



M 20 Universal mill

Batch mill suitable for dry grinding of hard and brittle substances.

- Double-walled grinding chamber can be cooled with water through two hose adapters
- Removable grinding chamber, easy to clean
- Two grinding chambers can be alternately operated using one drive
- M 21 blade incl. with delivery

Accessories: M 21 Spare cutter, stainless steel, M 20.1 Grinding chamber, M 23 Star-shaped cutter, M 22 Hard metal cutter

Technical Data

| | |
|---|------------------------|
| Process type | batch |
| Operating principle | cutting/impact |
| Motor rating input [W] | 440 |
| Motor rating output [W] | 225 |
| Speed max. [1/min] | 20000 |
| Circumferential speed max. [m/s] | 72 |
| Usable volume max. [ml] | 250 |
| Feed hardness max. [Mohs] | 5 |
| Feed grain size max. [mm] | 7 |
| Material beater/cutter | stainless steel 1.4034 |
| Material milling chamber | stainless steel 1.4301 |
| Power-on time ON [min] | 7 |
| Power-on time OFF [min] | 10 |
| Milling chamber, can be cooled with water | yes |
| Mill feed can be cooled in milling chamber with dry ice | yes |
| Mill feed can be cooled in milling chamber with liquid nitrogen | no |
| Dimensions (W x H x D) [mm] | 170 x 350 x 170 |
| Weight [kg] | 6.6 |
| Permissible ambient temperature [°C] | 5 - 40 |
| Permissible relative moisture [%] | 80 |
| Protection class according to DIN EN 60529 | IP 21 |
| RS 232 interface | no |
| Analog output | no |
| Voltage [V] | 230 / 115 |
| Frequency [Hz] | 50/60 |
| Power input [W] | 440 |
| Ident. No. | 1603603 |