

# COMBOLIFE™ 270

RETURNABLE AND FOLDABLE IBCS  
FOR FLUID HANDLING

270 STANDARD

270BD BOTTOM DISCHARGE

1235 X 1135 X 1030 MM, 1063 L



The highly efficient ComboLife 270 bag-in-box system is the solution for handling fluids on intercontinental transports.

A compact, collapsible IBC designed to handle a wide variety of fluid products. It combines the benefits of a rigid return container system with the simplicity of disposable products.

Advantages over traditional single trip systems:

- **Substantially reduced cost per trip**
- **Limited use of packaging materials (only the liner bag is disposable)**
- **Hygiene – nor corrosion neither rot**
- **Safety – both fully protection of fluid and trackability**
- **Easy to fill, discharge and transport**
- **Space utilization – stackable and foldable**

Bottom line benefits

The high performance of this bag-in-box system translates directly into bottom line benefits. Not only saving money and time on transport, handling and storage also indirect savings are achieved: the system's excellent design guarantees its long lifetime and safe delivery of the filled product.

Do more with less

The connection between financial and environmentally friendly logistical solutions is getting stronger all the time. ComboLife 270 delivers a practical cost effective distribu-

tion system along with superior resource efficiency. The CL270 fits perfectly in sea containers and reefer vessels, minimizing freight costs. This all plastic container is ideal for cold transports and is resistant to moisture and sunshine exposure.

Giving the best of both worlds, these all plastic returnable systems are rapidly becoming the new industry standard.



The CL270 has a complete utilisation of available space in a sea container.

**Schoeller Arca Systems**

Creative solutions for better returns

## Practicality rules!

In designing this IBC, the operators' concerns have been top of mind. Simple handling is a basic principle, steering product development decisions and leading to the creation of this truly ergonomic, user-friendly system. The ComboLife 270 is made of plastics resistant to all climates. Easy to handle by only one operator. Moreover, it is easy to keep clean and simple to maintain compared to traditional systems.



**HANDLE**  
Integrated handles facilitates the raising and folding of the walls.



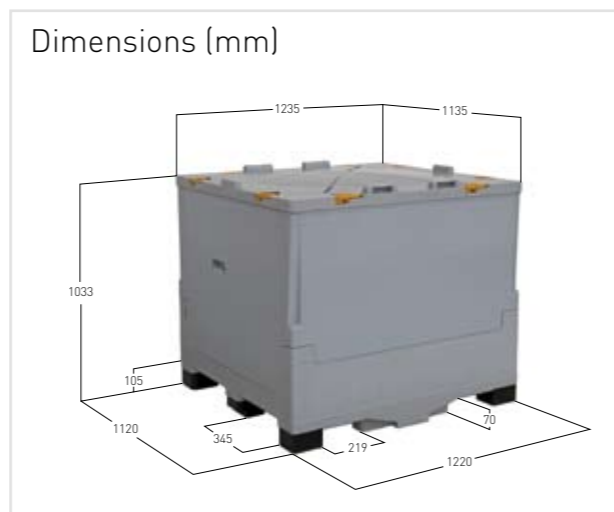
**SMOOTH CLEAN SURFACE WITH LABEL AREAS**  
Smooth surfaces and rounded corners ensure the highest standards of hygiene and safe handling. Special recessed areas are provided for label attachment to improve its visibility and protection.



**OVERLAPPING SURFACE**  
The walls and base overlap to protect the liner and to keep inside of the container clean.



**SMOOTH SURFACE**  
The inside walls have a smooth finish and design for maximum hygiene and ease of cleaning.



**LID LOCKING**  
The handle will be turned over a bolt to lock the lid. The locking system withstands extreme sloshing forces during transport



**TAMPER EVIDENT LOCKING DEVICE**  
The handle is sealed by snap-fit assembling.



**ANTI-SLIP FEET**  
The feet have an integrated rubber pad to prevent movements during transport



**LID DESIGN**  
The lid is designed to damp sloshing forces. It is also convex and has drainage grooves to prevent rainwater accumulation.



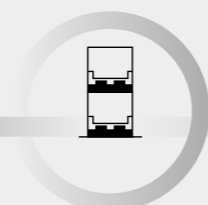
**Alternative model**  
The ComboLife 270BD version has a bottom discharge opening.



**SETTING UP**  
One person can easily prepare a ComboLife 270 for use. The walls are raised and locked in place by hand. The liner bag is then positioned inside the IBC.



**FILLING**  
ComboLife 270 is designed for ease of use and compatibility with existing filling systems.



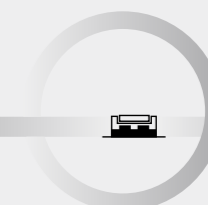
**STACKING AND STORING**  
These strong and stable IBCs can be stacked 5 high. They are weather proof and can be left outdoors for long periods.



**TRANSPORT AND DELIVERY**  
The containers' compact design maximises space and payload in all modes of transport. Their low weight compared to most other distribution units means lower transport costs.



**DISCHARGING**  
Discharging product from the flexible ComboLife 270 liner bag is easy as it expands when filled and contracts when emptied. The bag contains no air so there is no risk of oxidation or skinning.



**FOLDING AND RETURNING**  
Once the liner bag is removed, one operator can unlock the side walls and fold them down again. Since the collapsed volume of empty IBC's is reduced significantly, they require little space in storage and deliver substantial cost savings on return freight.



#### LINER BAG

A wide range of liner bags is available for CL 270. The liner is built up by a number of film layers and seam 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

Item No. 4458.350.900  
2" camlock M / 2" BSP  
Item No 4458.300.900  
2" camlock / 2" hosetail  
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

Item No. 4461.300.000  
Filling bridge 300BD 2" Sq  
Item No. 4461.302.000  
Filling bridge 300BD 3" Sq  
The filling gland on the liner bag is connected to a filling bridge for easy filling.



#### TAMPER EVIDENT SEAL CL 270

Item No. 4428.011.232  
TE Seal CL 270  
The tamper evident seal is used to secure the four locking handles on the lid.



#### TAMPER EVIDENT CAP CL 270

Item No. 4457.000.232  
TE cap CL 270  
The tamper evident cap protect the discharge area during transportation and storage.



#### EXTERNAL VALVE

Item No. 4458.100.502  
Flexi valve 2" camlock  
Item No. 4458.110.502  
Flexi valve S60 x 6  
Item No. 4458.200.502 Cutter.  
The external valve is made from food grade plastic.



#### DISCHARGE OF LINER BAG

To discharge a liner bag equipped with a gland, a membrane needs first to be cut. This is done with a cutter when an external valve is attached to the gland.



#### ELBOW SPOUT

Item No. 4458.500.102  
Elbow spout 45° S60 x 6

Item No. COMBOLIFE™ CL 270	4440.210.502
Item No. COMBOLIFE™ CL 270BD	4440.220.502
Outside dim. incl. lid (mm)	1235 x 1135 x 1063
Outside dim. excl. lid (mm)	1220 x 1120 x 1030
Folded height (mm)	480
Inside dim. (mm)	1140 x 1040 x 852
Height stacked (mm)	2 high: 2096, 3 high: 3129, 4 high: 4162, 5 high: 5195
Height folded (mm)	2 high: 930, 3 high: 1380, 4 high: 1830, 5 high: 2280, 6 high: 2730
Projected foot area (m <sup>2</sup> )	1,4
Container capacity (kg)	1500
Tare weight (kg)	93
Max load stack Dynamic	3186 kg (2 high)
Max load stack Static	7965 kg (5 high)
Volume	Internal: 1011 l, External: 1,49 m <sup>3</sup>
Approximate return ratio	2,2
Functional temp	-20°C to +40°C
Transportation (folded)	13,40 m Trailer: 110 units, 2 x 7 m: 120 units, 12,5 m Trailer: 110 units
Sea container (folded)	20 ft: 50 units, 40 ft: 94 units
Material	Polypropylene, Food contact approved, Fully recyclable



SCHOELLER ARCA SYSTEMS SERVICES B.V.  
P.O. Box 176, 7770 AD Hardenberg, The Netherlands  
Tel +31 523 28 89 00, Fax +31 523 28 85 66  
info.hardenberg@schoellerarca.com  
www.schoellerarcasystems.com

**Schoeller Arca Systems**

Creative solutions for better returns