Dissolver DISPERMAT® CN with digital speed, torque and product temperature indication. Product volume: 500 ml - 40 litres

Innovation: the dissolver can be used as bead mill, basket mill, vacuum dissolver, homogenizer and dissolver for high viscosity substances

Dissolver	Product volume	Speed	Torque	Power	Stand	Weight
Dissolver DISPERMAT® CN10	0,5 - 10 litres	0 - 11000 rpm	1,8 Nm	1,1 kW	H2G	90 kg
Dissolver DISPERMAT® CN20	0,5 - 20 litres	0 - 11000 rpm	3,6 Nm	2,2 kW	H2G	110 kg
Dissolver DISPERMAT® CN30	0,5 - 20 litres	0 - 5500 rpm	3,6 Nm	1,1 kW	H2G	90 kg
Dissolver DISPERMAT® CN40	0,5 - 40 litres	0 - 5500 rpm	7,2 Nm	2,2 kW	H2G	110 kg

▢ = Laboratory & pilot plant dissolvers   ▢ = Production dissolvers

Product volumes are based on medium viscosity. The actual volume may differ depending on the flow behaviour of the product. All instruments can be supplied with different working voltages.

Dissolver with digital display for speed, torque, product temperature and timer

DISPERMAT®CN is a dissolver for laboratory and pilot plant applications. The compact drive unit not only contains the strong three phase motor and separately driven low noise ventilation, but also has the power electronics built into the motor. The height can be adjusted electrically by means of the decently designed H2L compact stand. A separate electronics enclosure is not required. The DISPERMAT® CN can be connected directly to the power supply.

DISPERMAT® CN is fitted with the safety device as a standard. The central clamping system – part of the safety device – makes it safe and simple to hold the dispersion container securely in position. The container is placed on the laboratory bench between the clamping arms and is automatically centered as the arms are tightened.

The control panel has a digital display allowing the operator to switch between values for speed, torque or time. In addition the dispersion time can be preset. The safety device functions are also indicated on the digital display.

The DISPERMAT® CN is fitted with the CN-control. The most important features in general:

- Digital speed and torque indication
- Timer
- Digital product temperature indication
- Innovative height adjustment H1, H2, Ha

DISPERMAT® CN-control
Comparison of controls

Laboratory and pilot plant dissolver DISPERMAT® CN with electrical height adjustment

The dissolver DISPRMAT® CN is fitted with the electronic stand H2L. For detailed information about the innovative height adjustment move the mouse to the red points Ha, H1 and H2 in the picture.
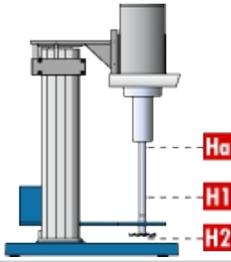
Stand height min.	820 mm
Stand height max.	1290 mm
Stand depth	550 mm
Stand width	490 mm
Container diameter	50 - 350 mm
Container height max.	450 mm
Height adjustment	electrical

Accessories for the dissolver DISPERMAT® CN
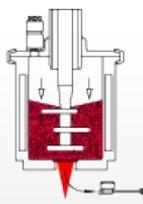
Modular dispersion and milling systems

Innovation made in Germany: Convert the DISPERMAT® CN dissolver into a vacuum dissolver, a homogenizer, a closed vertical bead mill, a closed vertical basket mill and a dissolver for very high viscosity and non-flowing substances.
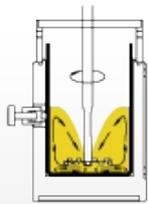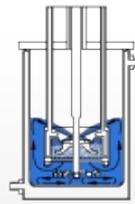
Vacuum dissolver with CDS-system

Homogenizer with rotor-stator SR

Bead mill with milling system APS

Basket mill with milling system TML

Scraper ASC for high viscosity products

Dispersion containers and dissolver discs

Dissolver	Dispersion containers	Dissolver discs
Dissolver DISPERMAT® CN10	1 - 15 litres	Ø = 40 - 150 mm
Dissolver DISPERMAT® CN20	1 - 25 litres	Ø = 40 - 175 mm
Dissolver DISPERMAT® CN30	2 - 35 litres	Ø = 80 - 175 mm
Dissolver DISPERMAT® CN40	2 - 50 litres	Ø = 80 - 200 mm
Accessories for dissolvers	Dispersion containers	Dissolver discs

HINT: The bead mills APS and TML are also available for smallest beads as well as in ceramic versions (e.g. SiSiC or ZrO2). The milling system TML can be delivered for vacuum operation. In order to guarantee a perfect dispersion even with very high viscosity substances the milling system TML can be combined with the scraper ASC.