

# Z1-M Series

Single station suction systems



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- **Z1-M10** mobile suction unit with handle and standard filter bag for working places and dust generating devices
- **Z1-M11** built-in suction unit with standard filter bag for working places and dust generating devices
- **Z1-M50** mobile suction unit with handle and XL filter bag for working places and dust generating devices
- **Z1-M51** built-in suction unit with XL filter bag for working places and dust generating devices

## Working place suction unit for installation or mobile use

The **Z1-M Series** was designed as a compact unit with exchangeable filter door system and electronic suction power control for the individual field of application.

## Regulated step switch

The **Z1-M** has 5 suction levels, the performance of which the user can freely set and store in the first four levels. The fifth suction level serves as a boost for short-term maximum suction power.

The unit has also an intelligent control of the suction power, which adjusts itself to the programmed setting depending on the filling level of the filter. This ensures a constant performance independent of the filling level of the filter bag.



**MADE IN GERMANY**



## Motor technology

The new Smart Drive control for carbon brush motors is installed in the suction systems of the **Z1-M series**. This technology ensures a guaranteed motor operating time of 1500 hours without changing the carbon brushes. In addition, the long running time can be increased considerably by the possibility of changing the carbon brushes.



## IFA certificate for dust-related testing by the DGUV

The suffix refers to suction systems in dental laboratories. It confirms that the dust extractor meets the requirements of the test specification DIN EN 60335-2-69, Appendix AA (degree of dust separation, filter change, dust extraction from the unit etc.) or that the dental suction system complies with the requirements described in the test specification GS-IFA-M020.



## Zubler Extraction Technology APP

A Bluetooth connection with Zubler Extraction Technology APP gives you the possibility to obtain rapidly a high number of information about the condition of the suction system. You can easily make individual settings on the device from your smartphone or tablet and contact us via remote maintenance in case of service.



## Z1-M10

## Z1-M11

## Z1-M50

## Z1-M51

### Z1-M10

**Single place suction unit  
Portable version with standard filter**

The mobile version of the suction unit is equipped with a handle on top of the unit and allows easy positioning and use at a working station of your preference.

Width:	300 mm
Height with handle:	440 mm
Depth:	435 mm
Filter size:	3 Liter
Weight:	21 Kg
Suction capacity:	15 - 40 l/s
Noise level:	45 - 59 dB(A)

### Z1-M11

**Single place suction unit  
Built-in version with standard filter**

The built-in version is designed for suspension under the working station by using a mounting plate and rail. This mechanism allows easy installation and removal of the suction system at the table.

Width:	300 mm
Height with mounting plate:	410 mm
Depth:	435 mm
Filter size:	3 Liter
Weight:	23 Kg
Suction capacity:	15 - 40 l/s
Noise level:	45 - 59 dB(A)

### Z1-M50

**Single place suction unit  
Portable version with XL filter**

The mobile version of the suction unit is equipped with a handle on the top of the unit and allows easy positioning and use at a working station of your preference.

Width:	410 mm
Height with handle:	440 mm
Depth:	435 mm
Filter size:	6 Liter
Weight:	23 Kg
Suction capacity:	15 - 40 l/s
Noise level:	45 - 59 dB(A)

### Z1-M51

**Single place suction unit  
Built-in version with XL filter**

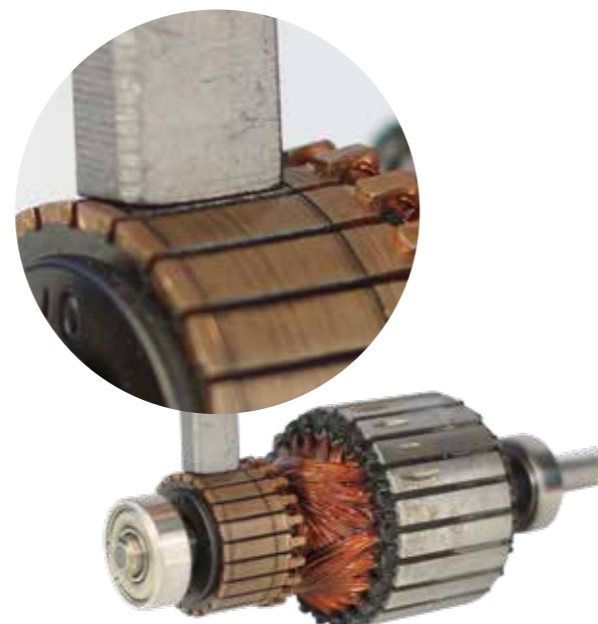
The built-in version is designed for suspension under the working station by using a mounting plate and rail. This mechanism allows easy installation and removal of the suction system at the table.

Width:	410 mm
Height with mounting plate:	410 mm
Depth:	435 mm
Filter size:	6 Liter
Weight:	25 Kg
Suction capacity:	15 - 40 l/s
Noise level:	45 - 59 dB(A)

## SMART-DRIVE CONTROL SYSTEM FOR CARBON BRUSH MOTORS



Motor after 1000 hours of runtime and **conventional** control



Motor after 1000 hours of runtime and **Smart-Drive** control

### The future-orientated control system for carbon brush motors

A fundamentally new electronic system for controlling the motor has been developed for all **Z1 series** suction units. It is operated as a pure DC motor and achieves a guaranteed running time of 1500 hours without changing the carbon brushes.

This high running time can be increased considerably by the possibility of changing the carbon brushes. The impressive lifetime of the carbon brush motor installed in the **Z1 suction systems** was previously only known from brushless and therefore more expensive motors.

The important information regarding the condition of all suction motors used in the laboratory, such as effective running time, performance and history of operation can be read out and documented easily with a Bluetooth connection and the Zubler Extraction Technology-APP.

## IFA CERTIFICATE FOR DUST-RELATED TESTING



Suction systems with test certificate GS-IFA-M20 are systems with clean air recirculation into the working room listed by the German Employers' Liability Insurance Association.

They can be used for all types of dust generated in the dental laboratory; this also includes cobalt-containing dental alloys in the usual processing techniques and quantities used in the sector. According to TRGS 561 (10/2017), due to their „state of the art“ and their supervised good filter and suction performance, their use is allowed in the laboratory without the need to prove the residual dust concentration by complicated measurements. According to GS-IFA-M20 a prerequisite is the use of collection elements and suction systems tested and adjusted to each other.

## FILTER TECHNOLOGY OF THE Z1-M SERIES



All **Z1-M** suction units are generally equipped with a double filter system. The dust is collected in a high-quality filter bag, which can be easily removed and discarded dust-free when replacing it. A fine filter cartridge offers additional protection and only needs to be replaced at longer time intervals. The filter quality of the system corresponds to dust class „M“ according to DIN EN 60335-2-69.

In addition to the model version with standard filter bag (Z1-M10/11) a model with a larger filter volume is available (Z1-M50/51).

# THE ZUBLER EXHAUSTING TECHNOLOGY APP

Using the **ZUBLER EXHAUSTING TECHNOLOGY APP** and a Bluetooth connection to the device, you can check important information such as the effective motor running time, the filter status or the current air volume of the **Z1-M system** and adjust it if necessary.



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Subject to technical modifications.

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