

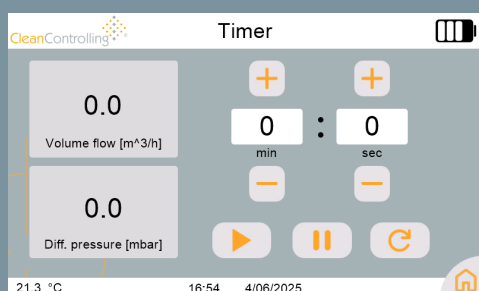
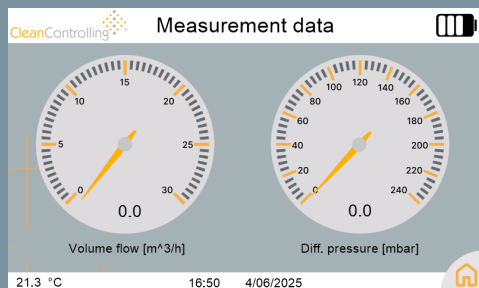
# C|PS<sup>2</sup>

## C|PS<sup>2</sup> SUCTION EXTRACTION SYSTEM

### VDA 19.1 volume flow display as retrofit set

The third edition of VDA 19.1 published in 2025 brings with it some significant innovations, particularly with regard to (brush) suction extraction. This method is becoming increasingly important, as it is often the only practicable alternative to liquid extraction for certain components such as battery systems, high-voltage or electronic parts. Volume flow measurement plays a central role here. It ensures that extraction and analysis results are reproducible and comparable.

The C|PS<sup>2</sup> suction extraction system developed by CleanControlling some time ago as an alternative extraction method for such applications has already been in use for several years. It has a measuring device for indirect measurement of the volume flow by means of differential pressure measurement in mbar. The factory-set volume flow is monitored indirectly via the recommended differential pressure.



### Volume flow measurement in compliance with VDA 19.1

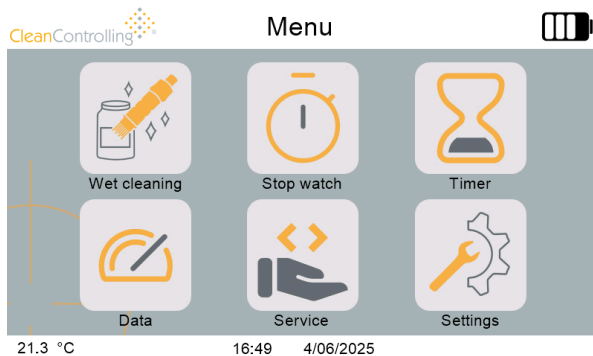
CleanControlling has developed a new measuring device with touch display and all functions relevant for suction extraction in order to be able to reliably monitor the new normative requirements and parameters of VDA 19.1.

The volume flow of the particle suction extraction system is measured and calculated using the differential pressure measurement method below the analysis filter. The volume flow is a key parameter for the reproducibility of the selected test parameters.

The new touch display is used to continuously display the volume flow and differential pressure in real time. Additional functions are also integrated as a timer or stopwatch and for guided wet cleaning of the system.

## Functions

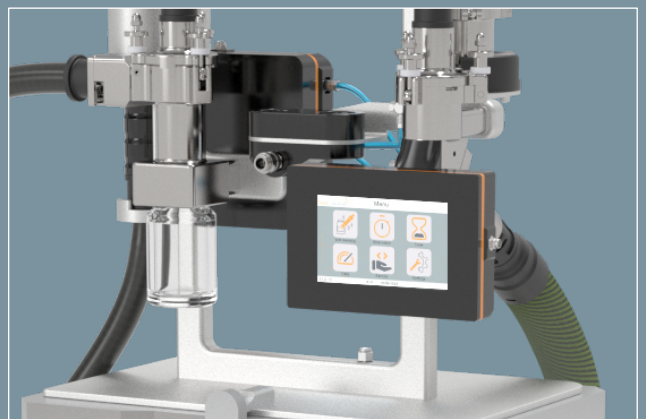
- Measurement and display of volume flow (m<sup>3</sup>/h) and differential pressure (mbar)
- Stopwatch
- Timer
- Guided wet cleaning
- Control function for emptying the vacuum cleaner and venting the measuring device



## Retrofitting C|PS<sup>2</sup> suction extraction systems

When developing the system, particular attention was paid to backwards compatibility for C|PS<sup>2</sup> systems in standard and ESD versions. This means that all C|PS<sup>2</sup> systems built from 07'2019 onwards can be retrofitted by the user. No factory assembly work is required. The retrofit can easily be carried out by the laboratory staff themselves.

We are happy to provide information on the compatibility of the retrofit kit with existing C|PS<sup>2</sup> systems based on the serial number of the device.



Video retrofit kit for volume flow display



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