



Fluid-Bag containers

## The ultimate protection for your valuable skin care products

Leaner process with our flexible 900 and 1000 litre containers: a closed system with single-use, high-barrier liners and unrivalled discharge results.

**FLUID-BAG**  
[www.fluid-bag.com](http://www.fluid-bag.com)



# Fluid-Bag

the GMP compliant flexible IBC for liquid and semi-solid cosmetic products



- ✓ A sealed and closed container from filling to discharge > no risk for particle, bacteria or moisture contamination.
- ✓ Single use inner container > no costs or efforts for cleaning

▲ **MULTI** designed for frequent and short distance transport. 1000 and 900 lt.

- ✓ **Unrivalled discharge results** (0,5 % residue)  
> no product losses due to insufficient discharge
- ✓ **Flexible container**  
> simplified handling and transport, reduced storage space







## Fluid-Bag is suitable for:

- ▶ **Internal logistics:** as a container for intermediate storage and for internal transports between production, store room and packaging department etc.
- ▶ **External logistics:** for transportation by road, rail and sea. A wooden pallet is also available for one-way long distance transports.
- ▶ **The containers** can be irradiated to hygiene level and are produced in ISO 22000 certified facilities.

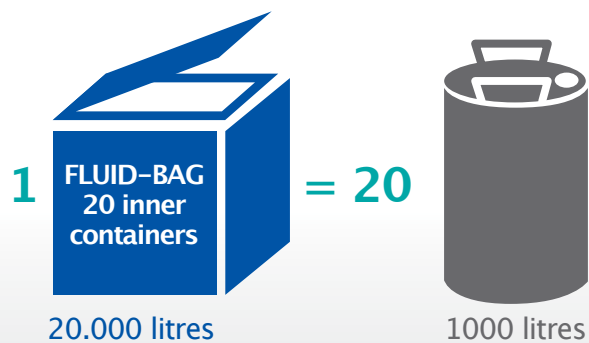


# Why Fluid-Bag

instead of the traditional way?

The list to the right shows the improvements that a "typical" Fluid-Bag System can bring on a yearly basis.

The figures are based on examples from our customers' experiences.



0 cleaning costs



90% reduction of return freights



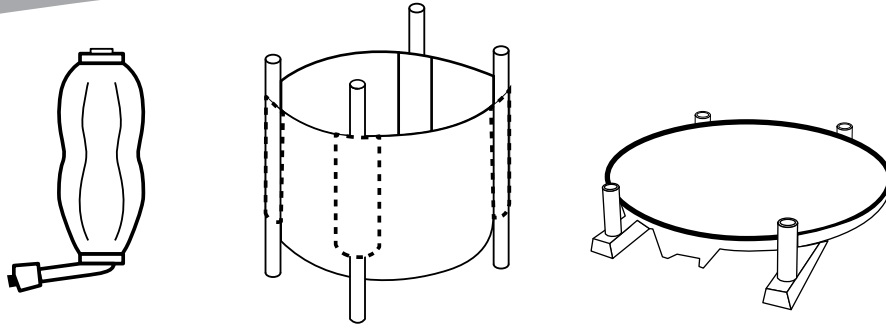
80% less residual waste



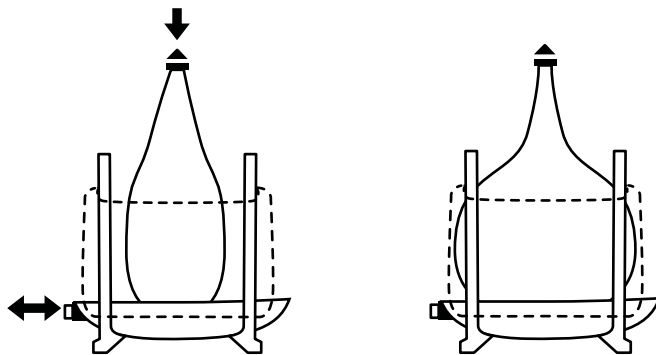
80% increase in payload of transported material (compared to 1000 l steel tanks in a 20 ft container)



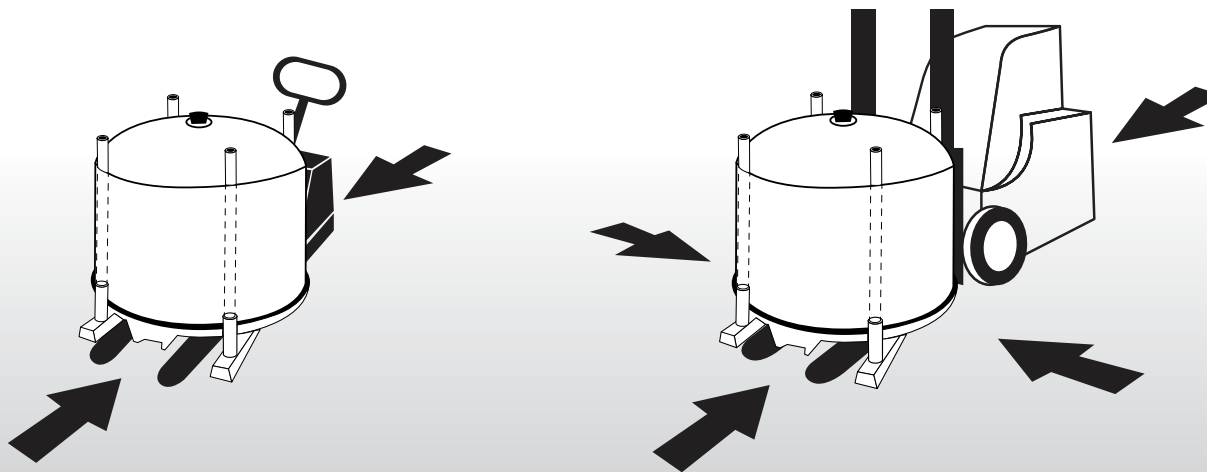
1



2



3



## Working steps with Fluid-Bag's

### MULTI distribution system

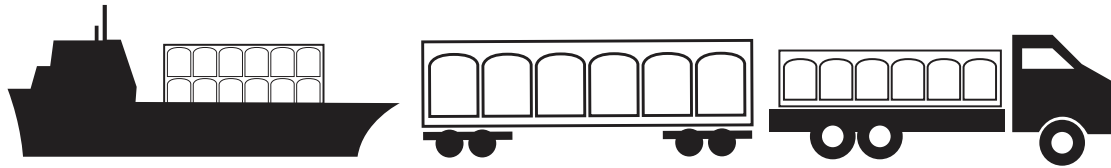
**1. Assembly** - easy assembly of inner container, transport bag and pallet.

**2. Filling** - fill the Fluid-Bag from top or bottom.

**3. Handling** - made easy; the Fluid-Bag can be fork lifted from all four sides and from two sides with hand trucks.



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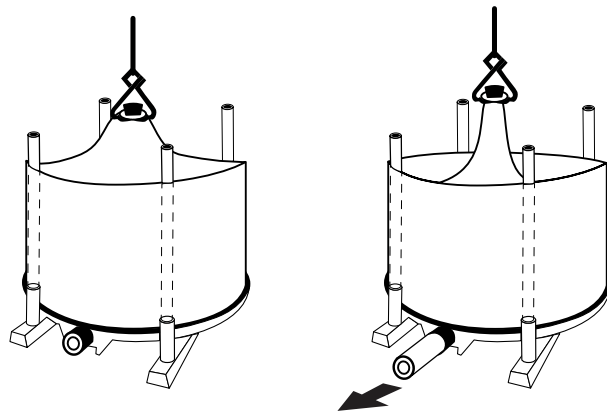


## Working steps with Fluid-Bag's MULTI distribution system

### MULTI distribution system

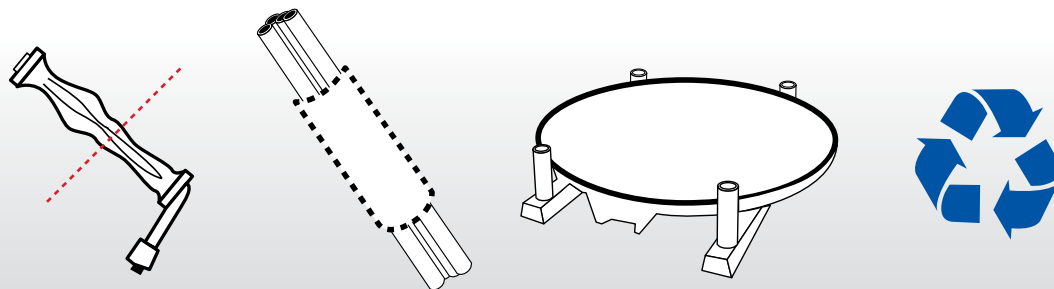
**4. Transportation** – by road, rail and sea, the 900 l version can be stacked two high in standard 20 ft containers. Also suitable for use in internal logistics.

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**5. Discharge** – connect to a pump and stretch the Fluid-Bag for optimum discharge results. For more viscous products a Discharge Roller can be used.

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**6. Recycle and reuse** – recyclable single-use inner container, reusable transport bag (25 times) and steel pallet (100 times).





# The right equipment for great results

The Filling Station ensures that the Fluid-Bag container is always consistently filled to the optimum.

- The pneumatically operated Filling Station stretches the empty inner container to its maximum length in preparation for filling.
- As the container fills, the lifting bridge is drawn down due to the weight of the filled liquid, ensuring that the inner container is filled symmetrically and to the maximum.
- The Filling Station can be positioned on a weigh scale for accurate filling to a pre-set weight or volume.



# The right equipment for great results

The automatic Discharge Roller is designed for rapid and efficient discharge of high-viscosity liquids.

- The Discharge Roller is equipped with advanced automation, which minimizes the need for supervision.
- The Discharge Roller is designed for incorporation into new and existing production and packaging processes.
- It cleans the inside of the container foil, which combined with the vacuum created by a pump empties the container.





# Fluid-Bag Ltd.

a Finnish company

which since the 80's has provided 900 and 1000 litre flexible container systems, perfectly suited for sensitive and high-viscous liquids, pastes and semi-solids.

Fluid-Bag's containers are successfully used by major international players such as Bayer Healthcare and Clarins. They can be used to transport products such as ointments, lotions and other types of water-based liquid and semi-solid products.

WE LOOK FORWARD TO MEETING YOU!



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