

# Universal Laboratory Sifter.

MLUA



# Universal Laboratory Sifter.

## For milling and brewery applications.



Laboratory sifter for milling applications



Laboratory sifter for brewery applications according to EBC & MEBAK guidelines

**The Bühler MLUA laboratory sifter has been designed for quick and easy particle size determination of intermediate and end products in grain mills and breweries.**

This laboratory sifter supplies reliable and reproducible analysis results for monitoring the quality of roller mills and hammer mills. The unit is applied for process fine-tuning and assurance of end product quality.

The laboratory sifter is of modular design, easy to use and clean. It consists of a rugged housing with integrated drive, a control unit, stainless steel sieve sets, and an easy-to-use sieve tensioning device. Three speeds can be selected, and the sieving time can be set as required.

Standard sieve sets are available for milling and brewery applications. Customized sieve sets are available upon request.

### Your benefits

- Quick and easy particle size determination
- Selection of any required sieve and bottom frame configurations
- Secure sieve clamping with easy-to-use tensioning device
- Fulfills EBC and MEBAK brewery guidelines

# Standard Milling and Brewery Sieve Sets.

## The suitable sieve at all times.



Standard sieve set for milling applications



Standard sieve set for brewery applications according to MEBAK and EBC

Standard sieve sets are available for break stocks, flour, semolina, and grits. Additional mesh sizes are available upon request. The sieve configuration can be selected as required. The sieves are cleaned off by a chain. In all, 12 sieves or collection trays fit the laboratory sifter.

A standard sieve set is available for detailed analysis of roller mill and hammer mill grits. The sieves are cleaned off by balls or cubes. In all, 6 sieves or collection trays fit the laboratory sifter.

### Sieve sets

|               | Sieve sets for milling applications<br>Sieve diameter 260 mm |               |                              |               |                               |               | Sieve set for brewery applications<br>Sieve diameter 260 mm |               |  |
|---------------|--|---------------|------------------------------|---------------|-------------------------------|---------------|---|---------------|--|
| No. of sieves | Flour and break stocks                                       |               | Semolina                     |               | Corn/maize grits and semolina |               | Grist (acc. to MEBAK; EBC)                                  |               |  |
|               | Mesh width mm  | Wire gauge mm | Mesh width mm                | Wire gauge mm | Mesh width mm                 | Wire gauge mm | Mesh width mm   | Wire gauge mm |  |
| 1             | 1.400  | 0.400         | 1.120                        | 0.315         | 6.300                         | 1.250         | 1.250   | 0.800         |  |
| 2             | 1.120  | 0.315         | 1.120                        | 0.315         | 5.600                         | 1.250         | 1.000   | 0.630         |  |
| 3             | 1.120  | 0.315         | 0.800                        | 0.250         | 4.750                         | 1.120         | 0.500   | 0.315         |  |
| 4             | 0.710  | 0.200         | 0.710                        | 0.200         | 4.000                         | 1.000         | 0.250   | 0.160         |  |
| 5             | 0.500  | 0.160         | 0.630                        | 0.160         | 3.350                         | 0.800         | 0.125   | 0.080         |  |
| 6             | 0.355  | 0.125         | 0.500                        | 0.160         | 2.800                         | 0.500         |   |               |  |
| 7             | 0.250  | 0.100         | 0.400                        | 0.125         | 1.900                         | 0.500         |   |               |  |
| 8             | 0.180  | 0.080         | 0.355                        | 0.125         | 1.400                         | 0.400         |   |               |  |
| 9             | 0.125  | 0.071         | 0.315                        | 0.100         | 1.000                         | 0.315         |   |               |  |
| 10            | 0.090  | 0.050         | 0.200                        | 0.090         | 0.800                         | 0.250         |   |               |  |
| 11            | 0.063  | 0.050         | 0.125                        | 0.071         | 0.710                         | 0.200         |   |               |  |
| 12            |  |               |                              |               | 0.630                         | 0.160         |   |               |  |
| 13            |  |               |                              |               | 0.500                         | 0.160         |   |               |  |
| 14            |  |               |                              |               | 0.400                         | 0.125         |   |               |  |
| 15            |  |               |                              |               | 0.315                         | 0.100         |   |               |  |
|               | Including 6 collection trays                                 |               | Including 2 collection trays |               | Including 2 collection trays  |               | Including 1 collection tray                                 |               |  |

# Universal Laboratory Sifter.

## Constant sifting time.



Laboratory sifter for milling applications



Laboratory sifter for brewery applications according to EBC & MEBAK guidelines



Easy operation

- Three possible speeds: 160/260/300 rpm
- Sifting time adjustable from 1–15 minutes with automatic stop
- Audible signal when sifting has finished
- The analyses for brewery applications are typically performed at a speed of 300rpm and a sifting time of 5 minutes.

### Technical data

|                    | Speed<br>min <sup>-1</sup> | Sifting time<br>min | Electric connection<br>VAC/Hz |        | Dimensions<br>mm |       |        | Approx. weights<br>kg |             |             | Volume sea freight<br>m <sup>3</sup> |
|--------------------|----------------------------|---------------------|-------------------------------|--------|------------------|-------|--------|-----------------------|-------------|-------------|--------------------------------------|
|                    |                            |                     |                               |        | Length           | Width | Height | Net                   | Air freight | Sea freight |                                      |
| Milling<br>Version | 160 / 260 / 300            | 1–15                | 110/60                        | 230/50 | 530              | 580   | 650    | 75                    | 108         | 128         | 0.46                                 |
| Brewery<br>Version |                            |                     |                               |        |                  |       | 490    | 70                    | 90          | 110         |                                      |

# Order form.

## Customer address

|                   |
|-------------------|
| Company           |
| Contact           |
| Address           |
| Post code / Place |
| Country           |
| Phone             |
| E-Mail            |

## Orders

Bühler AG  
 Grain Processing Customer Service  
 CH-9240 Uzwil, Switzerland  
 T +41 71 955 30 40  
 F +41 71 955 33 05  
 service.gp@buhlergroup.com

### Local Bühler agent

## Specifications

| Description         |                                  | Required configuration  |
|---------------------|----------------------------------|---|
| Laboratory sifter   | Operating voltage                | <input type="checkbox"/> 230 V / 50 Hz<br><input type="checkbox"/> 110 V / 60 Hz  |
| Power supply        | 2 m power supply cable with plug | <input type="checkbox"/> CH<br><input type="checkbox"/> SCHUKO<br><input type="checkbox"/> GB<br><input type="checkbox"/> US & JAPAN<br><input type="checkbox"/> CN<br><input type="checkbox"/> No plug |
| Standard sieve sets | Complete sieve set               | <input type="checkbox"/> Flour and break stocks<br><input type="checkbox"/> Semolina<br><input type="checkbox"/> Corn/maize grits and semolina<br><input type="checkbox"/> Grist (Brewery; MEBAK, EBC)  |

## Additional material for Milling

|  |   |  |
|--|---|--|
| Collection tray  |  | _____ pces.  |
| Empty sieve rings with chain<br>(for covering by customer) |  | _____ pces.  |
| Individual sieves  |  | Upon request, specifying mesh width and wire gauge |

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