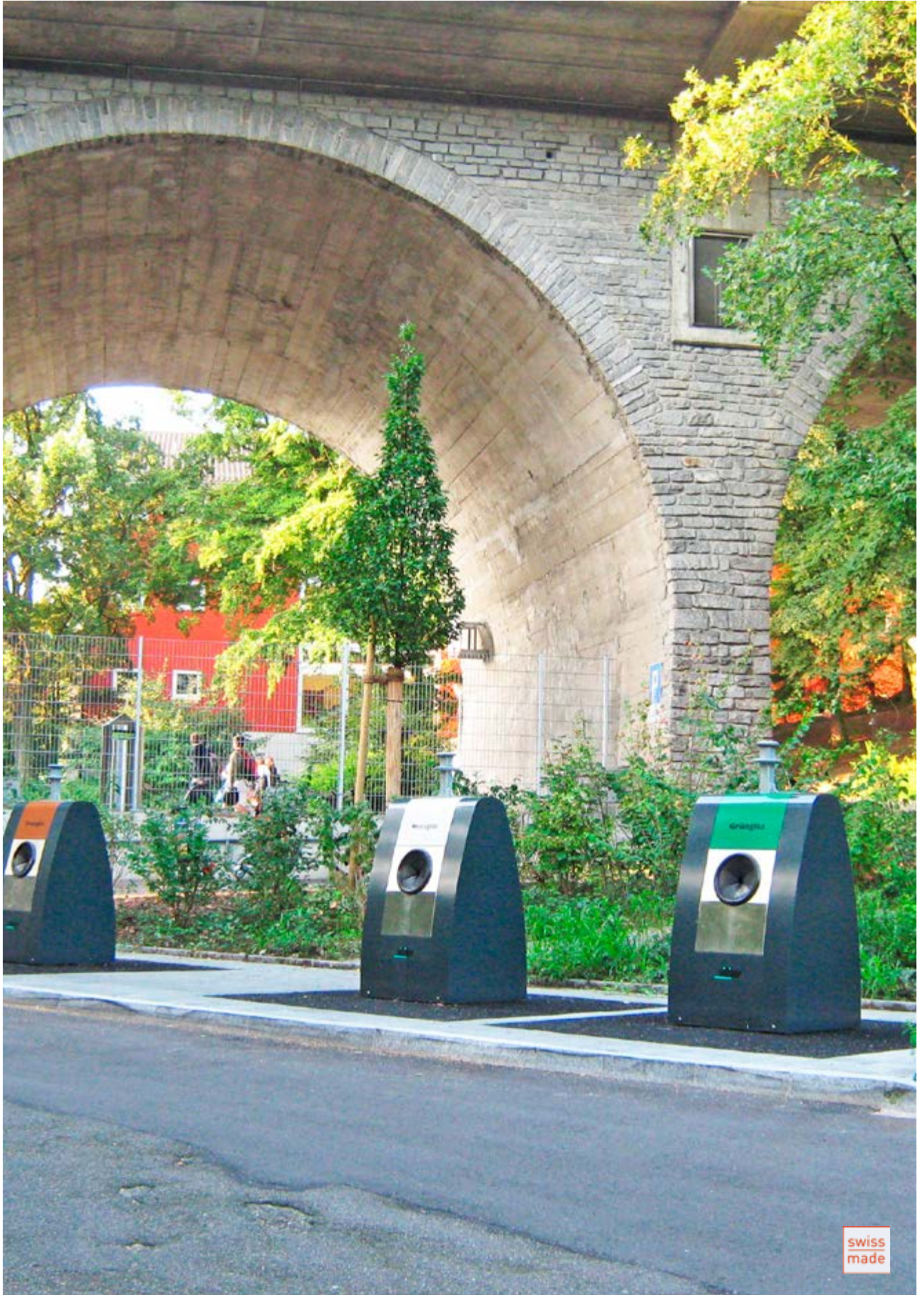


# Sub-Vil

The elegant underground system



# Flexible Modular System

Sub-Vil underground system consists of four components:



01



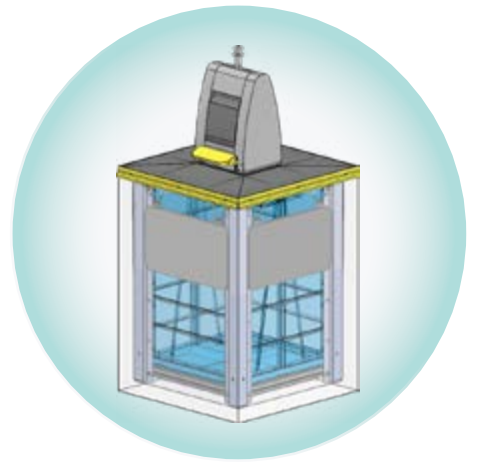
02



03



04



## 01 Concrete Element with final frame

Available in different sizes and executions

## 02 Safety Platform Securomat

Automatically pit protection during the emptying process

## 03 Container with platform

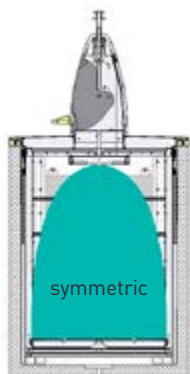
Available in different volumes and platform executions

## 04 Throw-in Column

Execution can be freely selected from our large range of models

## Symmetric & asymmetrical throw-in position on the walkway platform

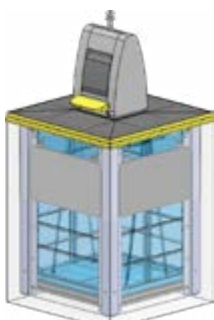
Depending on which throw-in column you choose, the column will be mounted symmetrically or asymmetrically on the walkway platform. It may be has the symmetrical assembled throw-in column (Lugano) the advantage that the filling of the container is evenly and the container volume can be better exploited.



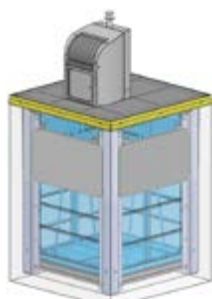
symmetric



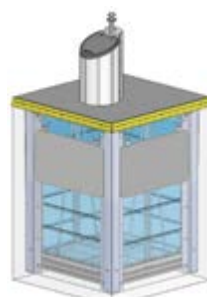
asymmetric



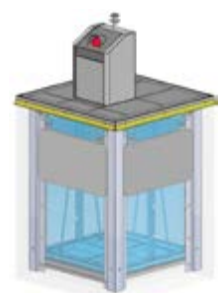
Lugano



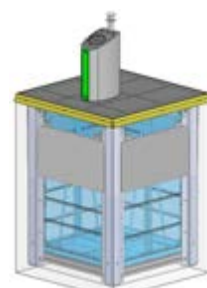
Marino



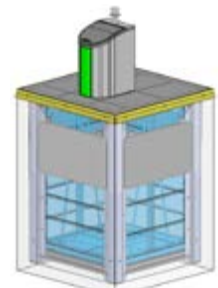
Baléro



Bellagio



Terrano



Vilaro

# Specification Concrete Element & Container

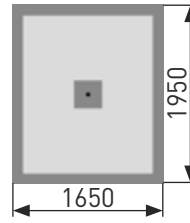
The concrete elements of Sub-Vil underground systems are divided into two groups. Both groups are produced in two different forms.

**Measurements** Length: 1950 mm  
Width: 1650 mm

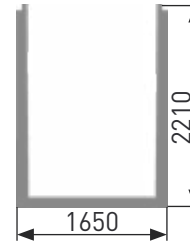
**CU 150 B** Height: 2210 mm  
Volume: 3.3 m<sup>3</sup>

**CU 150 C** Height: 2600 mm  
Volume: 4.1 m<sup>3</sup>

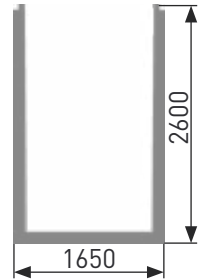
Plan View CU 150



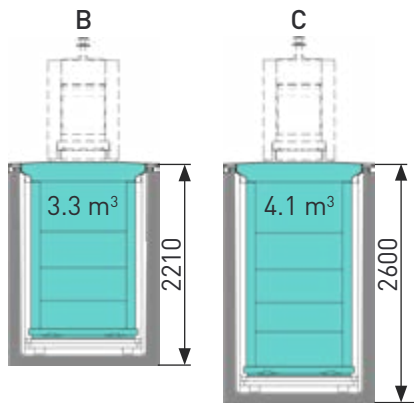
CU 150 B



CU 150 C

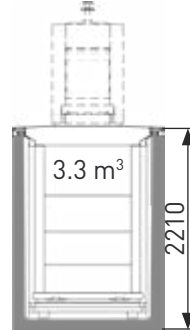


Container

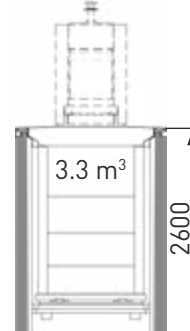


Arrangement Example

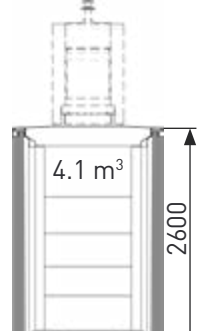
CU 150 B-B



CU 150 C-B



CU 150 C-C



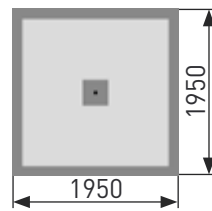
**Measurements** Length: 1950 mm  
Width: 1950 mm

**CU 200 A** Height: 1745 mm  
Volume: 3 m<sup>3</sup>

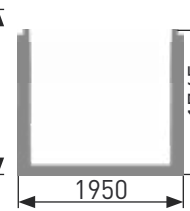
**CU 200 B** Height: 2210 mm  
Volume: 4 m<sup>3</sup>

**CU 200 C** Height: 2600 mm  
Volume: 5 m<sup>3</sup>

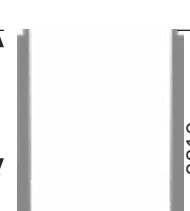
Plan View CU 200



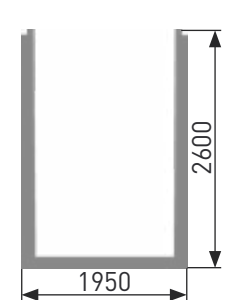
CU 200 A



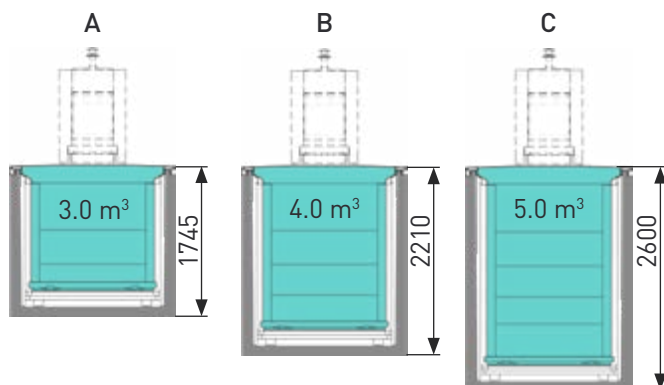
CU 200 B



CU 200 C

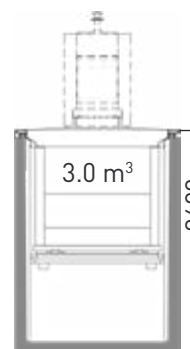


Container

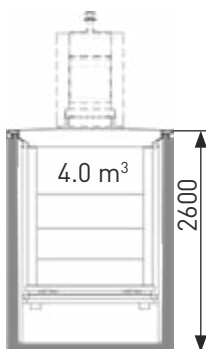


Arrangement Example

CU 200 C-A



CU 200 C-B



## Lugano in Norway

In the Norwegian market, the **Lugano** throw-in column enjoys a high level of acceptance. Thanks to its versatile and sturdy construction, it withstands even the most severe weather conditions easily, and with its simple design can be integrated perfectly into any environment. Already more than 2000 installed systems speak for themselves. Of those systems with **Lugano** underground containers, 80% have an electronic access system as well as a level measurement system that can be operated with solar panels independently of the electricity grid.



Sub-Vil waste disposal system with Lugano 115 throw-in columns



Sub-Vil waste disposal system with Lugano 120 throw-in columns

## Baléro

With an aesthetic design, the underground collection points conquer historical places, inner cities and residential complexes. Architects and landscape planners are delighted to integrate these aesthetically functional waste disposal systems into their planning. The bring-and-dispose concept provides time-gaining benefits for citizens by enabling pleasant waste disposal at any time.



Sub-Vil waste disposal system with **Baléro** throw-in column



Sub-Vil waste disposal system with Baléro throw-in column



Sub-Vil waste disposal system with Baléro throw-in column

## Caslano

The **Caslano** column offers multiple application possibilities for a variety of electronic systems. It can be fitted with the complete **Vident** system (incl. solar panel) and is suitable for **Lift-o-Mat** and **Swing-o-Mat**. In addition, the column has a large throw-in opening with a stainless chrome steel lid.

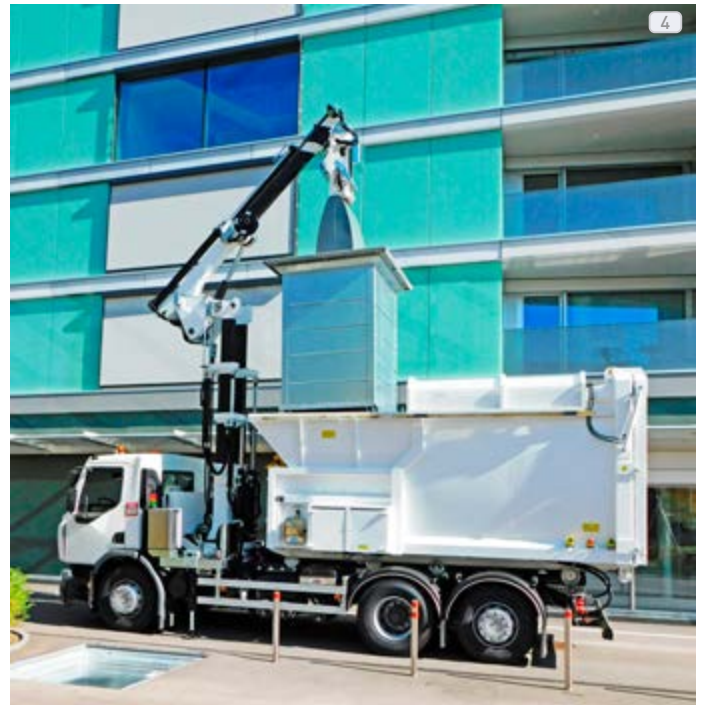


Swing-o-Mat waste disposal system with Caslano throw-in column



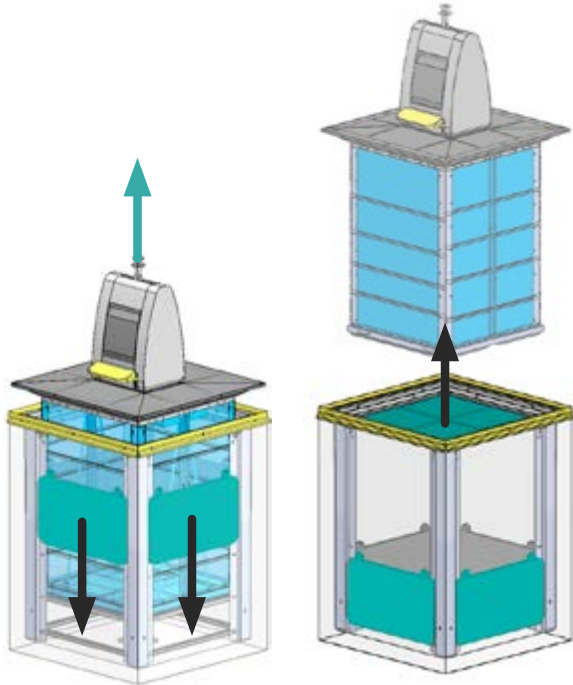


# Underground system Sub-Vil



# Securomat

As soon as the container is removed from the concrete element, there is a gap with a depth of up to 2.60 m. To minimize the risk of an accident during emptying of the container, we have developed the safety platform Securomat.



For service and maintenance work on the pit, the cover plate of the securomat can be disassembled.



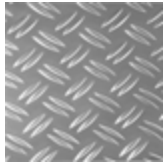
The safety platform securomat closes the concrete pit during the emptying process of the container.

## Walkway Platform

### Cover Plates



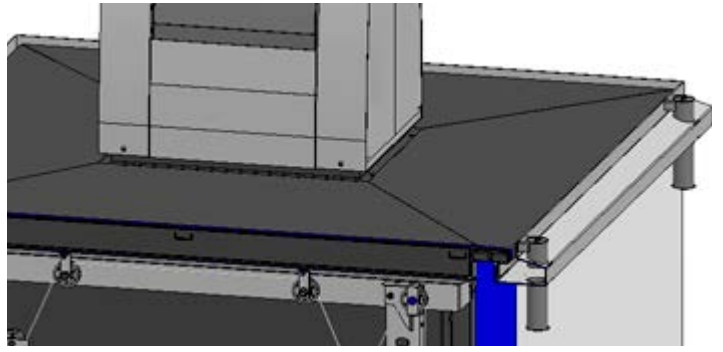
Aluminium  
tear-plate



Galvanized steel  
tear-plate



Hard covering  
sand coated



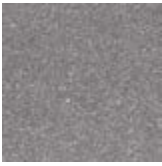
### Covering tub



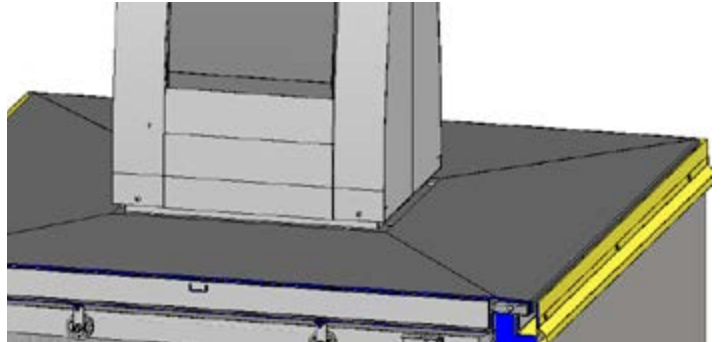
Rubber  
granulates black



Cobblestones



Mastic Asphalt

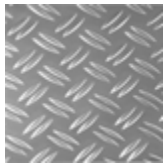


## Village Walkway Platform

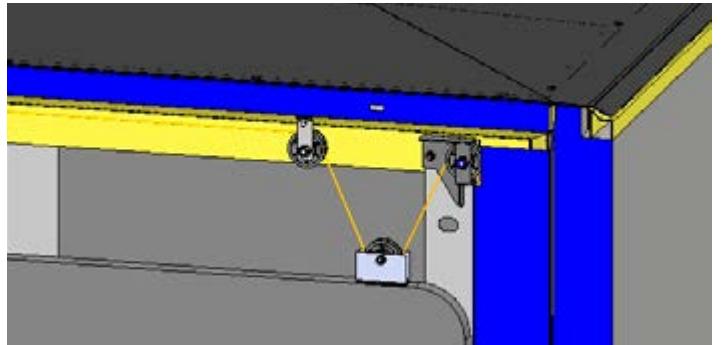
### Cover Plates



Aluminium  
tear-plate



Galvanized steel  
tear-plate



Villiger North America Distributors:

**WasteTech.US**

1838 Second Avenue, New York, NY 10128  
www.WasteTech.US



**villiger**

The future of waste disposal systems

Villiger Entsorgungssysteme AG

Bahnhofstrasse 13

CH-5647 Oberrüti

Tel.: +41 41 784 23 23

Fax: +41 41 784 23 33

info@villiger.com

www.villiger.com