

## Multifunctional in the smallest of spaces

The pressure and vacuum generator PGVA integrates many functions in a compact housing

**The decentralised pressure and vacuum generator PGVA from Festo is a compact complete solution for laboratory automation. It integrates compressor, air preparation including filter system, reservoir and electronic pressure and vacuum control in the smallest of spaces.**

Whether your laboratory processes involve pipetting medical samples or dosing with a dispense head, the pressure and vacuum generator PGVA from Festo is a standalone solution for liquid handling in laboratory automation. All you need to supply a solution with compressed air or vacuum is a 24 V power supply.

### Practical interfaces

Both pressure and vacuum are generated in a closed control loop using integrated compressor, buffer reservoirs, pressure sensors and proportional valve. Users can individually specify the pressure and vacuum level via a serial RS232 or network-capable Ethernet communication interface. The defined electric, pneumatic and software-based interfaces make it easy to integrate the PGVA into an existing liquid handling solution or operate it manually with the PC-based graphical user interface (GUI). The required volume for dispensing or aspirating is determined by the valve opening time and the pressure and vacuum values set in the software.

### Persfoto's



#### PGVA pressure and vacuum generator

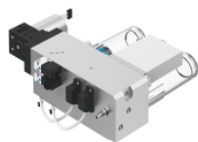
Decentralised: the pressure and vacuum generator PGVA supplies your pressure or vacuum solution with compressed air.

12. April 2022

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Christian Österle

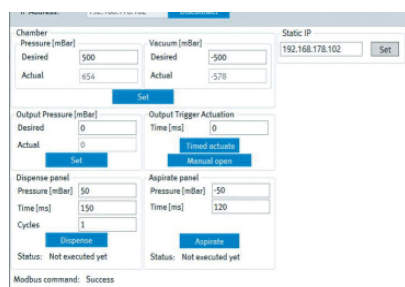


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### **PGVA pressure and vacuum generator, interior view**

Integrated: compressor, filter system, reservoirs and electronic pressure/vacuum control with proportional regulator.



### **Screenshot GUI of pressure and vacuum generator PGVA**

Simple: with a PC and the GUI software, the necessary parameters can be transferred via the COM or Ethernet port.