

DISPERMAT® R30

Small powerful laboratory mixer for product volumes of up to 12 litres

Stirrers with stainless steel working platform and integrated power electronics

The R30 has a quiet high torque motor making it ideally suited to mixing, homogenizing and suspending application even at high-viscosity. Depending on the application there is a wide selection of mixing tools available including butterfly blades, dissolver discs, 3 arm blades, etc.

The R30 mixer has a simple container clamping device and an electric stand to move the motor up and down.

The conveniently located stainless steel control panel has a digital speed display as well as the speed control, switches for height adjustment and power on/off.

A separate switchgear cabinet is not required since the power electronics is integrated in the control housing.

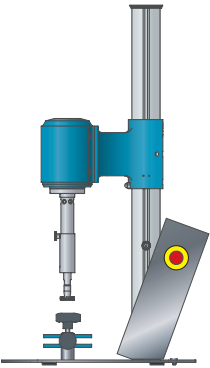
- ACCESSORIES CDS**
Flexible. Powerful. Innovative.
- ATEX ZONE 2**
Option: explosion-protection according to 2014/34/EU
- HEIGHT ADJUSTMENT ELECTRIC**
Easy handling, functional design
- HIGH VISCOSITY PRODUCTS**
dispersing highly viscous substances
- MADE IN GERMANY SINCE 1972**
Quality, precision and durable technology

Selection aid:

- Product volume and viscosity
- Refer to page 22 for the container size and the dissolver disc diameter

R – technology

- **Electric height adjustment**
switch for electric height adjustment
- **On/Off switch**
- **Digital display**
digital display of the speed
- **Speed adjustment**
infinitely variable speed adjustment from 0 to 4000 rpm



DISPERMAT® R30 H1B STAND	
Dimensions W x H x D	62 x 83 x 48 cm
Height adjustment	electric
Container capacity	0.125 - 15 litres
Container clamping range	Ø = 5 - 35 cm
Container height	10 - 38 cm
Weight	37 kg

Low-noise zero maintenance motors with high torque.

Flexible. Powerful. Innovative.
The DISPERMAT® R30 stirrer can be combined with the modular CDS vacuum dispersion system.

Easily replaceable stirring tools:
Butterfly stirrer for high-viscosity fluids.

Working platform of stainless steel.





Electric height adjustment of the drive motor.

Stainless steel control housing with integrated power electronics:
No separate switchgear cabinet required.

A sturdy clamping device can safely fix both smaller and larger dispersion containers.



					+	
DISPERMAT® type	Power kW	Speed rpm	Torque Nm	Product volume litre		CDS vacuum system litre [page 76]
R30	0.3	0 – 4000	2	0.04 – 12		0.1 – 0.7



DISPERMAT® R11

Stirrer / mixer for laboratory and pilot plant with the comfortable CN-technology

Powerful stirrer for mixing, homogenizing, emulsifying and stirring high-viscosity substances

The DISPERMAT® R is a particularly powerful laboratory and pilot plant stirrer. 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 appropriately designed H2L compact stand. DISPERMAT® R models are 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 command housing contains the operator controls as well as a transferable digital display for speed and torque. Furthermore, the dispersion time may be preselected digitally. Also, the function of the safety device is displayed digitally.

CN – technology

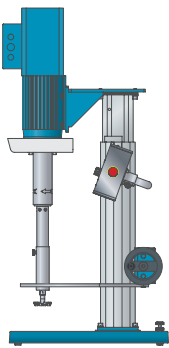


- **DISPERWHEEL® speed adjustment**
infinitely variable speed adjustment with rotary pulse encoder
- **Digital indication**
display for speed, time, torque, product temperature, height of the dispersion tool and safety device
- **Switch off parameters**
switch off function for temperature

- **Timer**
timer function with display of the pre-selected time as well as the elapsed time
- **Height adjustment**
control of the convenient height adjustment of the drive motor via the foil keyboard
- **DISPERSAFE®**
TÜV-certified safety module for convenient use of variable container sizes without limit switches or mechanical contraption.
- **Height measurement**
adjustable working range for different container sizes
- **Foil keyboard**
the splash water protected and solvent-resistant wipe clean foil keyboard allows for a particularly ease of use



- + **ACCESSORIES CDS, ASC**
Flexible. Powerful. Innovative.
- DISPERWHEEL® SPEED ADJUSTMENT
with rotary pulse encoder
- HIGH VISCOSITY PRODUCTS
dispersing highly viscous substances
- HEIGHT ADJUSTMENT ELECTRIC
Easy handling, functional design
- WORK SAFE DIRECTIVE 2006/42/EC
Integrated safety equipment
- DISPERSAFE® TÜV CERTIFIED
safety module (EN ISO 13849-1)
- MADE IN GERMANY SINCE 1972
Quality, precision and durable technology



DISPERMAT® R11 H2L STAND	
Dimensions W x H x D	73 x 145 x 55 cm
Height adjustment	electric
Container capacity	0.25 - 25 litres
Container clamping range	Ø = 5 - 35 cm
Container height	9 - 44 cm
Weight	80 kg

Selection aid:

- Product volume and viscosity
- Refer to page 22 for the container size and the dissolver disc diameter



DISPERMAT® type	Power kW	Speed rpm	Torque Nm	Product volume litre
R11	1.1	0 - 2000	12	0.1 - 20



CDS vacuum system litre [page 76]	ASC scraper system litre [page 90]
0.1 - 18	3.5