

**PUT AN END TO
LABORATORY TERROR!**



BINDER CO₂-incubators with
ANTI.PLENUM DESIGN

TRIPLE BENEFIT:

- ✓ More protection against contamination
 - ✓ More time for cell and tissue cultures
 - ✓ More budget for other things
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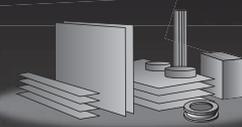
**BANISH
CONTAMINANTS!**



Traditional CO₂-incubator



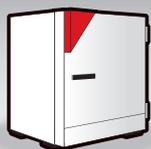
Approx. 3 m² surface for inner chamber, shelves, water pan



Additional approx. 3 m² surface for fixtures



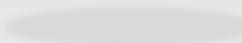
VS.



BINDER CO₂-incubator with **ANTI.PLENUM DESIGN**



Approx. 3 m² surface for inner chamber, shelves, water pan



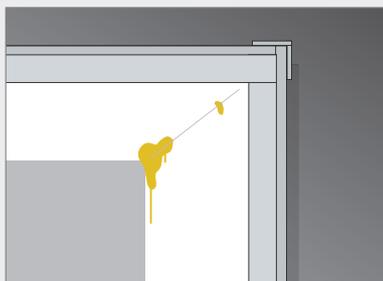
0 m² surface
No additional fixtures



Less surface.
More protection against invading contaminants.

Because large-surface racks and freestanding fixtures are consistently avoided, contaminants find nowhere to nest or grow. Less is more.

The core of all BINDER incubators is a seamless, deep-drawn inner chamber made of one piece with characteristically large, round corners. Combined with machine-polished stainless steel surfaces **ANTI.PLENUM DESIGN** removes any "reason to exist" for contaminants, thereby decreasing the probability of contamination by a factor of three.



Corners and edges in conventional incubators enlarge the surface area and thus increase the risk of contamination.



Area-minimizing round corners in BINDER CO₂-incubators reduce the risk of contamination.

**LESS CONTAMINATION
SURFACE**



► **THE UNIQUE
ANTI.PLENUM DESIGN**

- reduces contamination-prone surface
- eliminates hidden areas of contamination
- eliminates possible contamination spreaders like fans and HEPA filters

**ABANDON
WASTING TIME!**



Traditional CO₂-incubator



Extensive
cleaning effort

TIME → DISASSEMBLY CLEANING ASSEMBLY Time won for cell cultivation



Minimal
cleaning effort*

BINDER CO₂-incubator with
ANTI.PLENUM DESIGN

Less contamination-prone inner surface.
More time for cell cultivation.

Compared to incubators from other manufacturers, you can save up to 4.5 working days per year* in every 14 days of manual cleaning with the **ANTI.PLENUM DESIGN** from BINDER. Without air ducting plenum, shelf systems and countless screws and bolts, time and effort for disassembly and assembly as well as extensive manual cleaning for these parts are completely eliminated.

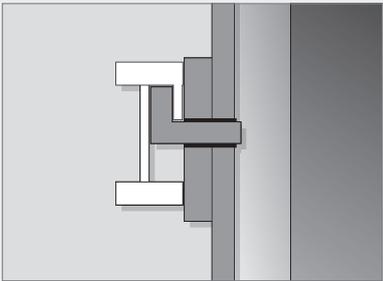
Thanks to the machine-polished stainless steel surfaces and the easy-to-remove fixtures, the effort to clean BINDER CO₂-incubators is also reduced many times over, giving you more time for your cell cultures.

**MUCH LESS
CLEANING EFFORT**



▶ **THE UNIQUE
ANTI.PLENUM DESIGN**

- eliminates time to clean air ducting plenum
- eliminates time to clean shelf systems
- eliminates time consuming dismantling and assembly



Disassembly and cleaning of the plenum parts in standard incubators take a long time.



The inner chamber of BINDER CO₂-incubators is deep-drawn from one piece and is easy to clean.

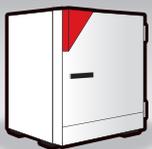
* Times may vary depending on the model.

GET RID OF MONEY SQUANDERERS!



up to **1.500 €** costs for consumables per year

vs.



..... NO CONSUMABLES



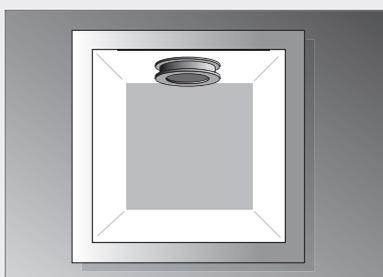
No costs for consumables*

BINDER CO₂-incubator with **ANTI.PLENUM** DESIGN

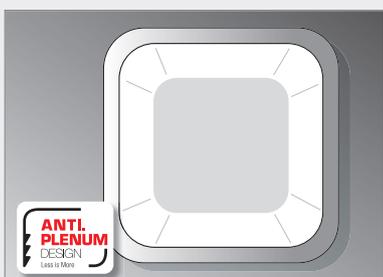
No plenum.
More money for your lab.

You can now avoid such costs because BINDER CO₂-incubators do not require the use of consumables for the entire life of the product.

For decontamination purposes, some manufacturers use HEPA filters or UV lamps and others swear by gassing with hydrogen peroxide. However, to ensure the full potential of these solutions, they have to be replenished or replaced at regular intervals. **ANTI.PLENUM** DESIGN eliminates the need for consumables and regular invoices.



Traditional CO₂-incubator with HEPA filter for decontamination solution.



BINDER CO₂-incubators are bare of any consumables.

NO CONSUMABLES IN THE INNER CHAMBER



► **ADVANTAGES OF THE ANTI.PLENUM DESIGN**

- No costs for HEPA filters each year
- No costs for hydrogen peroxide solutions year in year out
- No re-occurring costs for UV lamps and starter

* Does not include the costs of cleaning materials.

LESS IS MORE: BINDER CO₂-INCUBATORS WITH **ANTI.PLENUM** DESIGN

Maximum sample safety and best possible cell growth: BINDER CO₂-incubators with their unique **ANTI.PLENUM** DESIGN offer key advantages over conventional models. Many manufacturers try to meet these requirements with additional functions and fixtures in the incubator, e. g. plenum panels. However, BINDER consciously pursues a different strategy: Less is more.

Thus, the inner chamber is made of stainless steel deep-drawn from one piece. On air deflectors, large-surface racks and freestanding fixtures BINDER has consistently avoided.



ANTI.PLENUM
DESIGN
Less is More

LESS CONTAMINABLE SURFACE	More protection against contaminants
LESS SURFACE TO CLEAN	More time for cell cultivation
NO CONSUMABLES	Significant more cost savings year over year



BINDER CO₂-incubators with characteristically large, round corners and deep-drawn shelf support systems contribute to a significant reduction in contaminatable surfaces.



A "pile" of internal parts of a conventional incubator with many contaminatable surfaces.

Best growth conditions with BINDER CO₂-incubators



BINDER CO₂-incubators distinguish themselves by a variety of sophisticated technical features designed to create best possible culture conditions, to avoid contamination and to reproduce good decontamination results.

Available models:

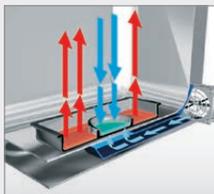


▶ OPTIMAL INCUBATION RESULTS THANKS TO SUPERIOR TECHNOLOGY



Uniform growth conditions

- ▶ VENTAIR™ Air Jacket
 - Homogeneous temperature distribution at all levels
 - Extremely rapid recovery times



High humidity

- ▶ Permadyr™ double pan humidity system
 - Saturated relative humidity up to 95 % RH
 - Rapid humidity recovery times
 - Optimal protection against evaporation for cultures

