

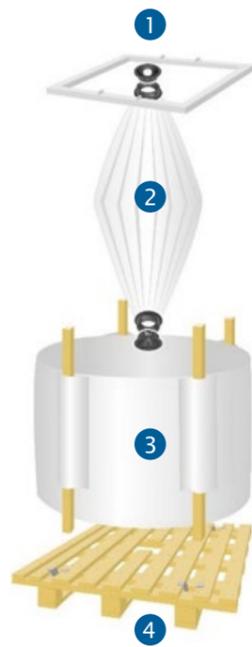


Tidy and efficient
offset ink handling





FLEXI container, components



1. Stacking frame
2. Inner container 1000 or 900 l
3. Transport bag
4. Pallet

Order in the ink room

The clean and easy discharging process contributes to a clean ink room.

Container system for printing ink

Fluid-Bag is a flexible IBC (1000 or 900 litres) for liquid products, as well as very high viscous, almost solid products.

A strong, clean and tested container

The Fluid-Bag FLEXI unit consists of four main items, of which the inner bag contains the ink. The inner bag is a single trip item and therefore always clean. All inner bags are individually pressure and quality tested.

Fluid-Bag is an alternative to returnable packaging systems such as steel totes. Being single-use, Fluid-Bag eliminates costs and challenges from maintenance, washing, inspection and certification of returnable containers, so you don't need to worry about having containers on hand for the next shipment.

The flexible Fluid-Bag FLEXI can take a hit from a forklift, being dropped from 60 cm height and is approved for intercontinental transportation. [Click below to watch video.](#)



Save on return freight and environmental impact

The Fluid-Bags are very durable and are frequently used for long distance deliveries. The Fluid-Bags can be double stacked, for example in a 20ft container. There is no need for return transportation, so you eliminate the environmental impact of moving empty containers. Fluid-Bags also reduces unnecessary transport of half empty totes across the country.

Use all the ink you buy

The flexible and durable inner bag can be squeezed and stretched to remove all the ink inside (residue as low as 0.5 %). All the ink that is delivered can be used in the printing process, which is a big advantage in terms of environment and cost efficiency.

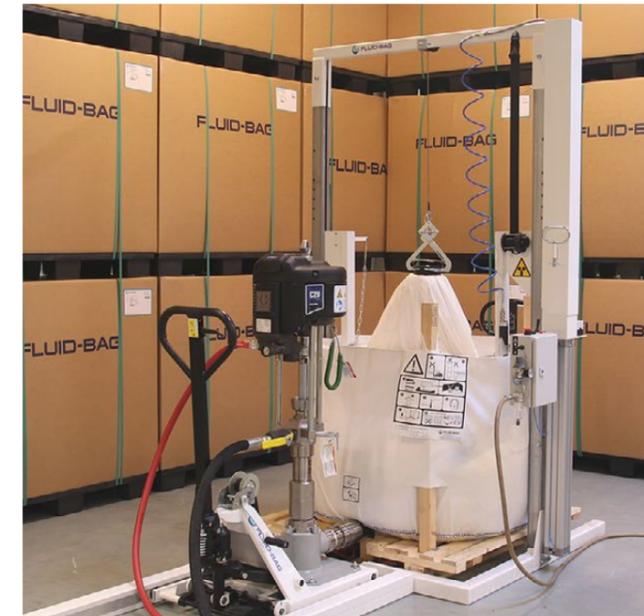
[Click below to watch a video](#) of the discharge process.

How to use a FLUID-BAG

The bag filled with ink can be emptied in two ways: 1) by gravity down into a mother tank, or 2) by pumping the ink to the tank or to the press directly. In both cases a Discharge Roller is used to minimize the residue after discharge.

Option 1: Pumping ink from the Fluid-Bag to an intermediate tank or to the press

When pumping the ink, the bag needs to have a 3" side



outlet pipe. In this case, the Discharge Roller stands on the floor. Normal pumps for offset ink can be used, piston pumps and diaphragm pumps being the most common. An adaptor is needed for an airtight connection to the pump (delivered with the Discharge Roller). Pump brand and model must be known to determine which adaptor to use.

The Discharge Roller does not create any pressure to force the ink out, it is the pump that pulls it out by suction.



Option 2a: Fluid-Bag mother tank set-up on rail system

In this case, the Discharge Roller and the Fluid-Bags are placed on top of the mother tanks. The Fluid-Bags will be discharged by gravity, and the purpose of the Discharge Roller is to minimize the residue and to speed up the end of the discharge process by pushing out the last ink faster than gravity would.

The Fluid-Bag rail system enables the user to utilize one or more Discharge Rollers for several tanks. The rail system

is a construction on top of the tanks on which the bags are placed. The construction leaves enough space below the bag for the operator to access the bottom outlet to be opened. The Discharge Roller moves on rails on top and can easily be moved by hand to the colour being refilled. This is a flexible set up saving in investment as only one piece of discharge equipment is used for all four colours. Other types of packaging and totes can also be placed on the rail for discharge.





Option 2b: Fluid-Bag with mother tank set-up without rail system

If a rail system is not used, one stationary Discharge Roller is mounted for each tank. This enables the user to discharge more than one Fluid-Bag at a time. On the other hand, it excludes the possibility to use other types of packaging. The Discharge Rollers and Fluid-Bags must be high enough above the mother tank to allow the bottom outlet to be opened, so also in this case a construction on top of the tanks is needed for the equipment and bag, and platforms for the operators to stand on while operating the devices.



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