

AIR ELBARON®



Electrostatic Air Cleaner System including the New Digital Device Control ISI-TRONIC

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®:

- ✓ Available in 18 different device variations
- ✓ Digital device control ISI-TRONIC in series
- ✓ All devices have an electronically controlled, highly efficient EC driven fans
- ✓ Speed regulation of air flow
- ✓ 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

All our devices have integrated the new ISI-TRONIC control device, 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



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Device type ELBARON®	RON 60 STR	RON 60 D1TR D2TR	RON 100 STR	RON 100 D1TR RON 100 D2 TR	RON 2 STR	RON 2 D1TR RON 2 D2TR
Suction performance (m³/h)	350	350	730	730	open 1650 (Ø150 1130 / Ø200 1420 / Ø250 1550	
Total power consumption (kW)	0,09	0,105	0,11	0,14	0,57	0,57
Operating voltage (other voltage available on request)	230 V, 50/60 Hz, 1PH + N + PE	230 V, 50/60 Hz, 1PH + N + PE	230 V, 50/60 Hz, 1PH + N + PE	230 V, 50/60 Hz, 1PH + N + PE	230 V, 50/60 1PH + N + PE	230 V, 50/60 Hz, 1PH + N + PE
Noise level (db(A))	52	52	54	54	73	73
Dimensions L/W/H	L 329 / W 374 / H 510	L 329 / W 374 / H 703	L 353 / W 542 / H 540	L 353 / W 542 / H 726	L 755 / W 345 / H 595	L 940 / W 345 / H 595
Weight	25 kg	30 / 35 kg	45 kg	54 / 63 kg	60 kg	65 / 74 kg
Colors (other colors on request)	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035

Device type ELBARON®	RON 3 STR	RON 3 D1TR RON 3 D2TR	RON 4 STR	RON 4 D1TR RON 4 D2TR	RON 5 STR RON 5 D1TR RON 5 D2TR
Suction performance (m³/h)	open 2110 (Ø150 1060 / Ø200 1520 / Ø250 1770 / Ø300 1920		open 2500 (Ø 150 1230 / Ø 200 1700 / Ø 250 1960 / Ø 300 2160)		open 3550 (Ø350 3200)
Total power consumption (kW)	0,69	0,69	0,7	0,7	0.88 / 1.14
Operating voltage (other voltage available on request)	400 V, 50/60 Hz, 3Ph+PE	400 V, 50/60 Hz, 3Ph+PE	400 V, 50/60 Hz, 3Ph+PE	400 V, 50/60 Hz, 3Ph+PE	400 V, 50/60 Hz, 3Ph+PE
Noise level (db(A))	71	71	72	72	73
Dimensions L/W/H	L 855 / W 508 / H 595	L 1040 / W 508 / H 595	L 855 / W 508 / H 595	L 1040 / W 508 / H 595	L 1283 / W 1020 / H 595
Weight	74 kg	80 / 92 kg	78 kg	86 / 98 kg	170 / 171 / 195 kg
Colors (other colors on request)	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035

