



AIR ELBARON® Electrostatic Air Cleaner System New Generation E-RON

The ELBARON® filter series has been developed specifically for use in processing with pure oil/extraction of oil mist and oil smoke. The high precision Ionizer/Collector Cells specially manufactured in combination with the extremely efficient high voltage transformer have resulted in one of the most efficient electrostatic filter systems on the market.

The electrostatic filter cell is the heart of the ELBARON® filter device. A high voltage field is built up in the Ionizer within the cell to electrically charge the particles that pass through the field. What is important for this high voltage field is a high, stable voltage on the one hand, and the shortest possible distance between the cell plates on the other. The high-tension field and further technical details, for example, consistent air distribution via an integrated air expansion area, allows for the highest possible filtration efficiencies and long service intervals.

Advantages of ELBARON®:

- ✓ Innovative pre-filter system with up to 3 cleanable filter media
- ✓ Mechanical post-filter HEPA 13 with activated carbon filter as option
- ✓ Digital device control ISI-TRONIC as option
- ✓ All devices have an electronically controlled, highly efficient EC driven fans
- ✓ Available as simplex (one cell) or duplex (two cell) variations
- ✓ Available with a variety of air volume performance options
- ✓ Adaptable to pollutant levels and air power requirements
- ✓ A wide range of assembly and connection equipment



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ISI-TRONIC – Digital Device Control

The ISI-TRONIC control device could be integrated as option. 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.



*dépending on the chosen options



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Device type ELBARON®	E-RON 2 D1TR/D2TR	E-RON 2 D1EC/D2EC	E-RON 4 STR	E-RON 4 SEC	E-RON 4 D1TR/D2TR	E-RON 4 D1EC/D2EC
Suction performance (m³/h)	1680	1680	2220	2220	2220	2220
Total power consumption (kW)	0.59	0.59	0.62	0.62	0.62	0.62
Operating voltage (other voltage available on request)	230V, 50/60 Hz, 1 PH + N + PE	230V, 50/60 Hz, 1 PH + N + PE	400V, 50/60 Hz, 3PH + PE	400V, 50/60 Hz, 3PH + PE	400V, 50/60 Hz, 3PH + PE	400V, 50/60 Hz, 3PH + PE
Noise level (db(A))	67	67	65	65	66	66
Dimension L/W/H	1100/345/545	1100/345/545	975/508/545	975/508/545	1160/508/545	1160/508/545
Weight (Kg)	80/89	80/89	90	90	99/111	99/111
Colors (other colors on request)	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035

