



ELBARON[®] / ELBARON[®] EC

Electrostatic air filter system for small to very large machine tooling areas



ELBARON[®] / ELBARON[®] EC



ELBARON® / ELBARON® EC

electrostatic air filter system for the filtration of oil mist / emulsion mist and smoke

ELBARON® Technology

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 Ionisator /Collector cells especially manufactured by us in combination with the extremely efficient high voltage transformer and many other well thought out ideas, have resulted in one of the most efficient electrostatic filter systems on the market.

The heart of the **ELBARON® filter device** is the electrostatic filter cell. A high voltage field is built up in the Ionisator within the cell in order to electrically charge the particles that pass through the field. Important for this high voltage field is on the one hand a high, stable voltage and most importantly on the other hand the shortest possible distance between the cell plates. 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.



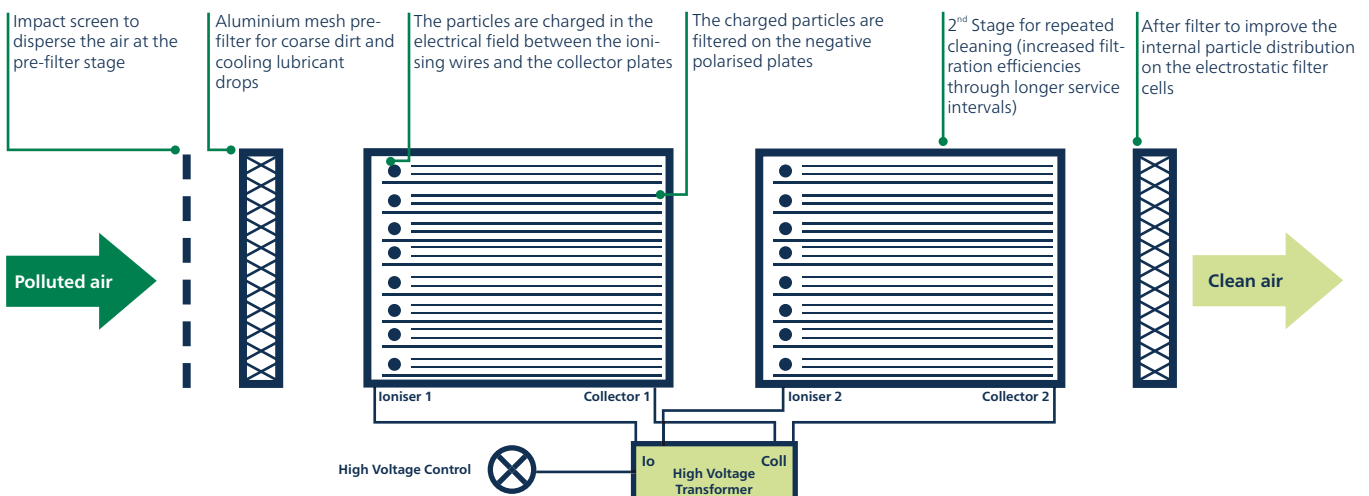
Advantages of ELBARON®

- ▶ Available in 20 different device variations
- ▶ Available as simplex (one cell) or duplex (2 cell) variations
- ▶ Available with a variety of air volume performance options
- ▶ Thus adaptable to pollutant levels and air power requirements
- ▶ Available too with electronically controlled, high efficient EC driven fans
- ▶ The device is completely leak tight due to the special finish of the housing and full surface sealing
- ▶ Integrated air expansion chamber
- ▶ Minimal space requirement due to compact design
- ▶ Highest quality workmanship
- ▶ A variety of evaluation and control possibilities
- ▶ Due to a wide range of assembly and connection equipment, as well as a variety of technical options, **ELBARON®** is adaptable to almost any application / construction situation

The **ELBARON® filter system** has been for years a tried and tested electrostatic filter system and is ten thousand fold in use worldwide.

Functioning of ELBARON®

Electrostatic air filter system example RON/A 2500 DH



Technical Details

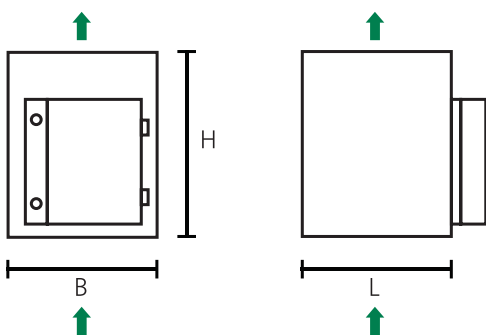
Device Type	RON/A 60 SV	RON/A 60 DV (+retrofitable)	RON/A 100 SV	RON/A 100 DV (+retrofitable)	RON/A 120 SH	RON/A 120 DH (+retrofitable)	RON/A 1500 SH
Suction performance (Filter Device free blowing m ³ /h)	550	550	1200	1200	1300	1300	1720
Total power consumption (kW)	0,328/ 0,380	0,328/ 0,380	0,295/ 0,315	0,295/ 0,315	0,69	0,69	0,75
Operating voltage (other voltage available on request)	230 V, 50/ 60 Hz, 1 Ph+N+PE	230 V, 50/ 60 Hz, 1 Ph+N+PE	230 V, 50/ 60 Hz, 1 Ph+N+PE	230 V, 50/ 60 Hz, 1 Ph+N+PE	400 V, 50Hz, 3 Ph+PE	400 V, 50Hz, 3 Ph+PE	400 V, 50Hz, 3 Ph+PE
Noise level (db(A))	60	60	58	58	65	65	63
Dimensions	L 329/ B 374/ H 445	L 329/ B 374/ H 638	L 353/ B 542/ H 570	L 353/ B 542/ H 756	L 755/ B 345/ H 595	L 940/ B 345/ H 595	L 855/ B 508/ H 595
Colours*	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035

Device Type	RON/A 1500 DH (+retrofitable)	RON/A 2500 SH	RON/A 2500 DH (+retrofitable)	RON 4 SH EC	RON 4 DH EC	RON 5 SH/DH EC
Suction performance (Filter Device free blowing m ³ /h)	1720	2260	2260	2500	2500	3550
Total power consumption (kW)	0,75	1,23	1,23	1,01	1,01	1,18/1,48
Motor Output (kW)	–	–	–	0,52	0,52	0,72
Operating voltage (other voltage available on request)	400 V, 50Hz, 3 Ph+PE	400 V, 50 Hz, 3 Ph+PE	400 V, 50 Hz, 3 Ph+PE	400 V, 50 / 60 Hz, 3 Ph+PE	400 V, 50 / 60 Hz, 3 Ph+PE	400 V, 50 / 60 Hz, 3 Ph+PE
Noise level (db(A))	63	68	68	72	72	73
Dimensions	L 1040/ B 508/ H 595	L 855/ B 508/ H 595	L 1040/ B 508/ H 595	L 855/ B 508 / H 595	L 1040/ B 508/ H595	L1283/ B 1020/ H 595
Colours*	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035	RAL 7035

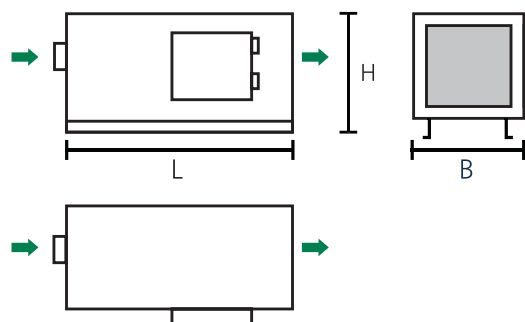
*Other colours available on request.

Technical drawings

ELBARON® RON 60 and RON 100



ELBARON® RON 120 - RON 5000



Version 11/2014, subject to technical changes.