



AIR MEBARON® Mechanical Air Filter Device with EC Fan and the New Digital Control

The MEBARON® air filter devices are used to filter emulsion and oil mist on machine tools.

The MEBARON® Technology:

In the integrated air expansion chamber of MEBARON® devices, initial particle separation at the vortex separator occurs.

Thereafter, the pre-filtered air flows through the 3-stage pre-filter package before it is released into the factory environment. Upon request, the MEBARON air filter system can be equipped with an after filter (for example HEPA filter).

MEBARON® devices achieve excellent separation efficiency even at this stage with the pre-filter package.

The main filter can be adapted to the application in question and a separation efficiency of up to 99.95% (with the HEPA filter) can be achieved.

Advantages of MEBARON:

- ✓ Suitable for applications with emulsion and oil
- ✓ ISI-TRONIC as standard
- ✓ Electronically controlled EC fan as standard
- ✓ Speed control and air volume adjustable
- ✓ Filter media in pre-filter package can be completely incinerated
- ✓ Separation efficiency of up to 99.95% (with HEPA filter)
- ✓ Large range of construction and assembly equipment



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ISI-TRONIC – Digital Device Control

All our devices have integrated the new ISI-TRONIC device control, which completely redefines air purification. For the first time, it is possible to display all relevant working parameters, for example, the degree of soiling of the different filter levels, air volume flow or the differential pressure in the filter device in real time. Additionally, you can set the values for the air volume or the control reserve yourself. *

Air performance and the control reserve can be adjusted via the digital interface (by laptop or terminal equipment) and can always be adjusted to your requirements, also when changes in your production processes occur.



*depending on the options chosen



AIR

| Device type MEBARON® | MEB 1 TR | MEB 2 TR |
|--|-------------------------------|-------------------------------|
| Suction performance (m ³ /h) | 300 | 600 |
| Total power consumption (kW) | 0,45 | 0,54 |
| Operating voltage (other voltage available on request) | 230 V, 50/60 Hz, 1PH + N + PE | 230 V, 50/60 Hz, 1PH + N + PE |
| Noise level (db(A)) | 67,5 | 61 |
| Dimensions L/W/H | L 420 / W 392 / H 617,5 | L 540 / W 480 / H 781,5 |
| Weight | 36 kg | 60 kg |
| Colors (other colors on request) | RAL 7035 | RAL 7035 |

