

# Chemistry pumping unit PC 201 NT

[Link to the website](#)



## Product description

This chemistry pumping unit has a wide range of applications like evacuation, evaporation and pumping of gases and vapors in chemical, biological and pharmaceutical laboratories. Typical applications are rotary evaporators, vacuum concentrators and vacuum drying ovens with high boiling solvents. The manual flow control valve regulates the effective pumping speed at the vacuum connection; the vacuum manometer offers an analog vacuum display. The separator at the inlet (AK), made of glass with a protective coating, retains particles and liquid droplets. The exhaust waste vapor condenser enables near-100-percent solvent recovery.

## Performance features

- outstanding chemical resistance and superior vapor tolerance
- exceptionally high performance even at low vacuum
- excellent ultimate vacuum even with gas ballast
- manual vacuum control, analog vacuum display
- excellent environmental friendliness due to efficient solvent recovery

## Ordering data

| Product name | Nominal mains voltage   mains frequency | Plug type | Articleno. |
|--------------|---|-----------|------------|
| PC 201 NT    | 230 V   50-60 Hz                        | CEE       | 20737000   |
| PC 201 NT    | 100-115 V   50-60 Hz<br>120 V   60 Hz   | US        | 20737003   |

## Items supplied

Pumping unit completely mounted, ready for use, with manual.

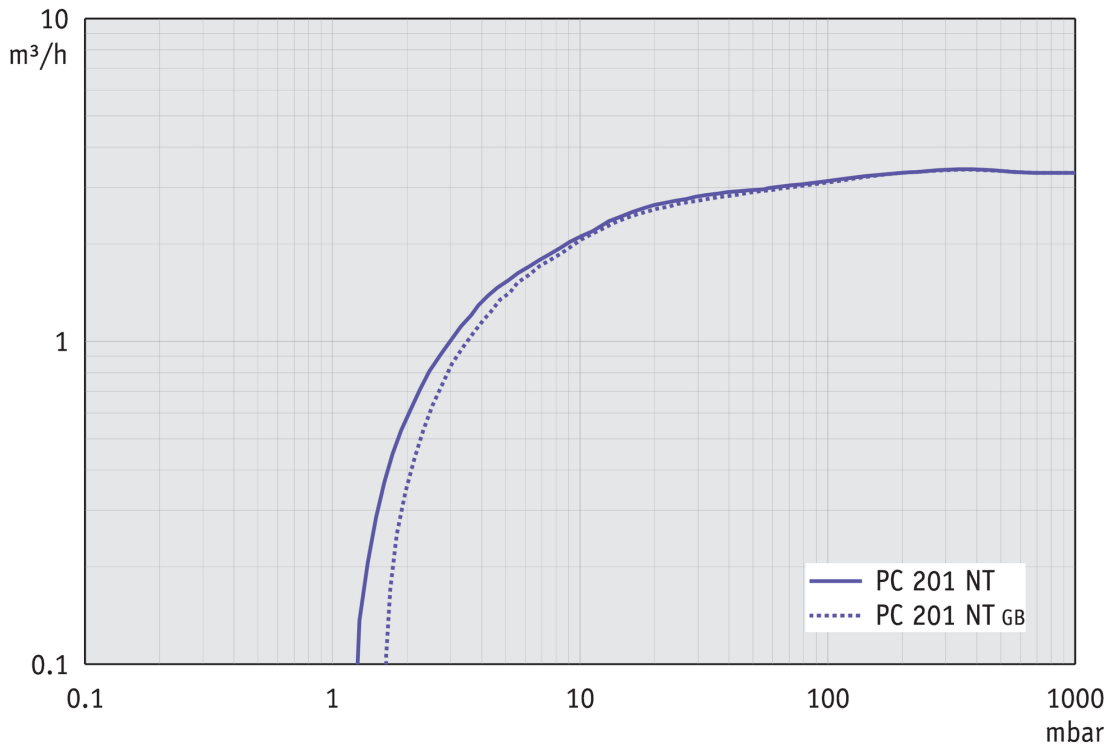
## Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- VACUU-LAN® module Einstellwinkel 90° (20637873)
- Rubber vacuum tubing DN 8 mm (20686001)

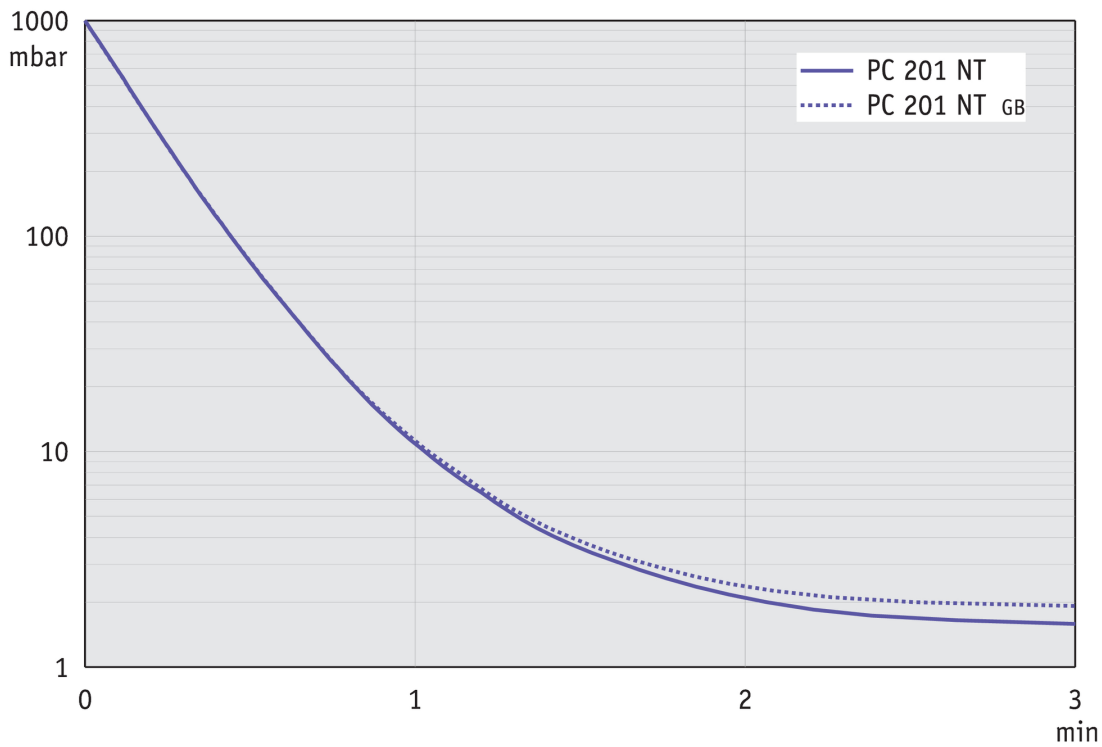
## Technical data

|  |  |
|--|--|
| Max. pumping speed 50 Hz (mbar)  | 3.4 m <sup>3</sup> /h                        |
| Max. pumping speed 60 Hz (cfm)   | 2.2 cfm                                      |
| Ultimate vacuum  | 1.5 mbar / 1.1 torr                          |
| Ultimate vacuum with gas ballast   | 3 mbar / 2.2 torr                            |
| Number of heads  | 4  |
| Number of stages   | 3  |
| Vacuum controller  | Manometer                                    |
| 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   | Hose nozzle DN 8-10 mm                       |
| Outlet connection  | Hose nozzle DN 8-10 mm                       |
| Coolant connection   | 2 x hose nozzle DN 6-8 mm                    |
| Rated motor power  | 0.25 kW                                      |
| Rated speed 50/60 Hz   | 1500/1800 min <sup>-1</sup>                  |
| Protection class IEC 60529   | IP 40  |
| Dimensions (L x W x H)   | 326 mm x 243 mm x 402 mm                     |
| Weight   | 17.5 kg                                      |
| Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®) | 45 dBA                                       |
| ATEX conformity  | II 3/- G Ex h IIC T3 Gc X Internal Atm. only |
| NRTL certification   | Yes  |

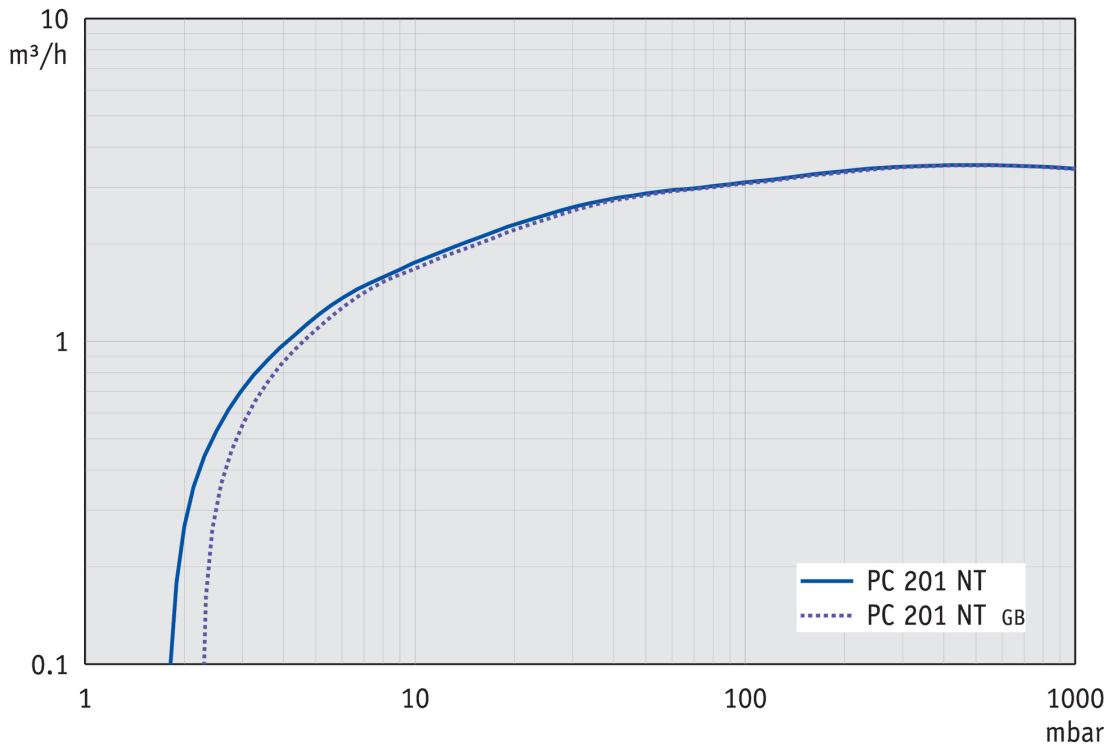
Pumping speed graph at 50 Hz



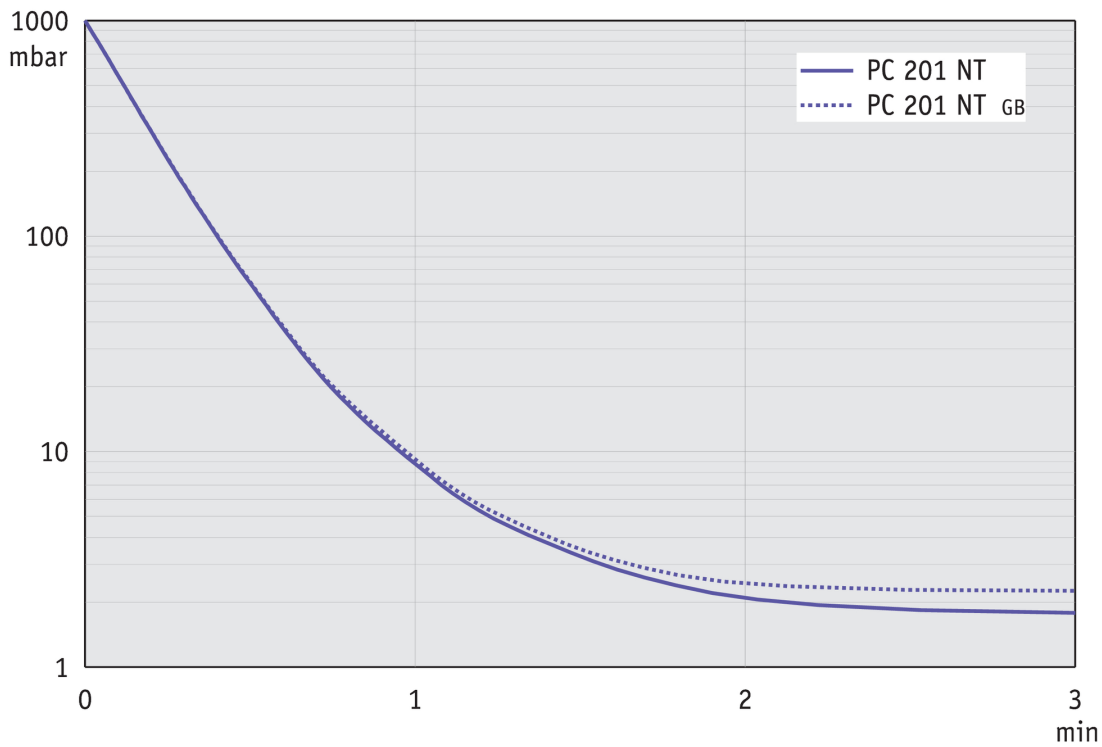
Pump down graph at 50 Hz (10 l volume)



Pumping speed graph at 60 Hz



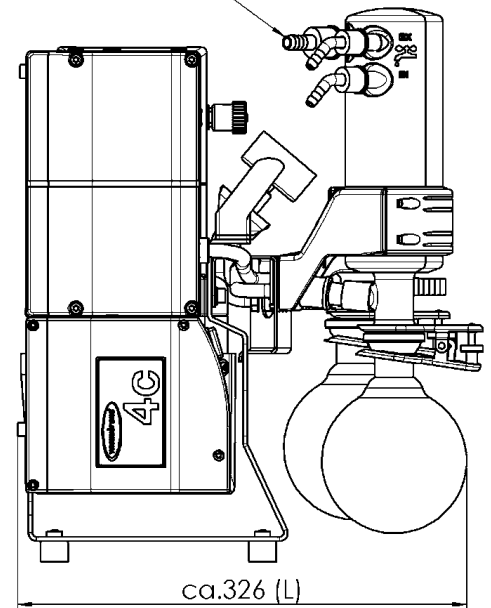
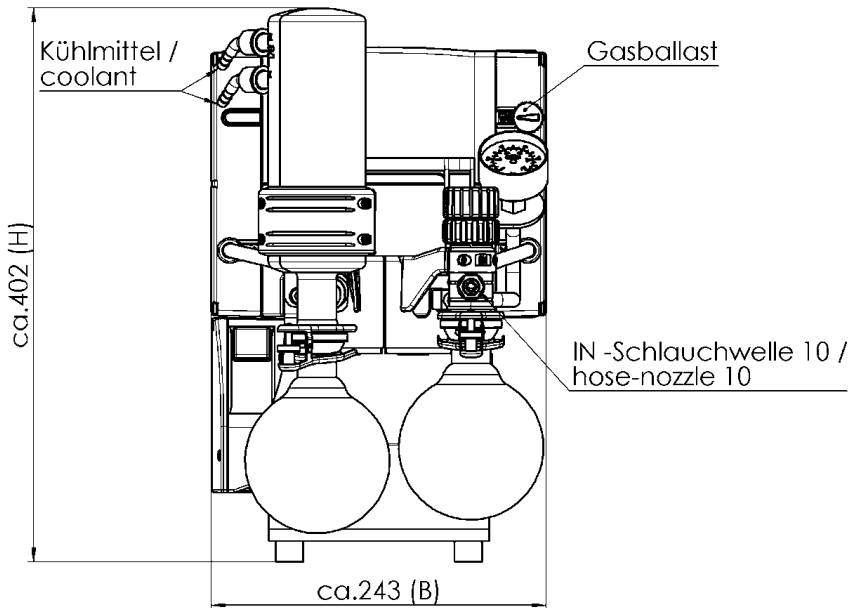
Pump down graph at 60 Hz (10 l volume)



Dimension sheet



EX - Schlauchwelle 10 /  
hose-nozzle 10



Alle Maße / all dimensions (mm)  
Gewicht / weight: 17,5 kg

VACUUBRAND PC 201 NT  
Version 2016/05/11

VACUUBRAND GMBH + CO KG  
P.O. Box 1664  
97877 Wertheim  
T +49 9342 808 5550  
F +49 9342 808 5555

info@vacuubrand.com  
www.vacuubrand.com

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BRAND (Shanghai) Trading Co., Ltd.  
Shanghai, China

T +86 21 6422 2318  
info@brand.com.cn  
china.brand.com.cn

BRAND Scientific Equipment Pvt. Ltd.  
Mumbai, India

T +91 22 42957790  
customersupport@brand.co.in  
www.brand.co.in

BRANDTECH® Scientific, Inc.  
Essex, CT. United States of America

T +1 860 767 2562  
info@brandtech.com  
www.brandtech.com