Hygoclave 50.
Hygiene is in our DNA.



COMPRESSED AIR | SUCTION | IMAGING | DENTAL CARE | HYGIENE

DÜRR DENTAL
THE BEST, BY DESIGN

We carry hygiene competence in our genes.

For 80 years, Dürr Dental has been driving evolution in hygiene and medical technology with innovative solutions. Specialist know-how in the field of hygiene is thus practically in our genes and enables us to offer a wide range of hygiene products that we are continuously expanding and perfecting in order to make everyday work in your practice as safe and successful as possible.

Hygoclave 50 is our latest new development in this area. Its DNA makes it a reliable link in the practice's hygiene chain. Here, absolute reliability and consistent sterilisation results to the highest standards are what counts. With Hygoclave 50, Dürr Dental offers dental practices a professional Class B solution that combines impressive performance with a well thought-out operating concept – for maximum efficiency and exceptional user friendliness designed to cope effortlessly with tough day-to-day working environments.

This is what counts:

- High-performance sterilisation and drying system with extra universal programme for additional safety and reliability even when sterilising complex hollow bodies
- Excellent usability thanks to:
  - Intuitive operating concept
  - High-resolution 5" touch screen
  - Automatic door locking mechanism
- Flexible fresh water supply system with integrated fresh water quality control
- Keep a clear overview and everything properly documented thanks to the connection to VistaSoft Monitor and to dental documentation programmes




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Increased comfort for maximum efficiency

1 Robust stainless steel chamber

Stainless steel and plastic are used across the board in the sterilisation process to prevent the risk of highly corrosive demineralised water dissolving ions from the materials. Chemical reactions that could impair the sterilisation process are suppressed as a result.

2 High-performance process control

The powerful steam generator guarantees uniform and precise sterilisation processes around the clock. The optimised process control, in combination with the components and materials used, not only enables Class B sterilisation processes, but also carries them out within the shortest possible time with particularly economical water consumption. In addition, the Standard B Plus cycle offers 4 evacuation stages during the fractionation phase. This means a real boost in terms of safety during venting of the chamber.

3 3-fold flexibility for the water supply

Regardless of the size of the dental practice, the required throughput or the structural conditions of the building: when it comes to fresh water supply, every practice has to go its own way. Hygoclave 50 has proved itself to be a flexible partner capable of offering the perfect solution for any constellation.

1 Manual fresh water supply

The fresh water and waste water containers are easily accessible for effortless filling of the fresh water container manually. This solution offers ideal hygiene conditions and optimum access for inspection and maintenance.



2 Combination with a water treatment system

On the rear of the unit there are connections for connecting the unit to a water treatment system such as Hygodem 90 or Hygopure 90.

3 Integrated pump

On the front there is a connection that allows fresh water to be drawn into the fresh water container from an external container with the aid of the integrated pump.



4 Automatic door locking mechanism

A motorised locking system opens and locks the door automatically, making loading and unloading the sterilisation chamber particularly easy and safe.

5 Integrated dust protection filter

A dust filter, which is easy to access and clean, effectively protects against contamination from the ambient air.

6 Powerful drying

Some parts for sterilisation are more difficult to dry and need longer drying phases or even an individually tailored drying process. Whatever the requirements, the process can be precisely adapted to the specific situation. Thanks to the powerful drying system with a deep vacuum, the sterilisation products come out of the chamber with perfect sterilisation results.

7 Large memory and simple documentation:

The extra-large memory of Hygoclave 50 offers space for more than 100,000 sterilisation reports. And thanks to the integrated USB interface, the reports can be easily downloaded to a USB stick.

Stay relaxed with a clear view of everything – with VistaSoft Monitor



VistaSoft Monitor – the foundation for Artificial Intelligence

Hygoclave 50 is not only set up for standalone operation, it also works seamlessly as part of our cloud network VistaSoft Monitor. The IoT platform VistaSoft Monitor can be used to monitor the vitality data of the device, send pro-active messages in case of anomalies, and remind you of required maintenance actions. Whether via PC or mobile device, with this system you always have a clear overview of what's going on in the practice.

Scan me

IoT
VISTASOFT MONITOR

This is what counts:

- Real time monitoring of operating states
- Automatic backups of cycle reports on the practice PC
- Regular inspection and maintenance intervals at a glance for maximum operational safety
- Efficient communication with the Service department, rapid analysis and fast problem solving via remote maintenance or through on-site visits by technicians who come perfectly prepared
- Access to product-specific documents and videos



Intuitive operation

Thanks to the intuitive operation of its graphical interface, the high-resolution 5" touch screen offers user-friendly operation for all functions. Colour-coded icons on the home screen make for incredibly easy navigation and offer fast access to key functions and the integrated user management system. It is also possible to launch recently used sterilisation and test cycles via quick access buttons, or you can freely program your own programme start buttons.

Service experts think ahead.

Service-friendly and modular

The device architecture has been planned and configured to make the unit as service-friendly as possible.
All key components are easily accessible and offer modular replacement capability.

Easy system check

For servicing there is also a special service menu where technicians can access useful service functions to enable fast and easy troubleshooting.

Professional service is not a feature – it is a matter of attitude.

- Worldwide service network with our own service technicians and workshops in the Dürr Dental subsidiaries. In addition, our own employees look after customers locally in over 40 countries – and of course they all speak the local language.
- 2nd level service support via remote service and via the central repair workshop at the company headquarters in Bietigheim/Germany
- Comprehensive training concepts: practical training courses at the Dürr Dental Academy in Bietigheim, on site in the different countries and online via professional webinars

Accessories



Hygodem 90/Hygopure 90

These two water preparation systems enable particularly cost-effective and sustainable operation. Hygodem 90 is an ion exchanger, whereas Hygopure 90 works on the principle of reverse osmosis.



Hygotest

The Helix test phantom with 250 test strips for a regular, quick and simple Helix test.



Hygoprint Easy

With the optionally available printer you can print out both cycle reports and barcode labels. These contain all the necessary information about the sterilisation cycles performed.

Technical data and programmes

Technical data	Hygoclave 50	Hygoclave 50 Plus
Supply voltage	220 V–60 Hz , 230 V–50 /60 Hz, 240 V–50 Hz	220 V–60 Hz , 230 V–50 /60 Hz , 240 V–50 Hz
Maximum current consumption at 230 V	8.9 A	9.6 A
Maximum power consumption at 230 V	2050 W	2200 W
External dimensions (W x H x D)	493 x 484 x 642 mm	493 x 484 x 642 mm
Weight	57 kg	61 kg
Chamber dimensions (Ø x D)	250 x 370 mm	250 x 450 mm
Chamber volume	17 l	22 l
Chamber material	Stainless steel	Stainless steel
Fresh water container	5.2 l	5.2 l

Maximum load for standard cycles Type B	Hygoclave 50	Hygoclave 50 Plus
Unpackaged, bulky load	5.5 kg	6.5 kg
Packaged, bulky load	3.5 kg	4 kg
Porous load	1.5 kg	2 kg
Maximum load for B flash cycle	**Hygoclave 50**	**Hygoclave 50 Plus**
Packaged, bulky load	0.5 kg	0.7 kg
Porous load	0.2 kg	0.3 kg

Total cycle duration*	Hygoclave 50	Hygoclave 50 Plus
134 °C B Standard (sterilisation time 5.5 min)	37 min	38 min
134 °C B Standard Plus (sterilisation time 5.5 min)	38 min	39 min
134 °C B Prions (sterilisation time 20 min)	49 min	50 min
134 °C B Flash (sterilisation time 5.5 min)	26 min	27 min
121 °C B Standard (sterilisation time 20.5 min)	56 min	57 min

* Average values for a maximum load when hot, including pre-heating phase and drying. Standards: EN 13060 / EN 61010-1 / EN 61326 / EN 61010-2-40.

GOOD DESIGN

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P007100196L02/S12 Subject to technical alterations

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