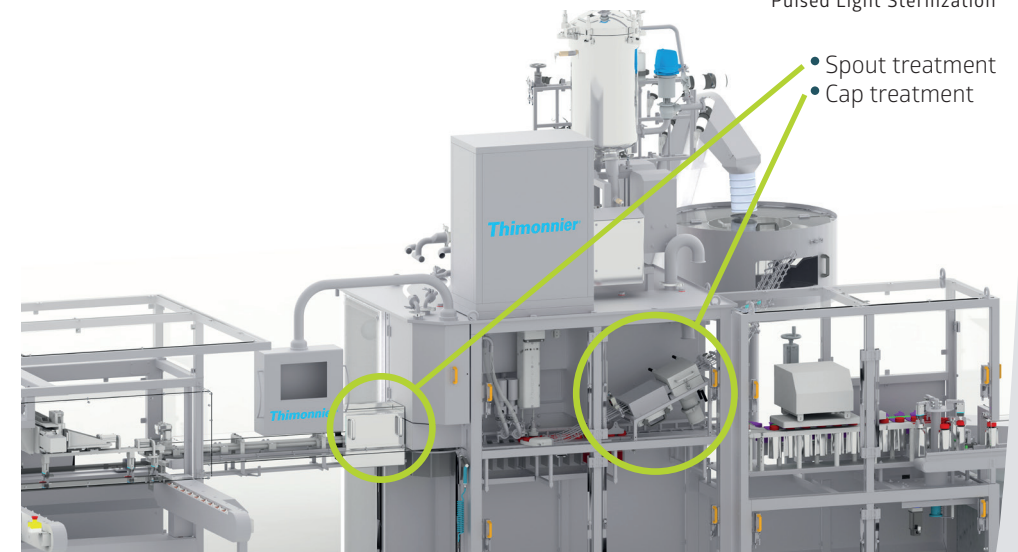
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## THIMONNIER FILLING/CAPPING MACHINE SF 102

### CHARACTERISTICS

- Filling through the spout on the top or on the corner
- Suitable for a wide range of spout
- DOYPACK® and inverted premade pouches

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Pulsed Light Sterilization



## PULSED LIGHT STERILIZATION TREATMENT FOR ESL 60 DAYS or HOT FILL

### ADVANTAGES

- Compact equipment, instant and dry treatment
- Total, immediate and irreversible micro organism destruction
- 3 log reduction on *A. brasiliensis*
- No water, no chemical, no residue
- Low energy consumption
- Operator friendly