

LENTICULAR MODULES

AEB DISC

Description

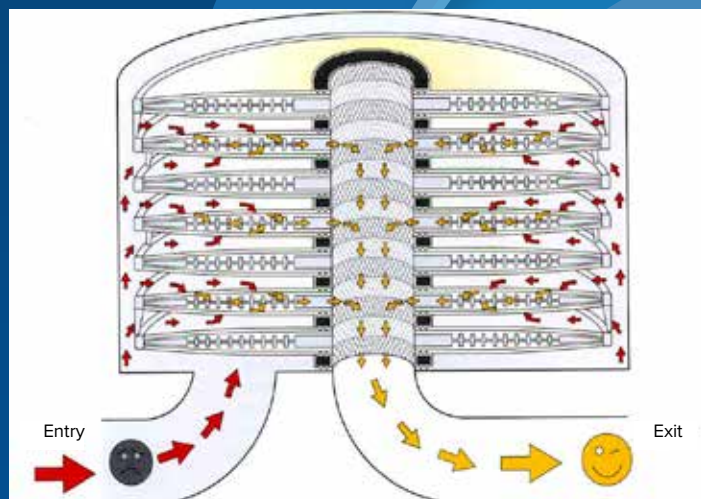
- The AEB lenticular modules offer a compact and hermetically closed solution for the filtration of all industrial liquids, with the time-tested technology of the filtration with filter sheets.
- The AEB lenticular modules depth filter sheets are placed in a polypropylene structure composed by 16 cells with diameter 12" (332 mm) or 16" (410 mm).
- The FDA polypropylene structure has been designed to give the maximum resistance.
- The closing systems of the discs increases the lateral resistance and the rigidity of the entire frame.
- The passage of the liquid is facilitated by wide conducting channels which have the aim to reduce pressure drops inside the filter.
- The AEB lenticular modules offer all the advantages of the traditional sheets, in a totally closed and sterile environment, preventing external contaminations and product losses.
- AEB DISC can be used for a wide range of applications, from the oenological field to the filtration of fruit juices and alimentary liquids and the filtration of pharmaceutical liquids, gelatines, cosmetics and water.

Advantages of AEB DISC

- Easy to be used
- Reduction of replacement times
- Productivity increase
- Complete range of filter sheets
- Air-tight system, ideal in case of critical conditions and risks of possible contaminations
- High rigidity and lateral resistance

The special design of polypropylene discs and sealing rings grant:

- Uniformity in the passage of the liquid
- Reduction of pressure drops in the module
- Longer life of the filter
- Reduction of filtration cycles
- Higher homogeneity in the quality of the filtered product
- Easy adaptability to all lenticular containers on the market, thanks to flat seals and terminal connections with double O-ring

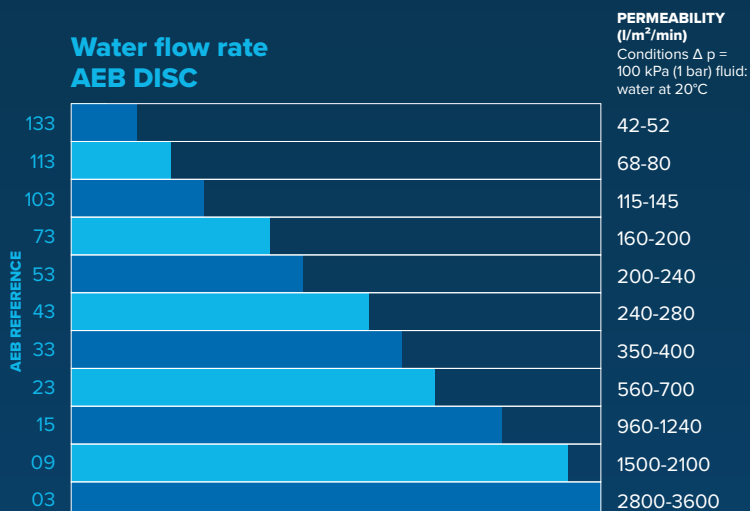


Flow direction

Lenticular modules range

AEB DISC

PRODUCTS	FILTRATION
1 AEB DISC 103 / 113 133	Sterilizing action and reduction of microorganisms
2 AEB DISC 43 / 53 / 73	Reduction of microorganisms and microfiltration
3 AEB DISC 03 / 09 / 15 23 / 33	Coarsening and brightening



Technical information

- The AEB lenticular modules are available with diameter 12" (332 mm) or 16" (410 mm), and the filter surface goes from 1,8 to 3,7 m² per module.
- Each module is generally composed by 16 cells, each consisting in 2 discs or filter lens, shaped around an internal polypropylene shell.
- The external edges of the discs are sealed by an injection-moulded polypropylene ribbon.
- A polyester membrane covers each side of the filter discs in order to protect them during the handling. In case of counter-current washing, pay attention to the differential pressure (max ΔP 0,5 Bar).
- The modules can be placed in single containers or overlaid up to a maximum of 4.
- The end sealing is carried out with a flat gasket or bayonet coupling with double O-ring.

Operating conditions:

- Max operating temperature 80°C
- Max Δp 2,4 bar
- Sterilization with steam at 125°C for 30 min. at 0,3 bar max (43 psid)
- Sanitation with hot water at 80°C for 20 min. (max)