

# 360°

## Schoeller Allibert Returnable Plastic Packaging Solutions

Intermediate  
Bulk Containers



Schoeller Allibert

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Do you want to know more?

# Innovating your logistics for a better world



## Intermediate Bulk Containers

Our ComboLife range is a bag-in-box foldable container that safely holds liquid contents and offers substantial cost savings. The Combo concept is the result of a development project in co-operation with global food and beverage companies who handle large volumes of liquid products. The concept is based on large foldable containers with flexible liner bags.

Our ComboLife range of foldable bag-in-box containers dramatically reduces your costs compared to alternative Intermediate Bulk Container (IBC) packaging systems that use drums and steel IBCs.

The ComboLife concept simplifies handling throughout the logistics process. They are easy to fill, discharge and transport. Combo containers are returnable and reusable and substantially reduce the use of packaging materials compared to one-trip Intermediate Bulk Container solutions. Only the liner bag is disposable.

ComboLife intermediate bulk containers are being used in many applications across the world: tomato paste, yoghurt and emergency drinking water are all stored and transported using Combo foldable IBC containers.

# Combo is a cost-effective, hygienic and safe liquid handling system

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## Key benefits Combo range

### Returnable, reusable, recyclable

The bag-in-box system is reusable and recyclable, which makes it a sound choice from an environmental standpoint. A returnable system like ComboLife liquid bag-in-box containers provides companies with an easy way to manage not only their financial but also their economic accounting.

### Lower trip costs

The compact design of the Combo range maximizes space and payload in all modes of transport. The volume of ComboLife containers is reduced 2,5 time when empty and folded for return journey. ComboLife containers have a low weight compared to most other distribution units, which means lower transport costs.

### Simplified handling

Preparing the Combo is a simple and easy process that can be carried out by one person, without the use of tools. The liner bag is delivered directly from the production line, clean and sterile. There is no need to pre-clean or prepare anything before filling.

### Better product protection

The ComboLife's closed filling system creates a sealed unit of liquid concentrates. The product does not oxidise during handling and no raw materials are wasted. Dust and moisture are shut out. ComboLife containers are tough and designed to withstand the impact of truck, rail and sea journeys.

### Safe stacking and storing

ComboLife containers can be stored for long periods outdoors and in freezer rooms. They are strong and stable and can be stacked high. The containers' compact, square design makes them safe and very efficient to store in large numbers.

## Intermediate Bulk Containers

### ComboLife 65



ComboLife 65 is a financial and environmentally friendly logistical solution. It combines a practical, cost-effective distribution system with great resource efficiency. Standard size and low weight mean that these containers can be used in most plants without requiring any additional investment. Satisfying all health and safety requirements, they contribute to a good working environment.

The ComboLife 65 is a compact, collapsible IBC designed to handle a variety of fluid products. It comes with a level indicator and optional features include a drain hole in the base and a lid with a tamper-evident locking device. The ComboLife 65 has a capacity of 264 litres and a weight of only 20 kg.



[More details see product page 05](#)

### ComboLife 285



The ComboLife 285 can easily be handled by one operator. Compared to traditional systems it is very easy to maintain and clean. This IBC container combines the benefits of a rigid returnable container system with the simplicity of disposable products. The ComboLife 285 saves you money and time on transport, handling and storage.

The ComboLife 285 is designed to handle 1000 litres. It has space-efficient dimensions that provide optimal stacking and cubing during transport. A drop-down door is an optional feature that facilitates easy liner installation or the loading of bulky goods. The feet are reinforced to carry a load of a 5-high stack and to sustain tough forklift handling.



[More details see product page 05](#)

## Top benefits

1. Returnable and foldable container
2. Highest hygienic due to bag-in-box idea
3. Minimized wastes both in material and product



## Combo Life

800 x 600



Item number	Dimensions mm	Volume / Weight	Version	Color	Lid
4430.010	Ext. 809 x 609 x 833 Int. 740 x 540 x 660 Stack height <b>813</b> Folding ratio 2,1	Vol. 264 L Weight 20 Kg		●	included



4430.020	Ext. 809 x 609 x 833 Int. 740 x 540 x 660 Stack height <b>813</b> Folding ratio 2,1	Vol. 264 L Weight 20 Kg	BD	●	included
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1155 x 1155



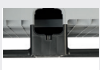
4420.020	Ext. 1155 x 1155 x 1132 Int. 1065 x 1045 x 940 Stack height <b>1115</b> Folding ratio 2,5	Vol. 1060 L Weight 88.5 Kg		●	included
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4420.032	Ext. 1155 x 1155 x 1132 Int. 1065 x 1045 x 940 Stack height <b>1115</b> Folding ratio 2,5	Vol. 1060 L Weight 88.5 Kg	BD DD	●	included
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## Versions

BD



Bottom Discharge

DD



Drop Door

## Top benefits

1. Variety of liners allow to use for different types of liquids
2. Wide range of connectors allow to use with different filling and emptying systems
3. Tamper evidence seals secure the content from unauthorised access



## Liner and accessories



Liner bags

A wide range of liner bags is available for CL 285DD. The liner is built up by a number of film layers welded together. Each layer of a selected material to provide desired performance. To fill and discharge, in- and outlet glands or valves are available in various dimensions and designs.



Connectors

Various connectors are available. The connectors are attached to a filling or discharge hose with the hose either connected to the filling gland or the discharge valve.



Filling bridge

There are different ways of filling in Combo. One of them is from top of container with support of the filling bridge. The filling gland on the liner bag is connected to a filling bridge for easy filling.



Tamper evident seals

The tamper evident seals are used to secure the four locking devices of the lid.



Tamper evident cap CL 285

The tamper evident cap secures the discharge area during transport and storage.



External valves

Various external valves are available. This allows customer to empty container in a convenient way.



## Case study: Coca Cola

### Distribution of beverage syrups

#### Background:

Coca-Cola was looking for a new, efficient packaging for distribution of beverage Syrups to McDonalds restaurants. The at the time used 20 liter cardboard solution was not accepted by McDonalds anymore – it was too labour intensive and created too much packaging waste

#### Requirement:

The new solution should be easy to handle, not include fibers, safe and hygienic

#### Solution:

Together Schoeller Allibert and Coca-Cola developed a 250 l foldable Bag-in-Box solution. Special attention was given to handling equipment, storage and distribution systems

#### Implementation:

After a successful test using prototype boxes and new design was finalized, tools ordered and finally new boxes produced.

#### Results:

As a result of the new solution McDonalds / Coca-Cola now save cost and generate less waste - only in Eu. > 1000 ton of cardboard is saved every year.



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## Meeting the demands of industry

### Loading

Safe unit and stacked load values depend on the model of container, type of load, temperature and duration. All Schoeller Allibert products have been designed to provide many years of continuous use in a wide range of demanding industrial applications. The FEA (finite element analysis) software developed by our designers means that we can manufacture products that are both lighter and stronger than ever before. In the event of any doubt concerning the strength or suitability for your application please consult Schoeller Allibert.

### Temperature

Schoeller Allibert products are designed for use in a wide range of temperatures. Polypropylene (PP) trays and containers are ideal for use between -10°C to +50°C with many models serviceable from -20°C to +60°C (depending on loading and use). High density polyethylene (HDPE) trays and containers are ideal for use between -30°C to +30°C with many models serviceable from as low as -40°C up to +40°C (depending on loading and use). If the containers or pallets are expected to perform under load at temperatures close to these parameters, then we recommend that you contact Schoeller Allibert to discuss your application.

### Washing

Polypropylene trays and containers can be put through tray washers in temperatures over +100°C for short periods. High density polyethylene (HDPE) trays and containers can be cleaned at temperatures up to +80°C. Schoeller Allibert products are compatible with most washing and soda based detergents currently in use.

### Chemical resistance

Schoeller Allibert products are resistant to most chemical agents found in industry. In the event of any doubt, please consult Schoeller Allibert.

### Quality and environment

All Schoeller Allibert sites are ISO 14001 and ISO 9001 certified. Please visit our Website for more information.

# DO YOU WANT TO KNOW MORE?

Please visit our website [www.schoellerallibert.com](http://www.schoellerallibert.com)

You will find there:

- All detailed product specifications and examples of applications by market
- Our returnable packaging 360° solutions for your own end use
- Our corporate, market and product brochures you can upload
- Schoeller Allibert Quality and environment policy worldwide
- Our services, renting and recycling solutions offer
- And much more ...

Please contact your local Schoeller Allibert Company for further information or to order our product brochures:





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