

S.P.M. s.r.l.

Epicurean System



Special Plastic Module for
semiconductor industry



- ▣ SPM, acronym of Special Plastic Module for semiconductor industry, is an Italian company engaged to provide help to semiconductor and solar cell industries, universities, medical , chemical and research labs
- ▣ Combining expertise and latest technology with extreme cleanness, SPM obtain some of the most highly qualified equipment performances.
- ▣ SPM has 31 YEARS of experience in this sector and is every day up to date spending much time founding new technology and innovative solutions to perform better things at lower possible costs.
- ▣ The company spirit is to build machines perceiving real needing, to completely satisfy our customers.



Box type

The first born: boxes are easy installable inside standard refrigerators. Dimensions and materials are fully customizable.



Automatic doors

Boxes are realized in SS316L and are installed inside standard refrigerators. Dedicated electrical motors open and close automatically box doors.



Sliding drawers

Integration of sliding drawers inside industrial SS304 refrigerator.



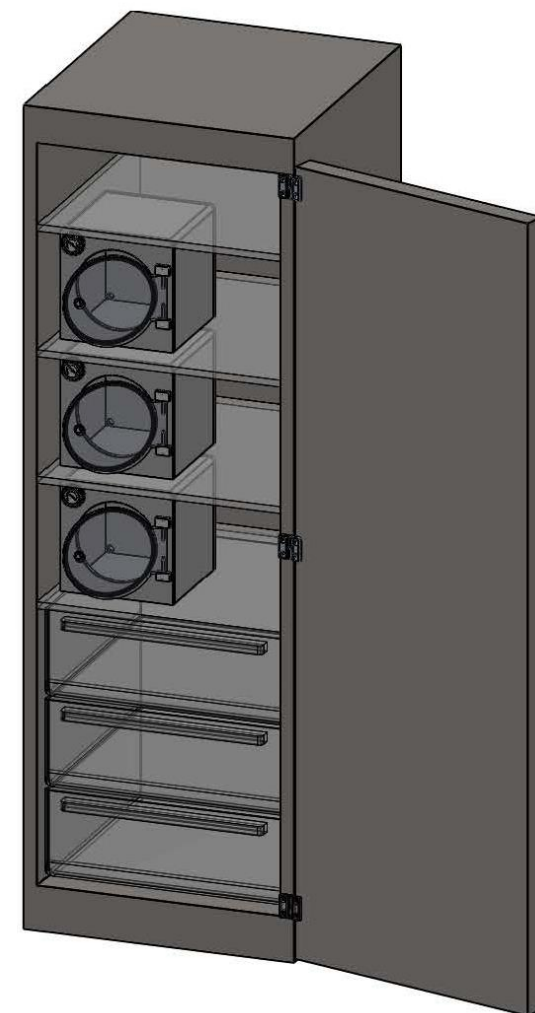
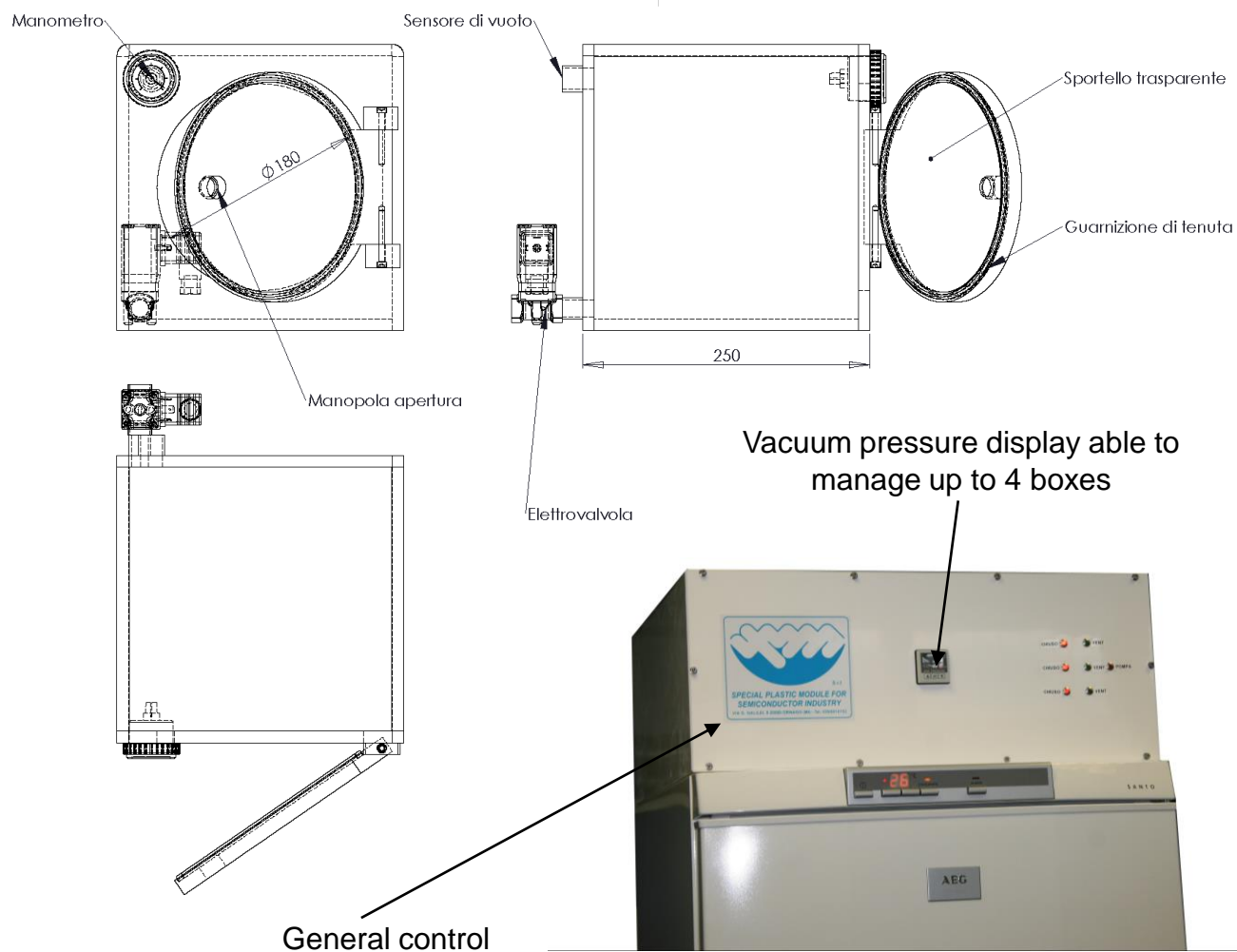
BOX type is the first application of SPM on the food market. The idea is to install the system inside standard refrigerator one or more boxes. Thanks to the connection of a vacuum pump, the content of boxes is kept constantly at vacuum pressure.

Each box has following specs:

- ▣ Transparent door with sealing
- ▣ Opening handle with integrated sensor for decompression
- ▣ Vacuum pressure sensor
- ▣ Vacuum inlet valve
- ▣ Decompression valve
- ▣ Magnetic sensor on the door for close detection



Box Type - Details



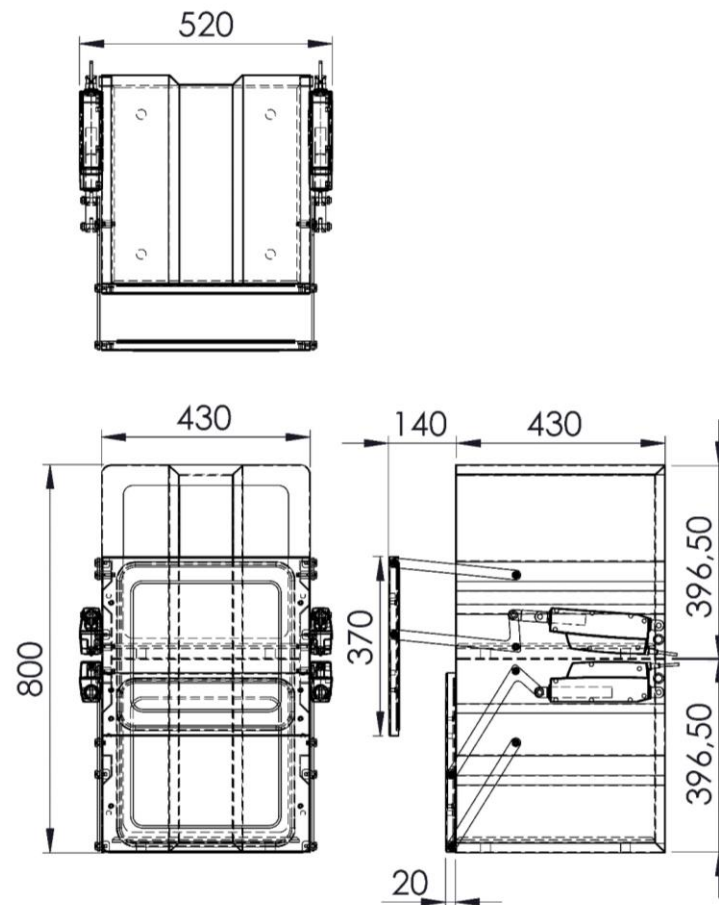
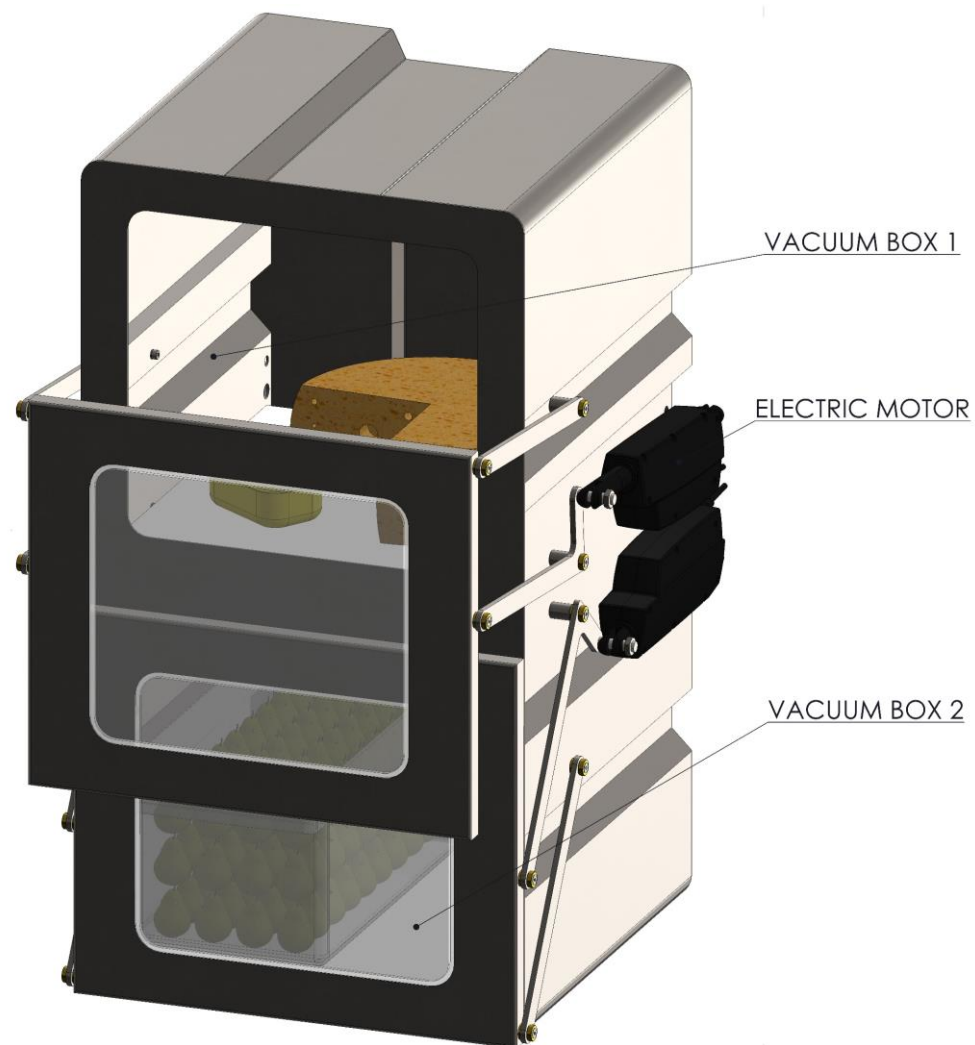


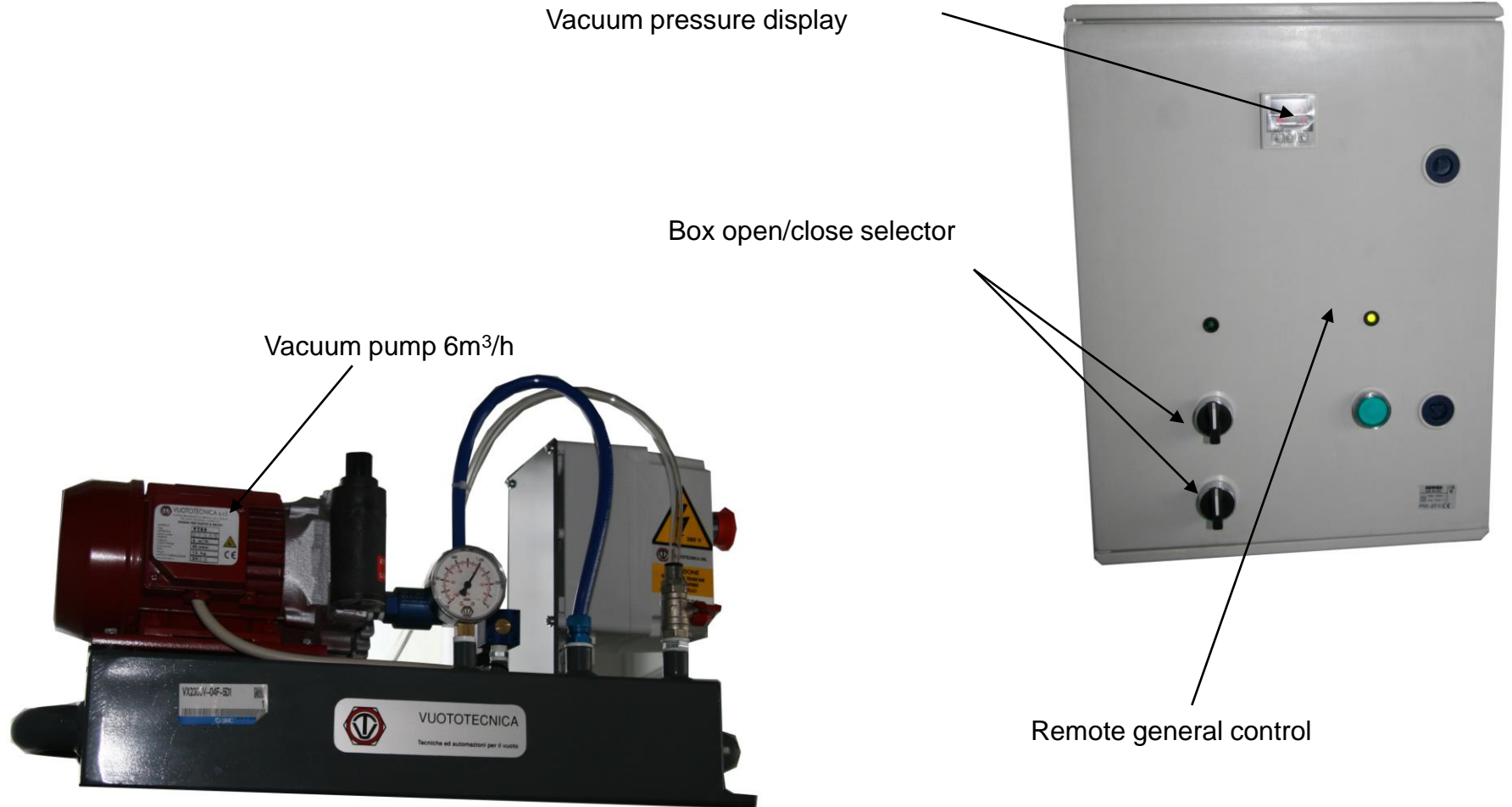
From box model, we developed a new configuration in SS316L electropolished.

This configuration is equipped with electric motor to open and close automatically the box door.

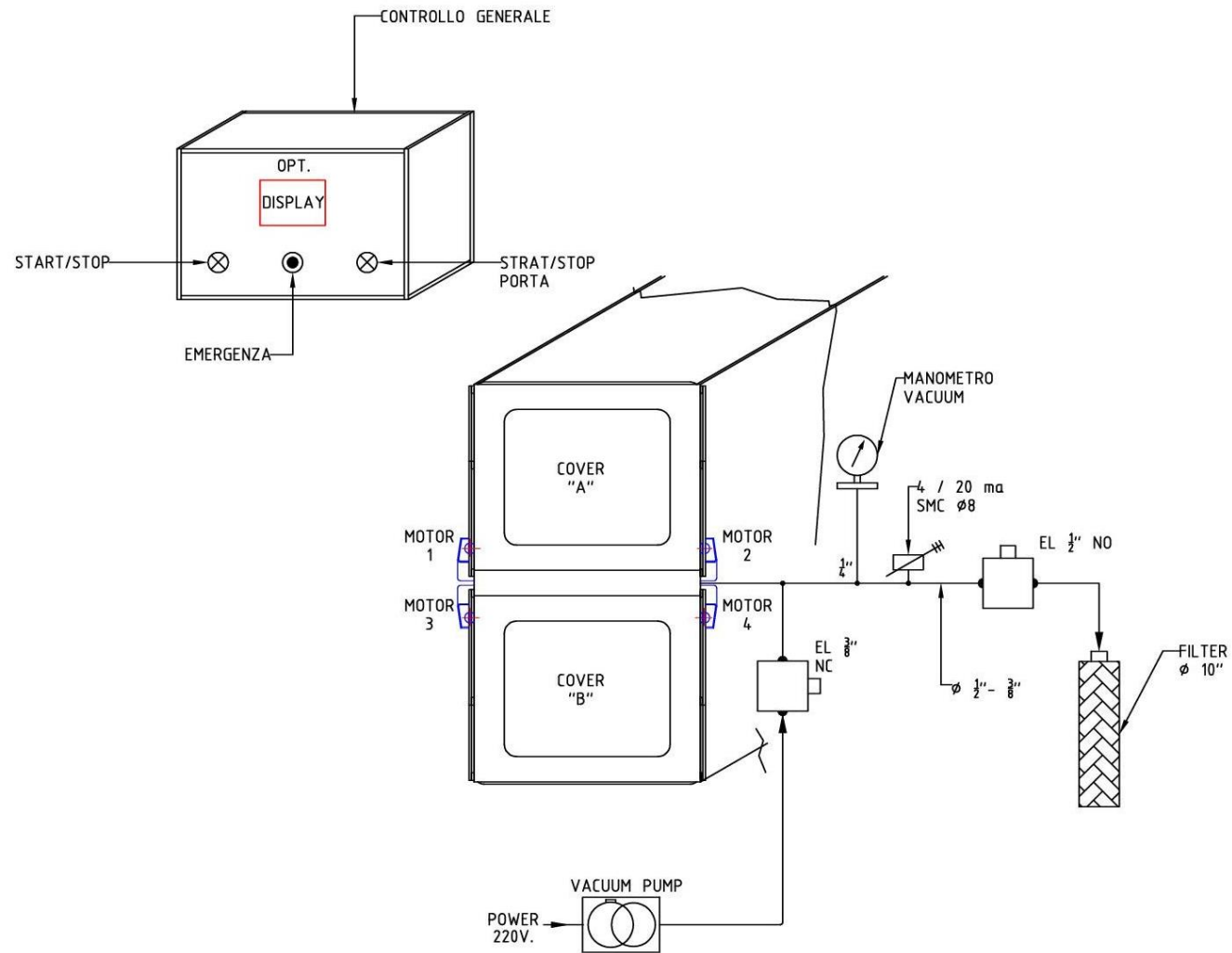
The opening/closing of door is made to save space and the design is extremely compact.

Automatic door - Details





Sportelli Automatici - Schema

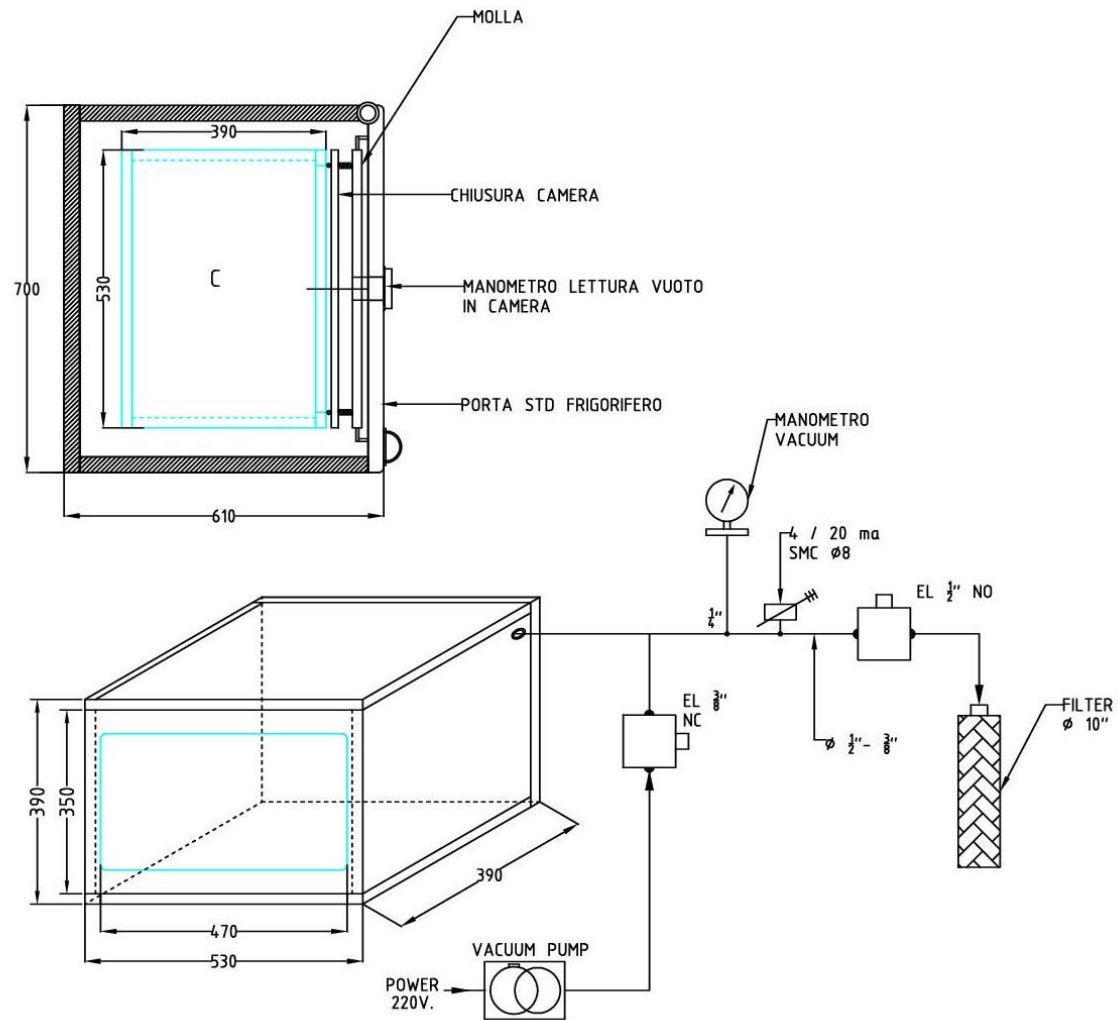




Also freezer compartment could be “vacuumize”. Inside freezer we can install custom box to create vacuum pressure inside.



On freezer door we installed the cover with sealing of the vacuum box.





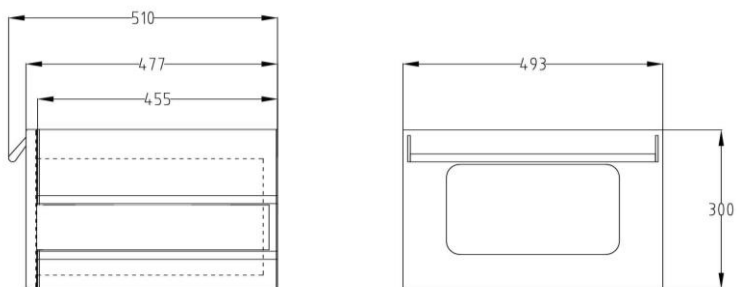
The last born is for industrial & commercial applications.

We use a SS304 refrigerator and we place inside sliding vacuum box realized in SS316L electropolished.

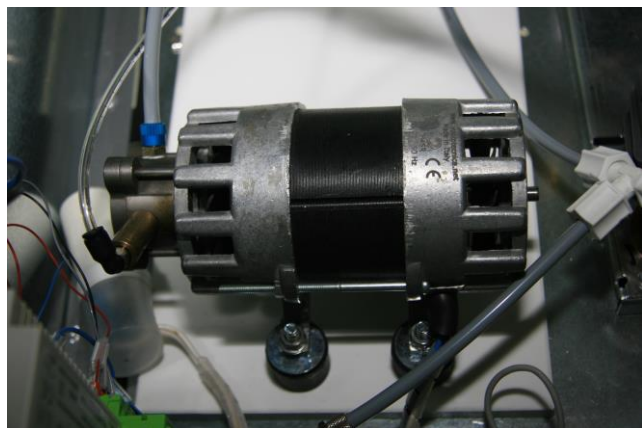
Each box is equipped with a dedicated micro vacuum pump. In that configuration we could remove all valves, saving space and costs.



Sliding drawers - Details



Vacuum pressure display



Micro vacuum pump 10l/min





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