

# Lift-o-Mat

Provides order in tight spaces



## Flexible modular system

A Lift-o-Mat system is the best solution for tight spaces. In old towns where the emptying vehicles have no opportunities to drive in, are our hydraulic systems the only opportunity to provide cleanliness.



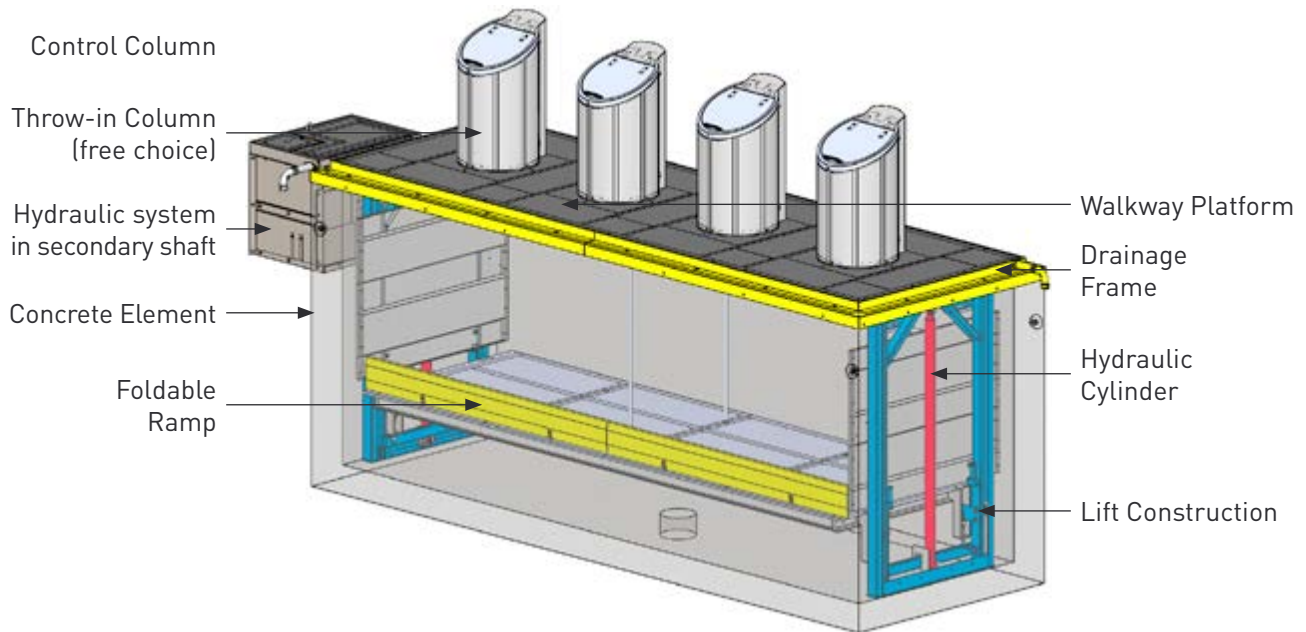
The existing infrastructure is gently lowered from the surface into the underground. Conventional collection containers are placed on a hydraulically driven auto hoist and can be emptied with a conventional emptying vehicle.



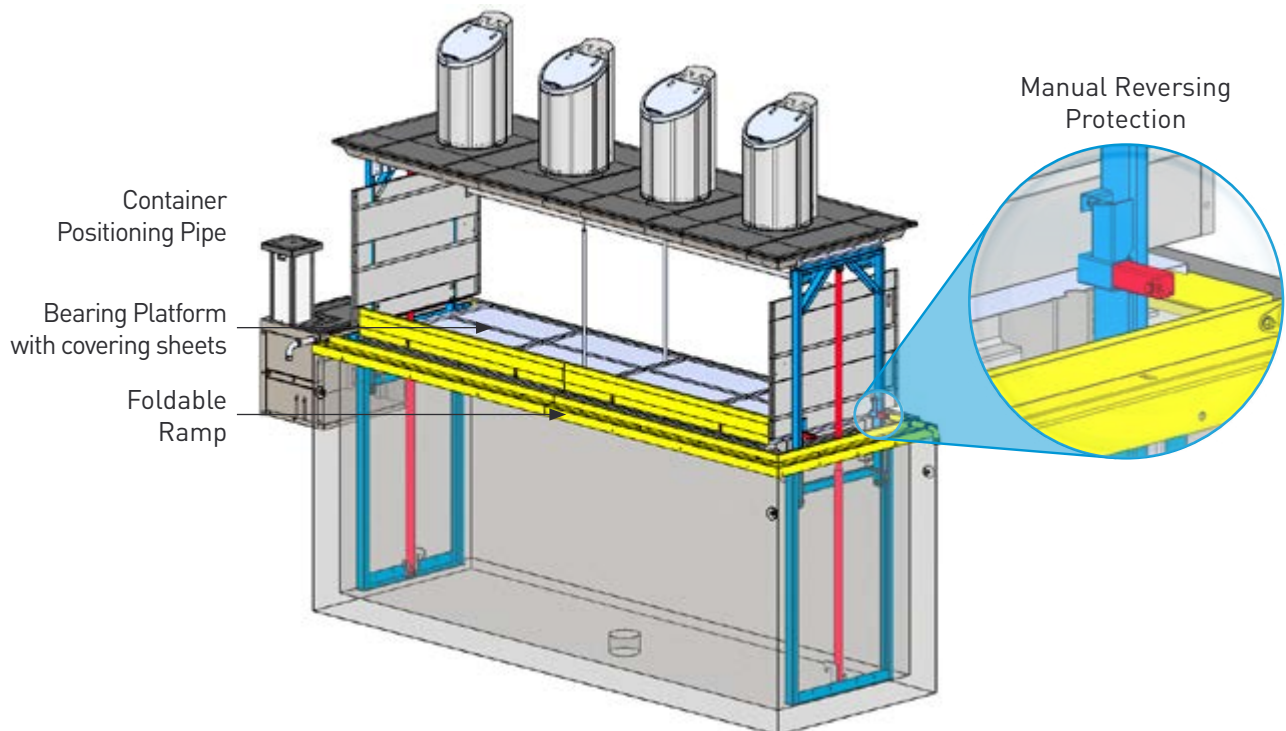
# The four components of a Lift-o-Mat system

- 1. Concrete Element      Prefabricated and waterproof concrete element
- 2. Lift                      Lift construction with an upper walkway and lower bearing platform
- 3. Throw-in column      The throw-in column is centrally assembled on the platform and above the bin
- 4. Power Unit              Electro-hydraulic power system placed in the secondary shaft next to the Lift-o-Mat

## Lift Position in the underground

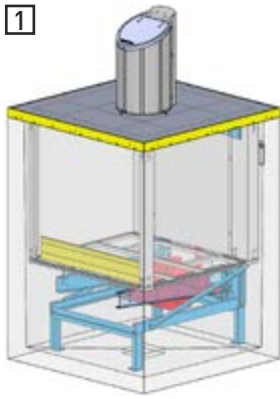


## Extended Lift Position

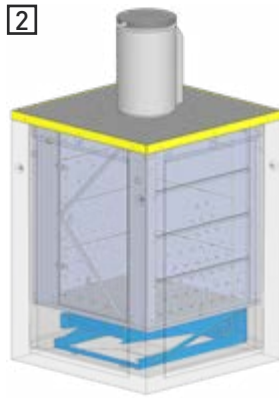


# Products

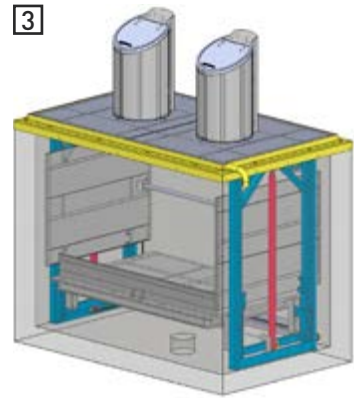
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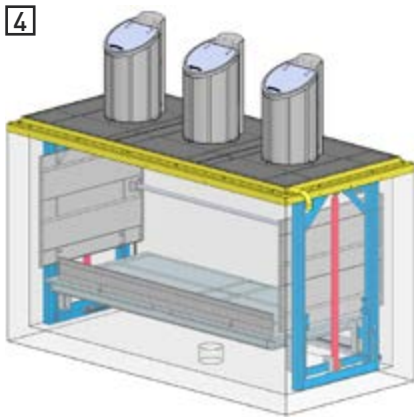
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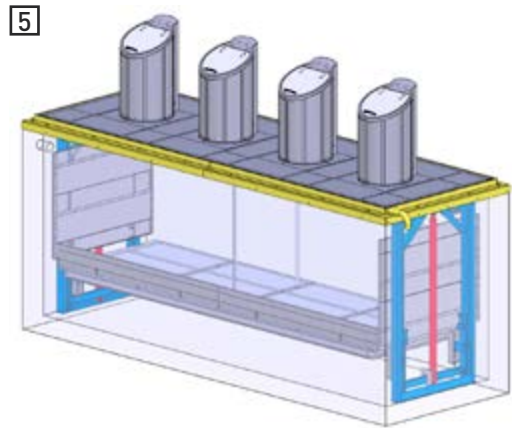
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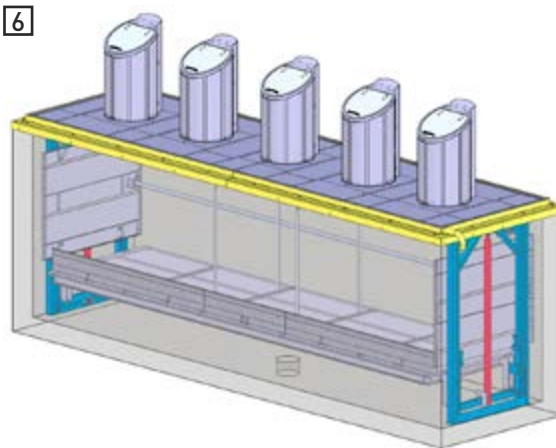
4



5



6



**1** LU 200  
Collection Container 1 Container à 1100 liters (max.)  
Throw-in Column 1 pce. (free choice)

**2** LU 200  
Collection Container 1 box à 5000 liters (max.)  
Throw-in Column 1 pce. (free choice)

**3** LU 300  
Collection Container 2 Container à 1100 liters (max.)  
Throw-in Column 2 pce. (free choice)

**4** LU 400  
Collection Container 3 Container à 1100 liters(max.)  
Throw-in Column 3 pce. (free choice)

**5** LU 500  
Collection Container 4 Container à 1100 liters (max.)  
Throw-in Column 4 pce. (free choice)

**6** LU 600  
Collection Container 5 Container à 1100 liters (max.)  
Throw-in Column 5 pce. (free choice)

## Operation and Hydraulic

To lift the lift system out of the concrete element, it will be controlled, depends on the product through a control bulb or an operation panel.

### LU 200

The hydraulic aggregate is located directly in the concrete element. If the the throw-in column includes a power supply, the control bulb is placed in the back of the throw-in column.

If the lift is operating through an external hydraulic system, for example through the system of the garbage truck, the hydraulic connection is also placed in the back of the throw-in column.

### LU 300 LU 400 LU 500 LU 600

The hydraulic aggregate of the series LU 300-600 are placed in a separate secondary shaft beside the lift system. The aggregate and the lift system are connected on the lift cylinders through hydraulic pipes

To operate the lift system is a control bulb which is lowered in the secondary shaft or a fixed control column (with keylock) available.



Electric operation with control bulb



Retractable control column with control bulb

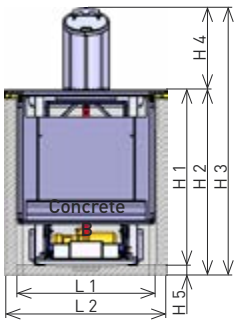


Fix control column with keylock

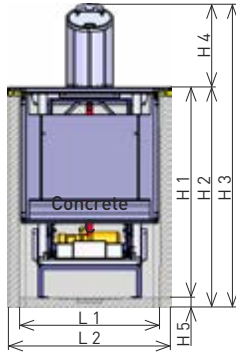
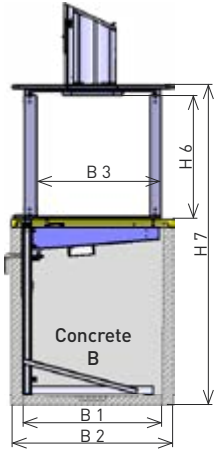
# Reference numbers and planning datas

## LU 200

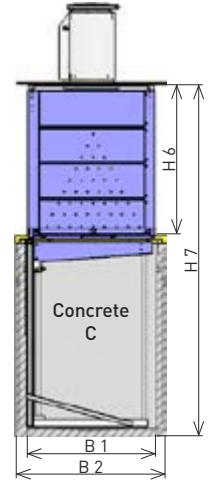
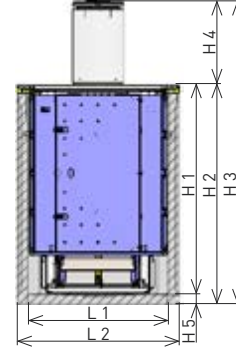
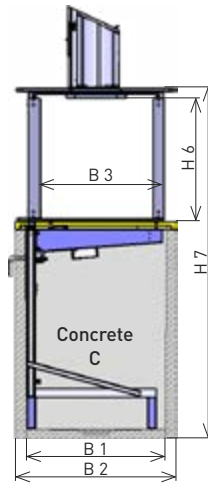
LU 200 B



LU 200 C

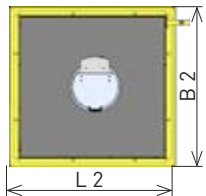


LU 200 XL



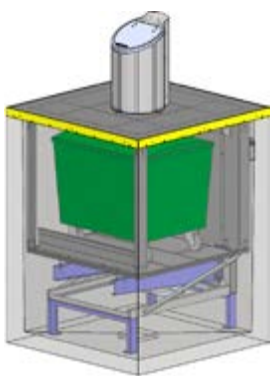
Meas. (mm)	L1	L2	H1	H2	H3	H4	H5	H6	H7	B1	B2	B3
LU 200 B	1685	1950	2130	2250	3245	995	120	1577	3827	1684	1950	1450
LU 200 C	1685	1950	2518	2638	3633	995	120	1577	4215	1684	1950	1450
LU 200 XL	1685	1950	2518	2638	3649	1011	119	1973	4491	1685	1950	x

LU 200

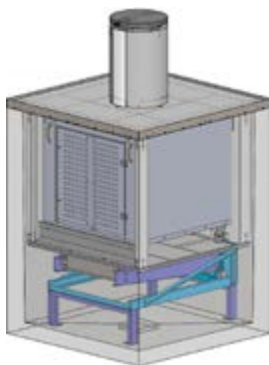


The well priced LU 200 system, compared to the larger models LU 300 – 600, includes a smaller hydraulic system as well as a directly integrated hydraulic aggregate. Therefore the LU 200 does not need an additional secondary shaft.

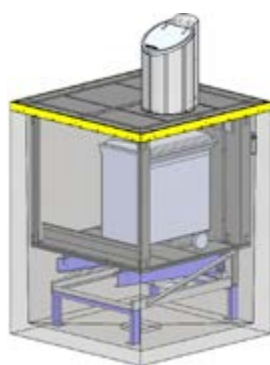
Various options:



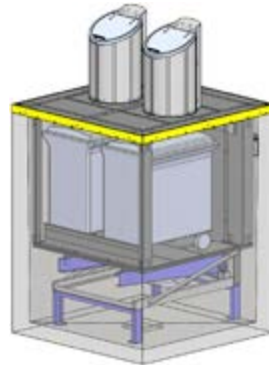
Container 1100 l



Textile container



1x container 660 l

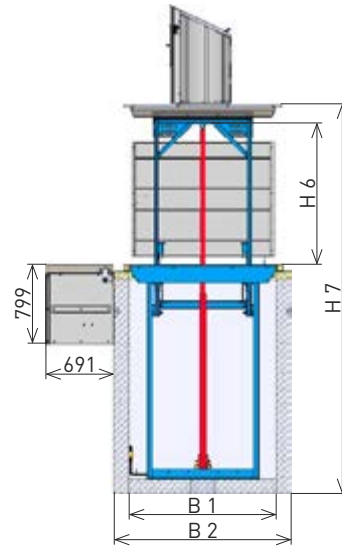
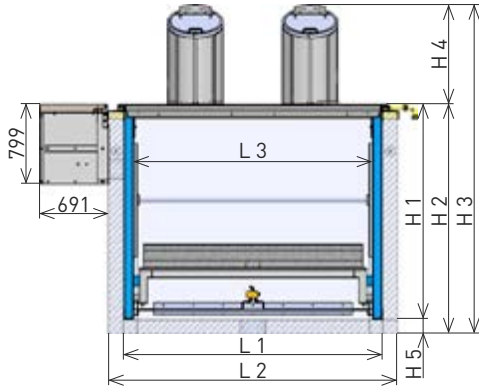


2x containers 660 l



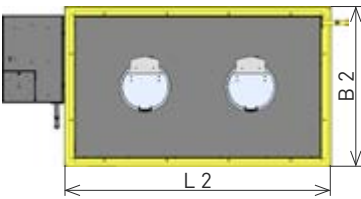
1x box 5500 l textile

# LU 300 - 600

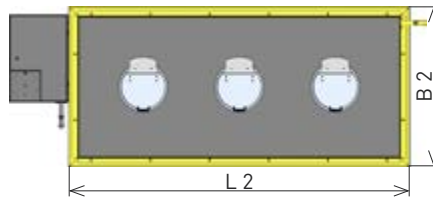


Meas. (mm)	L1	L2	L3	H1	H2	H3	H4	H5	H6	H7	B1	B2
LU 300	2600	2900	2330	2159	2309	3304	995	150	1489	3798	1500	1800
LU 400	3600	3900	3330	2159	2309	3304	995	150	1489	3798	1500	1800
LU 500	5000	5300	4730	2159	2309	3304	995	150	1489	3798	1500	1800
LU 600	6050	6350	5770	2159	2309	3304	995	150	1489	3798	1500	1800

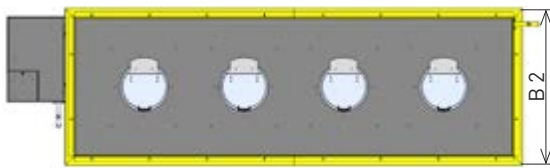
LU 300



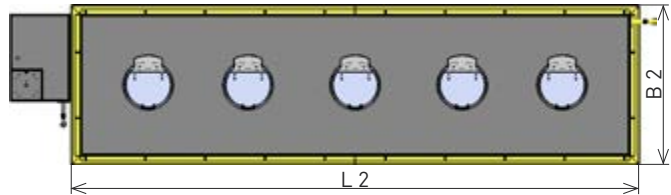
LU 400



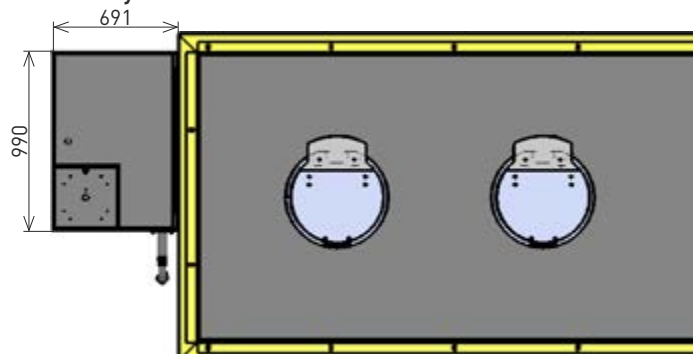
LU 500



LU 600

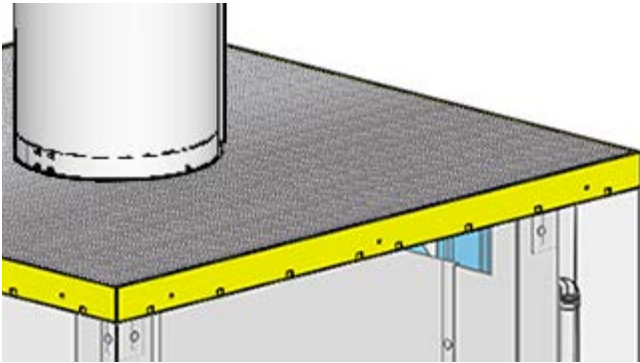


Secondary shaft

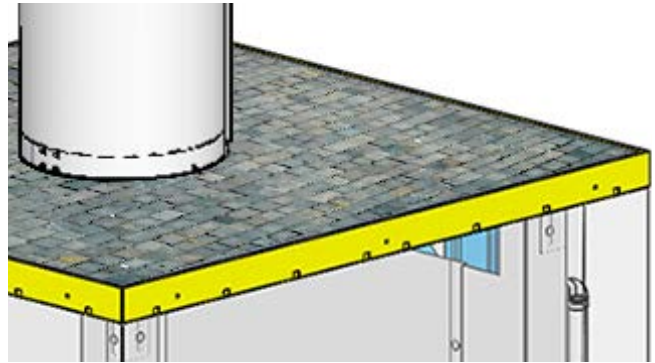


# Walkway Platform & Drainage of Final Frame

Metal Cover



Cover Tub



Aluminium Bulb Sheet



Hard Coating



Cobblestone



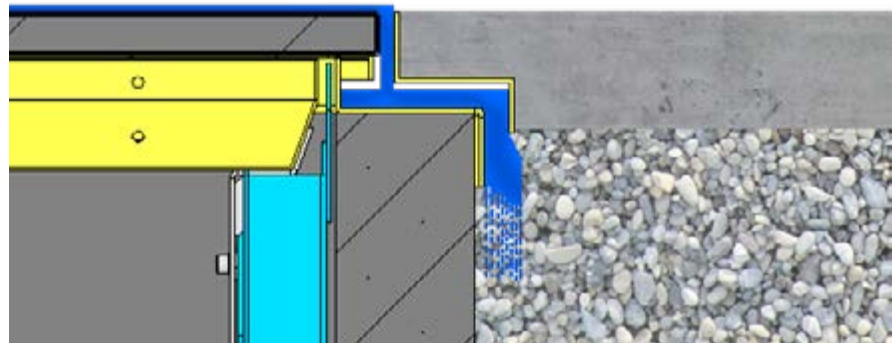
Mastic Asphalt

To prevent rain from the platform, the system includes a drainage frame. Therein, the effluent water is collected and the water can run off into the ground through a percolation dewatering or a meteor connection.

## Percolation dewatering

The water is running off directly from the frame into the gravel, which surrounds the concrete element and seepage from there into the ground water.

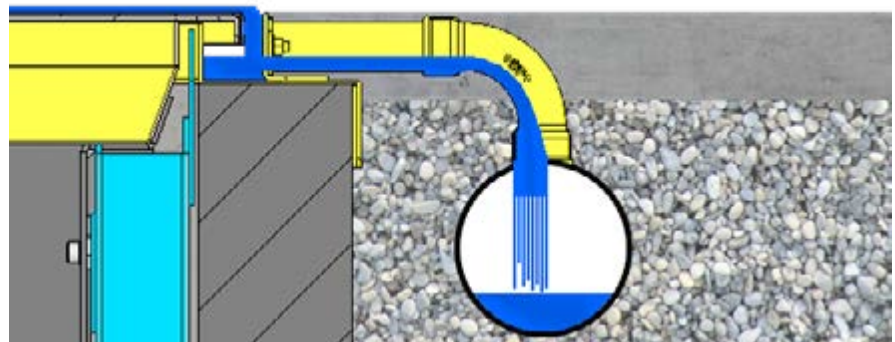
Seep drainage



## Meteor Connection

If possible, the frame can be connected directly to a meteor connection. Thus, the water runs off through the meteor connection back to the ground water. In addition, leaves, dirt etc. can be flushed in a simple manner.

Sewer connection





Many times is the collection point is placed in a pedestrian zone where an emptying vehicle does not have any opportunity to drive into those areas.

Our Lift-o-Mat Lift Systems which is designed for standard container offers many advantages.



We are also able to install the Lift-o-Mat system in a slanted position and it fits perfectly in the surrounding.







## One System, Various Possibilities

### Collection Point for Used Oil

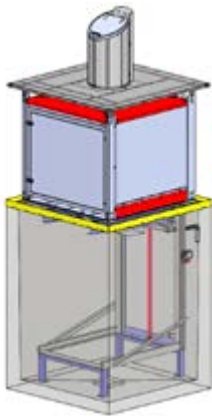
With a separate funnel for engine and edible oil, both can be collected separately.

Collection Point for used oil with two barrels à 159 l

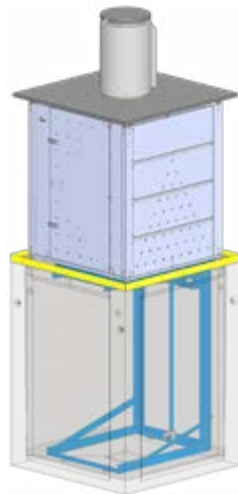


### Collection Point for Used Clothes

Lift-o-Mat LU 200 with for used clothes



LU 200 XL:



Point for used clothes with a Villiger container system

## References







# villiger

The future of waste disposal systems

Villiger North America Distributors:

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