

# SIG COMBIBLOC GmbH

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## Sales and service office in the United States

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## Product

Aseptic carton packaging equipment for liquid products into pre-formed paperboard cartons.

## Products currently being filled using Combibloc fillers

Juice and juice concentrates, nectars, milk, cream, condensed milk, rice milk, cream soups, soups with particulates, coffee, sauces, tomato products, baby food, fruit toppings and purees, syrups and teas.

## Equipment Models

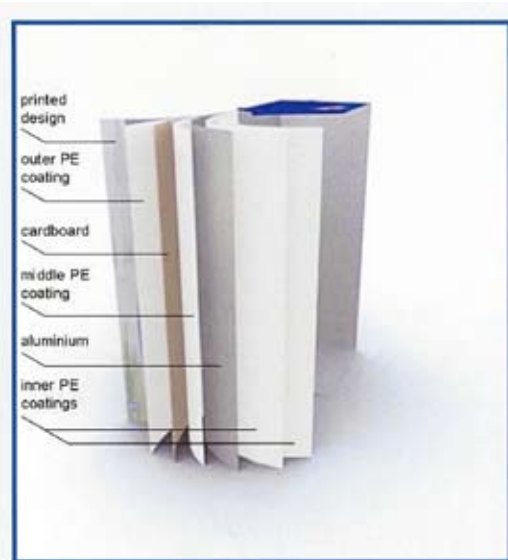
Note: SIG Combibloc manufactures many different models of fillers. Contact Combibloc for exact model desired. The following is the production speeds of the filler.

<b><u>Models</u></b>	<b><u>Production Rate</u></b>	<b><u>Pkg. Sizes</u></b>
Small Size Package	Up to 24,000 pph	125-150-200-250ml
Medium Size Package	Up to 12,000 pph	250-350-400-500
Large Size Package	Up to 9,000 pph	1000-1500-2000ml

<b>Filler</b>	Available in either single or double lane filler configurations. Capable of filling particulates up to 15 mm. Fill is above the product facilitating the filling of foods containing particulates.
<b>Sterilization of filler</b>	By steam and hot water
<b>Sterilization time of the filler</b>	1 hour
<b>Packaging</b>	Pre-formed, flat, folded sleeves which are printed, die cut and flame-sealed. The sleeve is fed into the Combibloc filler where it is opened, the bottom is sealed, and the formed carton is then filled with sterile product and sealed above the liquid contents.
<b>Sterilization of packaging</b>	By hydrogen peroxide and hot air

Combibloc fillers are FDA validated for aseptically filling low-acid foods

**Combibloc Packaging Structure**



*Courtesy of Combibloc presentation*

**Combibloc and Combifit Packages**



*Courtesy of Combibloc presentation*

## New Package: Combibloc Combishape



Courtesy of Combibloc presentation

## Combibloc 724 Food Filler



Courtesy of Combibloc presentation

## Types of Combibloc Opening Options



Courtesy of Combibloc presentation

## Additional Information

- Unlike Tetra Pak, there is no royalty payment assessed on packaging volume.
- Offers 20 different size packages (from 150 ml up to 2 liters).
- Changeover time for different size packages is approximately 2 minutes without changing machine parts.
- There is no loss of sterility during changeover of carton size.
- Packaging provides head space in the package to allow filling of particulates, shakeability and to avoid spilling when opened.
- Unique patented Pour 'n Seal CombiTop fitment available for recloseable carton.

### Combibloc Installations in the United States

<u>Company</u>	<u>Location</u>	<u>Number of Fillers</u>
Food Swing	Pennsylvania	2
Island Aseptic	Ohio	7
Pan American Beverages	Puerto Rico	3
Lyon's Magnus	California Kentucky	3
IFP/Leahy	Wisconsin	2
Q4 Integral	Nevada	1
Clement Pappas	Maryland	1
Rich Products	New York	1
Tree Top	Washington	3
Johanna Farms	New Jersey	5
Other		<u>7</u>
<b>Total</b>		<b>35</b>