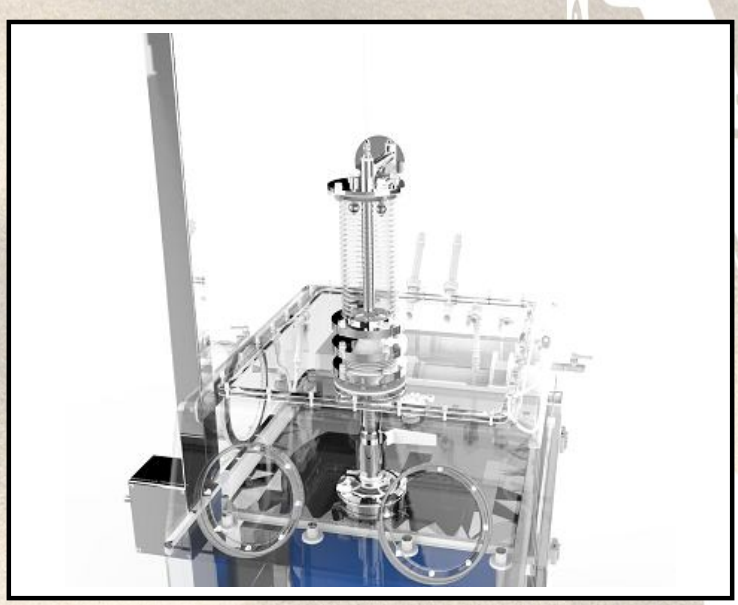
NUOVA GUSEO

DRUM EMPTYING SYSTEM



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DRUM EMPTYING SYSTEM FOR LIQUID

The **DRUM EMPTYING SYSTEM (DES)** has been specifically developed for toxic liquids and is also recommended for the handling of liquids with strong odors, which have to contained and removed by an extraction system

The proposed system consists of containment cabin divided into two parts: a lower and an upper one.

In the lower part is inserted the drum; a **roller plate** facilitates the introduction. The platform is liftable It is also provided with spray balls, manually operated, for cleaning operation.

At the upper part takes place the connection of the drum to the suction lance and is equipped with:

- **Nozzle with expansion plug** for access to the cap of the drum;
- **Accessories** for providing the opening of the shaft and connect with extendable part;
- **Nozzles** for nitrogen inlet and outlet;
- **Sigh window** in safety glass;
- **N. 1 pair of gloves in FPM**;
- **N. 2 washing guns** for cleaning and for drying;

External column with counterweights in order to facilitate the operations of introduction and extraction of the suction lance.

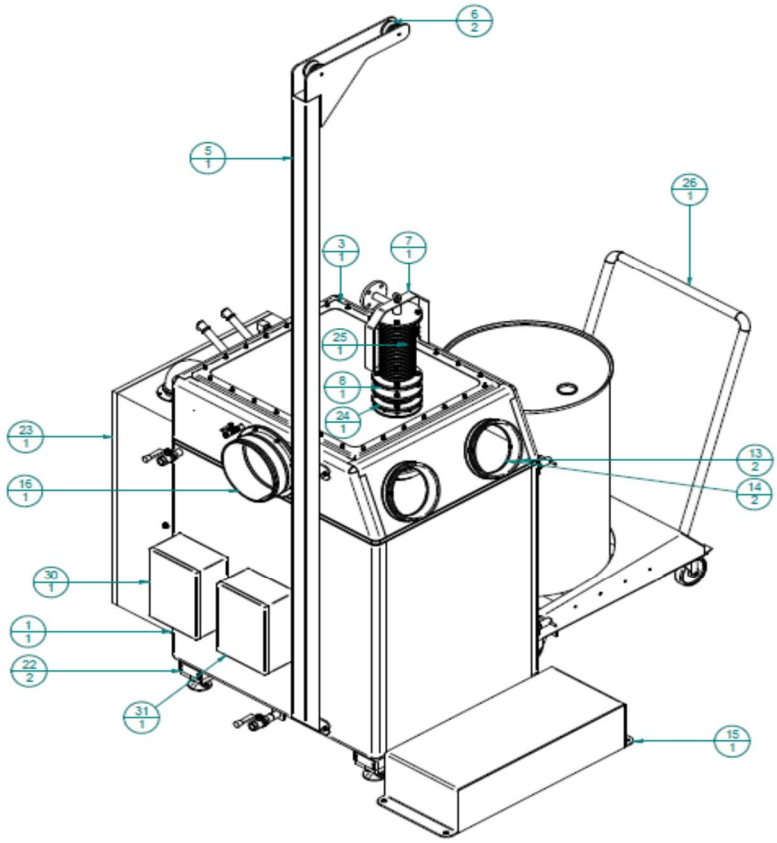
A stainless Steel housing containing process actuated valves such as:
- Nitrogen interception
- Washing media interception

Extraction fan and pressure gauge in order to manage the negative pressure inside the isolator

The cabin is mounted on **load cells** which transmit the weighing signal to a control unit where you can set the amount of material to be aspirated.

Available for installation in ATEX rated area

Diagram of the system



LEGENDA

1-1	Isolator body
3-1	Glass window supporting frame
5-1	Suction lance supporting column
6-2	Pulley
7-1	Suction lance
8-1	Valve housing
9-1	Supporting cone
13/14-2	Glove ports inner and outer side
15-1	Operator access platform
16-1	Outlet support for continuous liner
22-2	Weighing system
23-1	Electro-pneumatic panel
24-25-1	Suction lance bellow
26-1	Drum trolley
30/3-1	Junction box

Rendering of the drum emptying device with trolley