VERTICAL **BEAD AND BASKET MILLS**



APS bead mill

Bead mill accessory for DISPERMAT[®] dissolvers **Optional:** Nano, ceramic, pressure and vacuum design



Dispersing and fine grinding with one device: the APS bead mill accessory

In combination with an APS milling system, a DISPERMAT[®] laboratory dissolver changes into a closed batch bead mill. The system is easily adapted to the corresponding dissolver via the dissolver shaft or the adapter flange. The DISPERMAT[®] can be used as a dissolver or as well as a bead mill.

Bead mill APS

environmentally friendly and efficient milling technology

- easy to use milling systems
- dispersion in a closed system
- low energy consumption • simple and secure handling
- fast change of milling beads
- very easy-to-clean

The following APS bead mill designs are available:

APS bead mill

Standard design for the use of milling beads from 0.5 mm Option: Nano, ceramic, pressure and vacuum design

APS nano bead mill

Nano bead mill for the use of small milling beads from 0.1 mm Option: Vacuum, pressure, ceramic design

APS ceramic bead mill [F]

The milling disc, separating screen and containers are available as SiSiC or ZrO2 ceramic. Option: Nano, pressure and vacuum design

APS vacuum bead mill

Fine grinding in a completely closed system under vacuum Option: Nano, ceramic design

APS pressure bead mill

Adaptable bead mill, designed for applications under pressure Option: Nano, ceramic design







The APS milling system can easily be fitted to the DISPERMAT® laboratory dissolver. It is filled with the appropriate quantity of millbase. The milling tool is lowered.



APS bead mill type	Container capacity ml	Product volume ml	Milling beads approx ml	Recommended milling tools type [page 56]	Recommended DISPERMAT® dissolver type
APS 30	30	8 - 12	12	EMS T20	LC30 - LC110-12 CV-PLUS CN10 - CN20 CA AE01 LC25-EX - LC75-EX AE01-EX
APS 50	50	10 - 20	20	DMS 28	LC30 - LC110-12 CV-PLUS CN10 - CN20 CA AE01 LC25-EX - LC75-EX AE01-EX
APS 125	125	30 - 50	50	EMS T30, MICRO, DMS32	LC30 - LC220-6 CV-PLUS CN10 - CN40 CA AE01 - AE06 LC25-EX - LC75-EX AE01-EX - AE06-EX
APS 250	250	50 - 100	100	EMS T45, MINI, DMS 45	LC30 - LC220-6 CV-PLUS CN10 - CN40 CA AE01 - AE06 LC25-EX - LC75-EX AE01-EX - AE06-EX
APS 500	500	100 - 200	200	EMS T60, MC 25, DMS 60	LC55 - LC400 CV-PLUS CN10 - CN60 CA AE01 - AE08 LC55-EX - LC75-EX AE01-EX - AE08-EX
APS 1000	1000	200 - 500	400	EMS T75, DMS 70	LC75 - LC400 CV-PLUS CN10 - CN80 CA40 - CA60 AE01 - AE10 LC75-EX AE01-EX - AE10-EX
APS 3000	3000	500 - 1500	1200	EMS T90, DMS 100	LC220-12 - LC400 CN20, CN40 - CN100 AE04, AE06 - AE12 AE04-EX, AE06-EX - AE12-EX
APS 5000	5000	1500 - 2000	2000	DMS 130	LC300 - LC400 CN50 - CN100 AE06 - AE12 AE06-EX - AE12-EX
APS 7000	7000	2000 - 3500	2800	DMS 150	CN80 - CN100 AE10 - AE12 AE10-EX - AE12-EX











The sliding cover is lowered to seal the milling container. The millbase is then dispersed. The cover can be easily raised for taking samples during the dispersion process. [G]



On completion of the dispersion process, the sieve sealing plug is removed and the milling container is discharged with assistance of compressed air. The milling container is flushed with a suitable cleaning fluid.