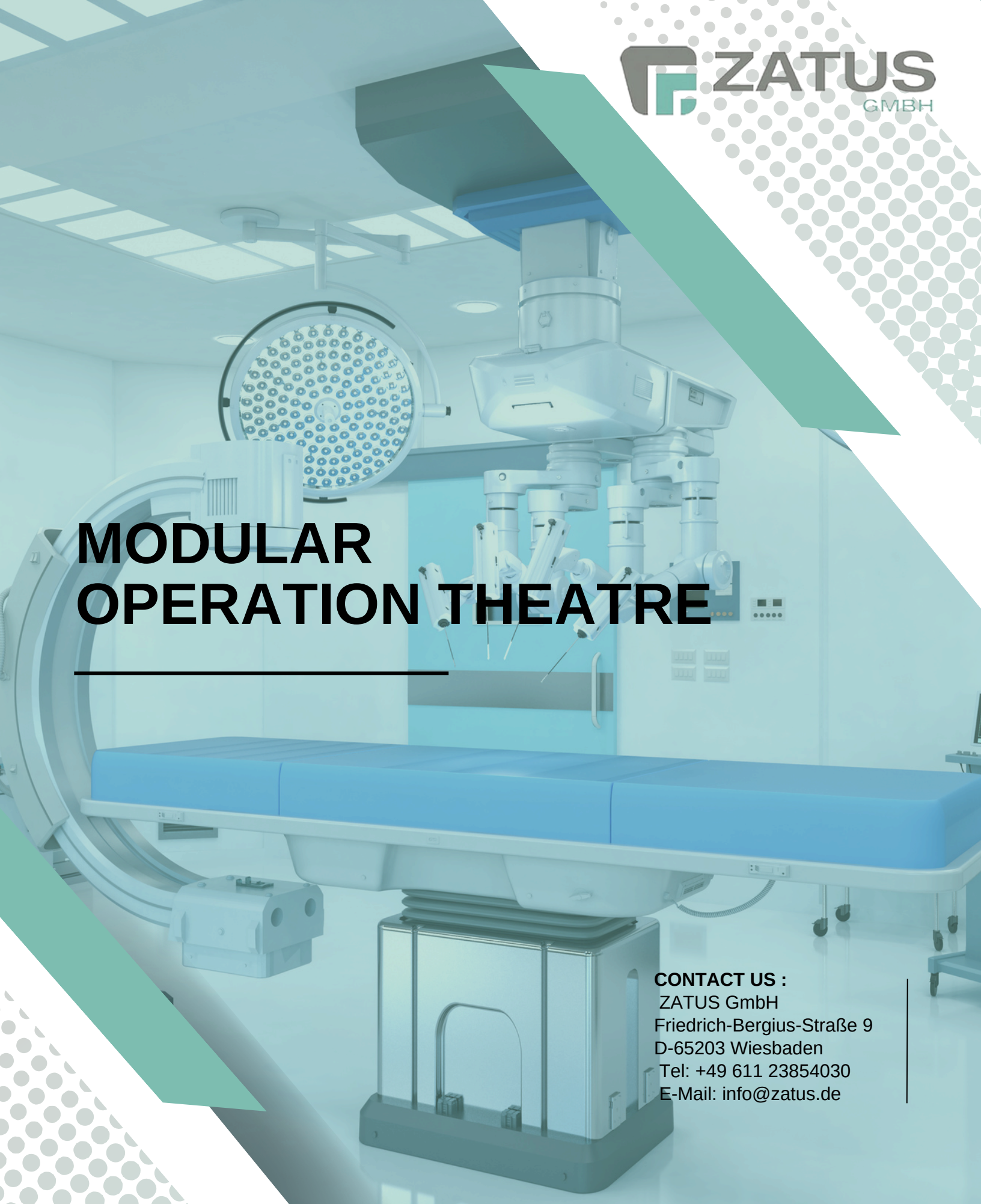
ZATUS GMBH

MODULAR OPERATION THEATRE



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METHODOLOGY

Wall, Ceiling, and Flooring Systems:

Tailoring modular operation theaters to each market's needs, we deliver meticulously designed walls, ceilings, equipment, and doors that meet international standards

Business Pillars :

- Commercial Excellency (ComEX)
- Engineering Facilities
- Value Engineering Assessment
- After Sales Processes

Manufacturing

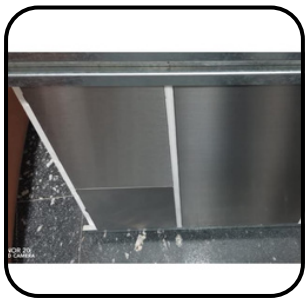
Sourcing & Logistics

Installation

Training

After Sales Service

PRODUCTS & SERVICES



Stainless-Steel wall panel

Our metal wall panels boast a flawlessly flat surface, devoid of pores, ensuring resistance against both living organisms and chemicals. Our wall boards come in 19mm variants, offering the choice of H1 fire/moisture resistance. Plus, enjoy top-tier fire resistance.

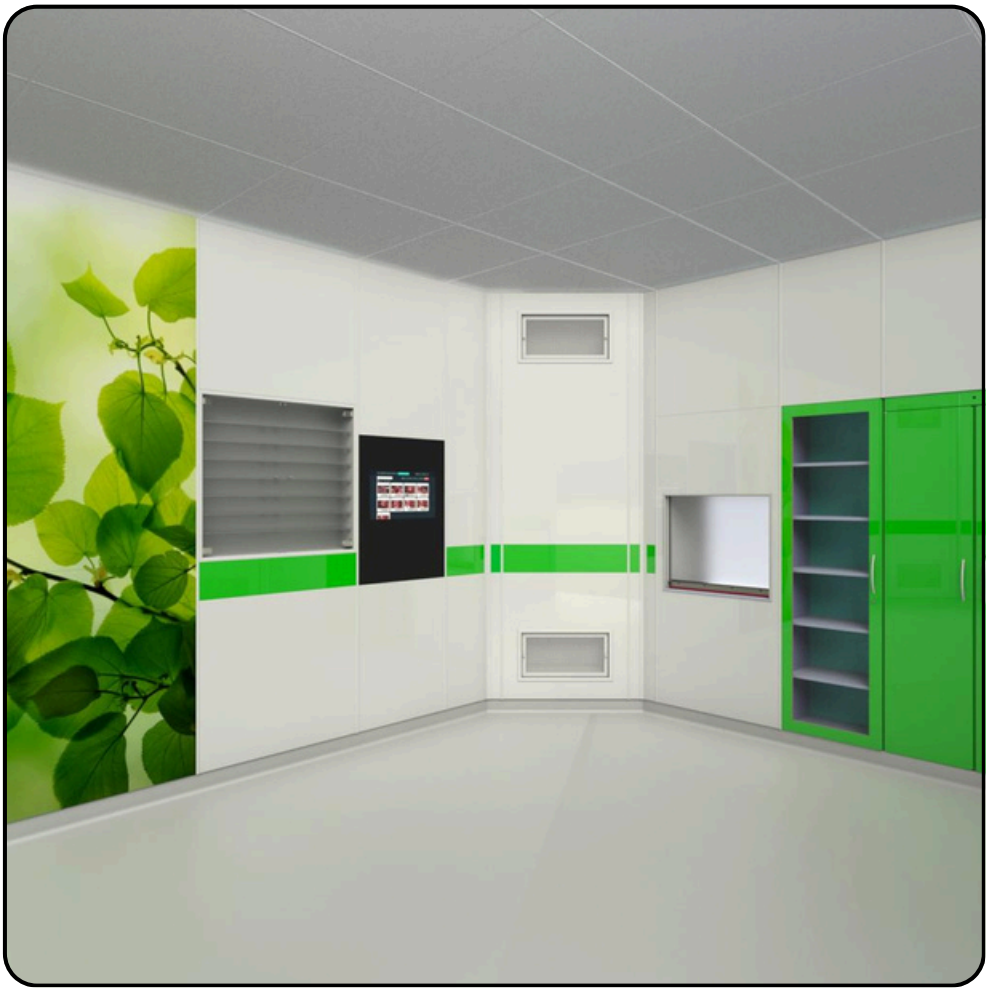
Performance

- Anti-bacterial coating for stainless-steel sheets. Reaction to fire.
- Sound insulation. For stainless steel, it is a subject of the international law of steel grade 304

PRODUCTS & SERVICES

STAINLESS-STEEL WALL PANEL

MODULAR WALL SYSTEMS



(Effective/Stand 04/2023)

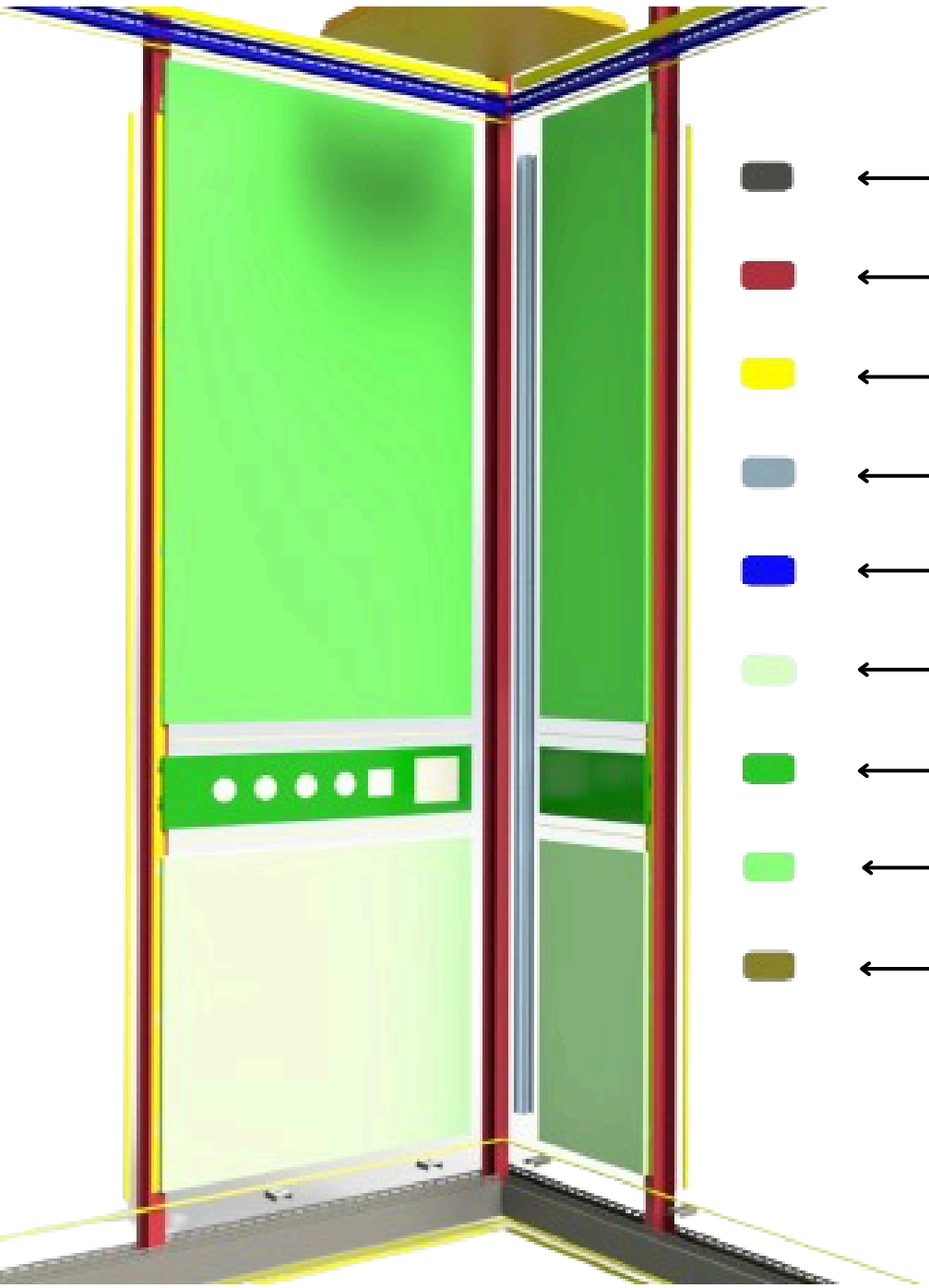
1.GENERAL INFORMATION

Zatus GmbH has developed a remarkable pre-fabricated wall system for hygienically closed hospital areas, including operation premises (ORIS), intensive care units (ICU), and other critical facilities.

1. Wall System Overview:
   - The wall panel system is designed as a modular structural frame system.
   - The axis distances between panels range from 500 mm to 1000 mm.
   - It is important to note that this wall system is non-load bearing, meaning it does not carry the structural load of the building.
   - The system is specifically tailored to meet the high demands of installation flexibility and antibacterial surface quality—both crucial features for operating rooms.

2. Prefabrication and Assembly:
   - The system is produced and prepared at the OMEGA Blechbearbeitung Limbach-Oberfrohna AG location.
   - It arrives in a ready-for-assembly condition, streamlining the installation process.

In summary, this innovative wall system combines flexibility, hygiene, and precision, making it an excellent choice for critical healthcare environments.



- Floor rail with clamps
- Substructure
- Sealing
- Corner rail
- Ceiling rail
- Lower panel
- Service panel
- Upper panel
- Ceiling panel

2.POSTER AND COLOR EXAMPLES

Basic color: Green – B600

Contrast color: Green – C660

Image: Shutterstock, White lily field

Basic color: Cream – B100

Contrast color: Gray – C750

Image: Shutterstock, Footprints in the sand

Basic color: Gray – B700

Contrast color: Green – C690

Image: Shutterstock, Idyllic landscape with mountian

Basic color: Cream – B100

Contrast color: Red – C360

Image: Shutterstock, Pink tulip and a shallow depth of

Basic color: White – B9016

Contrast color: Blue – 5013

Image: Shutterstock, Dandelion spores blowing away

Basic color: Cream – B100

Contrast color: Yellow – C160

Image: Shutterstock, Pair lovebirds

Basic color: Grey – B710

Contrast color: Red – C350

Image: Shutterstock, Pink tulips, very shallow focus

Basic color: Grey – B700

Contrast color: Green – C670

Image: Shutterstock, Pink hortensia petals

Basic color: Green – B600

Contrast color: Green – C690

Image: Shutterstock, Butterfly in hand on grass

3.UPPER PANEL FOR CONTROL A/B

The control wall panel is an upper wall panel with an open aperture the control panel.

The aperture for the control panel is available in two variants: 650 mm x 920 mm and 650 mm x 700 mm.

- # UPPER PANEL FOR X-RAY VIEWER R/L

The X-ray film display unit is a separate module stretching over two panel fields and mounted flush into the wall. Between the display unit and the wall panel, an aluminium profile frame is mounted.

• ONE/TWO CLOCK UPPER PANEL

The wall panel is provided with a rectangular opening for the clocks.

The clocks are flush with the wall panel.

It is also possible to install “double clocks” side by side. If so, the apertures have to be adjusted accordingly.

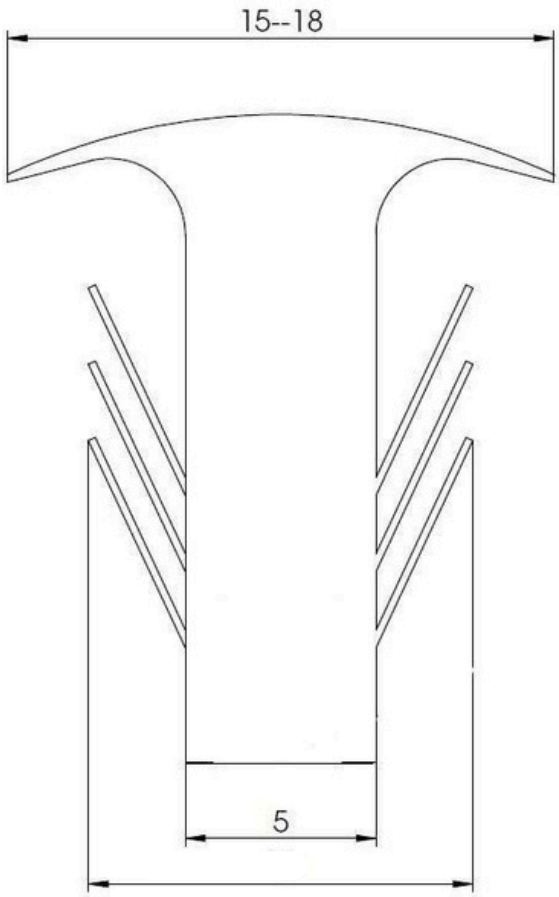
• SILICONE RUBBER

Material: antibacterial silicone

Available in these colors

Jade Green

Light Grey



The connections of two wall segments with the vertical bar are vertically sealed and covered by means of an antibacterial joint rubber sealing.

4.BUILT-IN EQUIPMENT

4.1 HUTCH CABINET AND BUILT-IN CABINET

Hutch cabinets and built-in cabinets are integrated in the wall panel system. Their surfaces are flush with each other. They consist of galvanized sheet steel and have an identical paint coating. This ensures identical hygienic standards at all built-in elements.

The built-in cabinet has a width of 1200 mm and a depth of 660 mm.
The hutch cabinet has a width of 900 mm and a depth of 700 mm.
Its place of installation is the operation preparation room.

It has a control system which prevents the simultaneous opening of both sides. A LED display in the upper facia of the hutch cabinet shows whether the cabinet is open on the other side. This stops any penetration of germs into the operating room.

Both types of cabinets have a height of 2000 mm from the upper edge of the floor rail. The floor rail has a height of 100 mm. Each cabinet has 5 shelves. The height between the shelves is approx. 300 mm.

HUTCH CABINET

Material: Galvanized standard steel (t = 1,0 mm) with an antibacterial paint coating

H x W x D: 2000 x 900 x 700 mm

BUILT-IN CABINET

Material: Galvanized standard steel (t = 1,0 mm) with an antibacterial paint coating

H x W x D: 2000 x 1200 x 525 mm

4.2 BUILT-IN GLASS CABINET

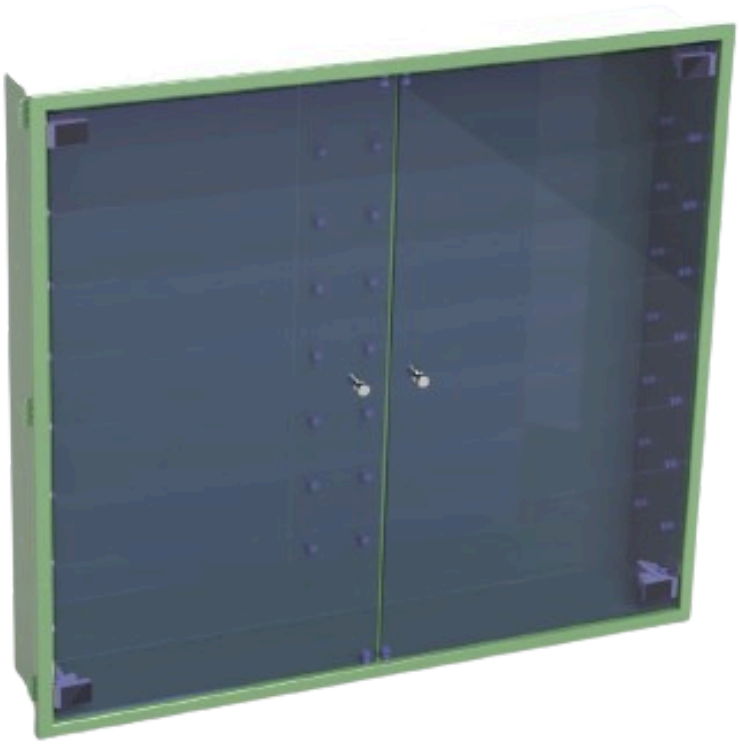
The built-in glass cabinet consists of a stainless-steel cabinet body with an integrated frame which is flush with the wall panel. It is equipped with double glass doors (opening angle up to 177°) and seven glass inserts. The distance between the glass shelves is about 110 mm. The installed width is 1100 mm, and the cabinets span over two elements.

CATGUT

Material: Stainless-Steel cabinet body; double glass doors; 7 glass shelves

Installation dimensions: H x W x D: 780 x 1100 x 171 mm

Visible dimensions: H x W: 820 x 1140 mm



4.3 EXHAUST AIR DUCT WALL ELEMENT

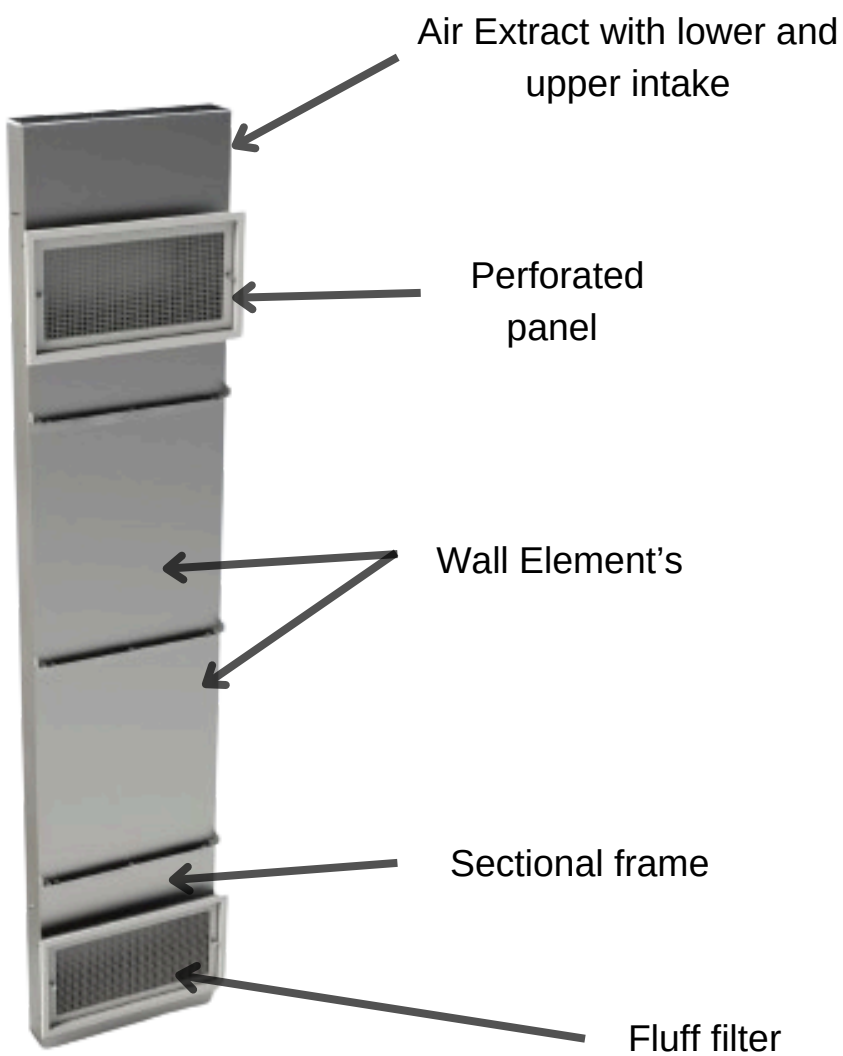
The exhaust air duct is aligned with the wall panels. The complete component is made of stainless steel and spans over the lower and upper wall panels. The air duct cross section is 125 mm x 625 mm.

A frame connects the intake of the exhaust air duct with the lower or upper wall panel. The intakes have a size of 625 mm x 325 mm.
The frame seals airtight with the surrounding wall panel.

The fluff filters can be easily removed for cleaning.
The upper fluff filter consists of a perforated panel, and the lower fluff filter is made of stainless steel gauze.

The bottom of the lower opening is inclined towards the room for an optimized air current. By installed regulating valves, the air current of the complete duct or the ratio of the air current between the lower and upper intake distributor can be changed.

The adjustment is performed manually and the adjustment system is easily accessible through the intakes after removing the fluff filters.



AIR RETURN

Material: Stainless-Steel (t = 1,0 mm) with an antibacterial paint coating (visible area)

Cross section: 125 x 625 mm

Openings: 625 x 325 mm

5.APPENDIX

Basic colors

Blue – B500	NCS S0515-B
Blue – B510	NCS S1515-B
Cream – B100	NCS S0505-Y
Cream – B110	NCS S0515-Y
Green – B600	NCS S0510-G30Y
Green – B610	NCS S0520-G30Y
Grey – B700	NCS S1000-N
Grey – B710	NCS S1500-N
White – B9016	RAL 9016
Stainless Steel – K240	CrNiSt

Contrast colors

Blue – C550	NCS S3020-B
Blue – C560	NCS S5020-B
Yellow – C150	NCS S0540-Y10R
Yellow – C160	NCS S0560-Y20R
Green – C650	NCS S2020-G30Y
Green – C660	NCS S4030-G
Grey – C750	NCS S3500-N
Grey – C760	NCS S4500-N
Blue – C5013	RAL 5013
Green – C670	NCS S2555-B30G
Red – C350	NCS S4050-R30B
Red – C360	NCS S2570-R
Green – C680	NCS S4550-B30G
Green – C690	NCS S1070-G50Y

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