VACUUBRAND®

# Fluid aspiration system BVC control




Link to the website

## Product description

The BioChem-VacuuCenter BVC control serves for efficient and convenient aspiration of supernatants. The vacuum level - and thus the suction force - is exactly adjustable by the electronic touch panel and allows a sensitive and reproducible operation. The chemically resistant diaphragm vacuum pump is automatically turned on and off as needed, which reduces the low noise level even further. The BVC control is available in two complete equipment options with different collection flasks. The 2l borosilicate glass bottle with a protective coating has a very high chemical resistance. For larger amounts of liquids the 4l bottle of unbreakable polypropylene (PP) is used. The smooth surfaces allow an easy cleaning of the systems.

## Performance features

- powerful and long-lasting chemistry diaphragm pump for universal economical use
- extremely compact, space saving and low noise and thus the ideal tool in the workplace
- easy operation due to electronically adjustable suction power via touch panel, for strong or sensitive suction
- autoclavable collection bottle designed to reduce aerosol and foam formation; with hydrophobic protection filter 0.2 µm, autoclavable quick-couplings available as accessory
- ready to accept a second aspiration hand controller (VHC$^{pro}$) to support two users

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Link to the website:
https://shop.vacuubrand.com/20727201

## Ordering data

| Product name | Nominal mains voltage \| mains frequency | Plug type | Articleno. |
|---|---|---|---|
| BVC control | 230 V \| 50-60 Hz | CH | 20727201 |

## Items supplied

Fluid aspiration system complete with powerful chemistry diaphragm pump, collection bottle, adjustable suction power control via touch panel, aspiration hand set VHC$^{pro}$ and protection filter, ready for use with manual.

## Accessories

- VacuuHandControl VHC$^{pro}$ (20688061)
- BVC 4l bottle PP BVC (20635810)
- Bottle 4L PP with cap, unmachined (w/o filter, connection for hose, blind plug) BVC Bottle (20638246)
- Table stand for VHC$^{pro}$ VHC$^{pro}$ (20635680)
- 8-channel tip adapter with ejector, for VacuuHandControl VHCpro BVC (20635679)
- BVC shuttle BVC shuttle (20696880)
- BVC 4l bottle PP BVC (20635810)
- Bottle 4L PP with cap, unmachined (w/o filter, connection for hose, blind plug) BVC Bottle (20638246)
- Table stand for VHC$^{pro}$ VHC$^{pro}$ (20635680)
- 8-channel tip adapter with ejector, for VacuuHandControl VHCpro BVC (20635679)
- BVC shuttle BVC shuttle (20696880)
- Set of diaphragm and valves ME 1, ME 1C, VP 100, VP 100C (20696874)

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## Technical data

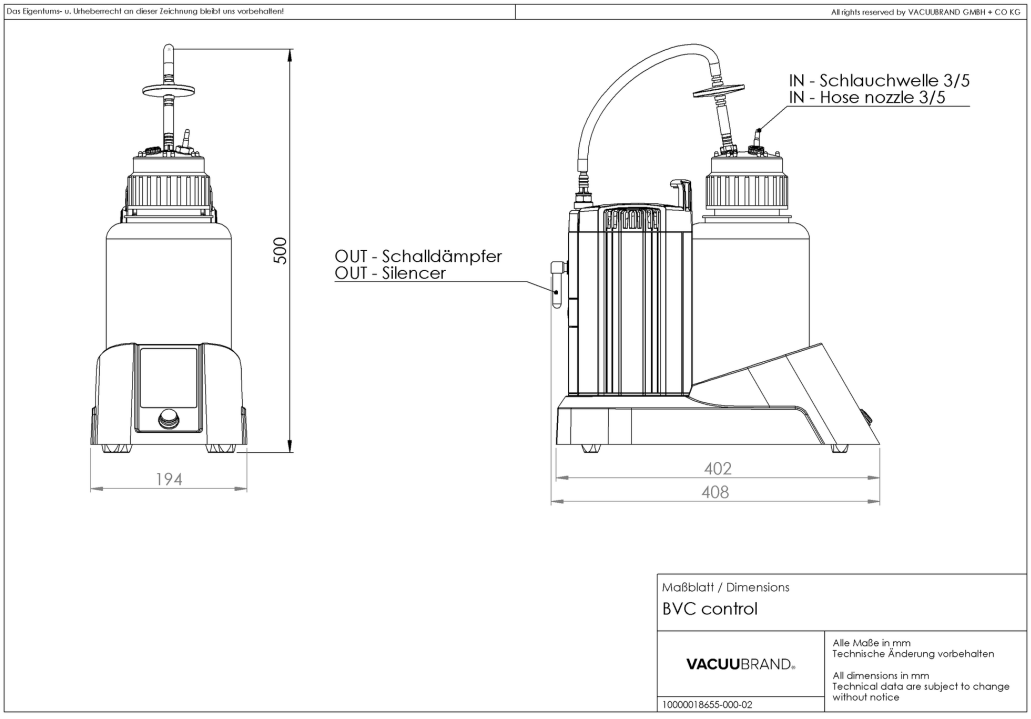
| | |
|---|---|
| Max. pumping speed of the vacuum pump 50 Hz ($m^3/h$) | 0.7 $m^3/h$ |
| Max. pumping speed of the vacuum pump 60 Hz (cfm) | 0.5 cfm |
| Ultimate vacuum | 150 mbar / 112 torr |
| Number of heads | 1 |
| Number of stages | 1 |
| Vacuum controller | Touchpanel |
| Collection bottle | 4l Polypropylene |
| Permissible ambient temperature range (operation) | 10 - 40 °C |
| Permissible ambient temperature range (storage) | -10 - 60 °C |
| Max. outlet pressure (abs.) | 1.1 bar |
| Inlet connection | Suction controller |
| Outlet connection | Hose nozzle DN 8 mm / silencer |
| Rated motor power | 0.04 kW |
| Rated speed 50/60 Hz | 1500/1800 $min^{-1}$ |
| Protection class IEC 60529 | IP 40 |
| Dimensions (L x W x H) | 408 mm x 194 mm x 500 mm |
| Weight | 7.7 kg |
| Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®) | 49 dBA |
| NRTL certification | No |

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## Dimension sheet







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VACUUBRAND

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With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

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