

DISPERMAT® AE

Powerful dissolver up to 7.5 kW
with extensive process control

Dissolvers for reproducible dispersions in laboratory, pilot plant and production.

The popular and innovative DISPERMAT® AE dissolvers for laboratory, pilot plant and production are now available with a motor power up to 7.5 kW.

The operator has easy access to all of the machine controls on the control panel mounted conveniently on the machine stand.

The electric height adjustment as well as the control panel provides access to the complete control dispersion processes. Due to its process control the DISPERMAT® provides information about dispersion and milling processes.

DISPERMAT® pilot plant and production dissolvers with motors of 3 kW and larger are now equipped with one of the ergonomical stands of the H2SF/H3S-series. These functional and robust stands are equipped with an integrated safety device and an electric height adjustment. The stands are available in a table and a floor version.

The central clamping system is height adjustable and allows the application of the versatile modular accessories.

C – technology



- **DISPERWHEEL® speed adjustment**
infinitely variable speed adjustment with rotary pulse encoder
- **Large color display**
indications of speed, torque, power, product temperature, timer, peripheral speed and height of the dispersing tool

- **Repeatability**
dispersion method: constant speed or constant mechanical power input for optimum repeatability, temperature-based dispersing
- **Data recording**
recording of the process parameters with graphical indication
- **Switch off parameters**
switch off function for temperature, speed, torque and power
- **Database**
100 individual PRESET configurations for H1, H2, speed, time, switch off parameters, ramp function, etc.
- **DISPERSAFE®**
TÜV-certified safety module for convenient use of variable container sizes without limit switches or mechanical contraption.
- **Power compensation**
net power calibration
- **Height measurement**
adjustable working range for different container sizes
- **Connectivity**
USB, Wi-Fi, LAN

DISPERMAT® AE01 – AE0

DISPERMAT® AE01 – AE06 dissolver

The DISPERMAT® AE01 to AE06 dissolvers are well proven classical laboratory dissolvers which are ideally suited for dispersing both very small product volumes and larger formulations.

The high quality control system provides comprehensive data relating to the dispersion process and especially suitable not only for quality assurance but also for research and development assignments. The modular range of accessories ensure that the AE dissolvers are suitable for a wide variety of applications.

- **ACCESSORIES** APS, TML, CDS, SR, ASC, TMS
Flexible. Powerful. Innovative.
- **PROCESS CONTROL C-TECHNOLOGY**
Repeatable dispersion results
- **DISPERWHEEL® SPEED ADJUSTMENT**
with rotary pulse encoder
- **DISPERSAFE® TÜV CERTIFIED**
Safety module (EN ISO 13849-1)
- **HEIGHT ADJUSTMENT ELECTRIC**
Easy handling, functional design
- **WORK SAFE DIRECTIVE 2006/42/EC**
Integrated safety equipment
- **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

DISPERMAT® type	Power kW	Speed rpm	Torque Nm	Product volume, litre			Accessories				
				low-viscosity	medium-viscosity	high-viscosity	APS bead mill litre [page 146]	TML basket mill litre [page 148]	CDS vacuum system litre [page 76]	SR rotor-stator litre [page 104]	ASC scraper system litre [page 90]
AE01	0.55	0 - 10000	1.8	0.25 - 12	0.25 - 6	0.25 - 3	0.01 - 0.5	0.25 - 1.4	0.1 - 2.1	0.5 - 1.5	3.5
AE02	0.55	0 - 6000	1.8	0.5 - 14	0.5 - 7	0.5 - 3.5	0.03 - 0.5	0.25 - 3.5	0.1 - 2.1	0.5 - 1.5	3.5
AE03	1.5	0 - 10000	2.5	0.25 - 20	0.25 - 10	0.25 - 5	0.03 - 0.5	0.25 - 3.5	0.1 - 1.8	0.5 - 1.5	3.5
AE04	2.5	0 - 10000	4	0.25 - 20	0.25 - 15	0.25 - 7.5	0.03 - 1.5	0.25 - 11	0.1 - 1.8	0.5 - 1.5	3.5
AE05	1.5	0 - 6000	5	0.5 - 20	0.5 - 15	0.5 - 7.5	0.03 - 0.5	0.25 - 3.5	0.1 - 1.8	0.5 - 1.5	3.5
AE06	2.6	0 - 6000	8.3	0.5 - 20	0.5 - 20	0.5 - 10	0.03 - 2	0.25 - 11	0.1 - 1.8	0.5 - 1.5	3.5