



DISPERMAT® LC

Economy class up to 4 kW

Dissolver for dispersion and fine grinding with extensive accessories.

The DISPERMAT® LC is an universal laboratory and pilot plant dissolver which is characterised by its wide power range, making it suitable for small as well as larger product quantities.

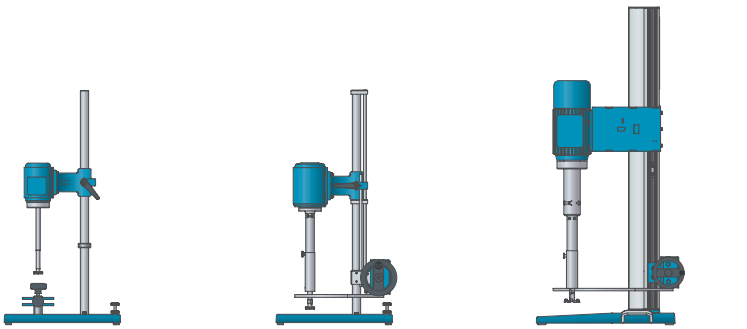
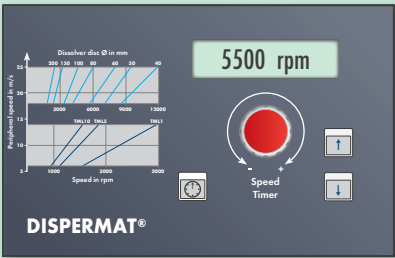
The newly designed control panel with a stainless steel housing, foil keyboard and with a digital speed indication and a user-friendly timer function with digital indication of the pre-adjusted as well as the elapsed dispersion time.

The high quality motor is quiet running even at a high-speed. Starting with the DISPERMAT® LC55 the dissolvers are fitted with a safety device in accordance with the machine directive 2006/42/EC providing highest safety in the workplace.

The DISPERMAT® LC dissolvers are economic entry level dissolvers with a high performance range in the proven VMA-GETZMANN quality.

LC – technology

- **Speed adjustment**
infinitely variable speed adjustment by advanced frequency converters
- **Timer**
timer function with display of the pre-selected time as well as the elapsed time
- **Electric height adjustment**
starting with the DISPERMAT® LC110 the LC foil keyboard comes with convenient electric height adjustment for the drive motor
- **Foil keyboard**
the splash water protected and solvent-resistant wipe clean foil keyboard allows for a particularly ease of use
- **Digital indication**
display for speed, time and safety device
- **Diagram**
the diagram shows the recommended dissolver disc diameter as a function of the tip speed and shaft speed



	DISPERMAT® LC30 H1 STAND	DISPERMAT® LC55 - LC75 H1 STAND	DISPERMAT® LC110-12 - LC220-6 H2BT STAND
Dimensions W x H x D	42 x 87 x 42 cm	52 x 86 x 42 cm	73 x 130 x 61 cm
Height adjustment	mechanical	mechanical	electric
Container capacity	0.125 – 10 litres	0.125 – 10 litres	0.125 – 25 litres
Container clamping range	Ø = 3 – 25 cm	Ø = 4 – 25 cm	Ø = 5 – 35 cm
Container height	10 – 46 cm	5 – 44 cm	7 – 44 cm
Container clamping system	FHV*	ZBS**	ZBS**
Safety device	—	●	●
Weight	23 kg	36 kg	85 kg

*FHV: clamping device
**ZBS: central container clamping device

DISPERMAT® LC30 – LC75

- + ACCESSORIES APS, TML, CDS, SR
Flexible. Powerful. Innovative.
- WORK SAFE DIRECTIVE 2006/42/EC
Integrated safety equipment
- MADE IN GERMANY SINCE 1972
Quality, precision and durable technology



DISPERMAT® LC55 – LC75 with safety device

DISPERMAT® LC30 dissolvers up to DISPERMAT® LC75

The DISPERMAT® LC30 – LC75 laboratory dissolvers are particularly powerful and economic entry level dissolvers for dispersing, homogenizing, stirring, emulsifying, suspending and fine grinding purposes.

The adaptive turn sensitive speed control is used to adjust the motor speed from 0 to 20000 rpm.

The DISPERMAT® LC30 dissolver is fitted with easy to use container clamping arms. Starting with the DISPERMAT® LC55 the LC range comes with the comfortable ZBS central clamping device.

The dispersion container is placed between the clamping arms and is automatically centred and clamped by the device.

The polished stand rods ensure that the manual height adjustment is simple and very smooth to operate. The quiet running motors used for the LC30 – LC75 laboratory dissolvers do not require separate ventilation as any heat generated during operation is dissipated safely via the surface of the motor housing. This guarantees that the motors run very quietly even at high-speed.



DISPERMAT® LC30



DISPERMAT® type	Power kW	Speed rpm	Torque Nm	Product volume, litre		
				low-viscosity	medium-viscosity	high-viscosity
LC30	0.3	0 – 20000	0.4	0.05 – 3	0.05 – 1	0.05 – 0.5
LC55	0.55	0 – 20000	0.6	0.05 – 5	0.05 – 3	0.05 – 1.5
LC75	0.75	0 – 20000	0.8	0.05 – 7	0.05 – 5	0.05 – 2.5
LCP75	0.75	0 – 12000	1.3	0.05 – 7	0.05 – 7	0.05 – 4



APS bead mill litre [page 146]	TML basket mill litre [page 148]	CDS vacuum system litre [page 76]	SR rotor-stator litre [page 104]
0.01 – 0.1	—	—	0.5 – 5
0.01 – 0.2	0.25 – 1.4	0.1 – 0.7	0.5 – 5
0.01 – 0.5	0.25 – 1.4	0.1 – 0.7	0.5 – 5
0.01 – 0.5	0.25 – 1.4	0.1 – 0.7	0.5 – 5