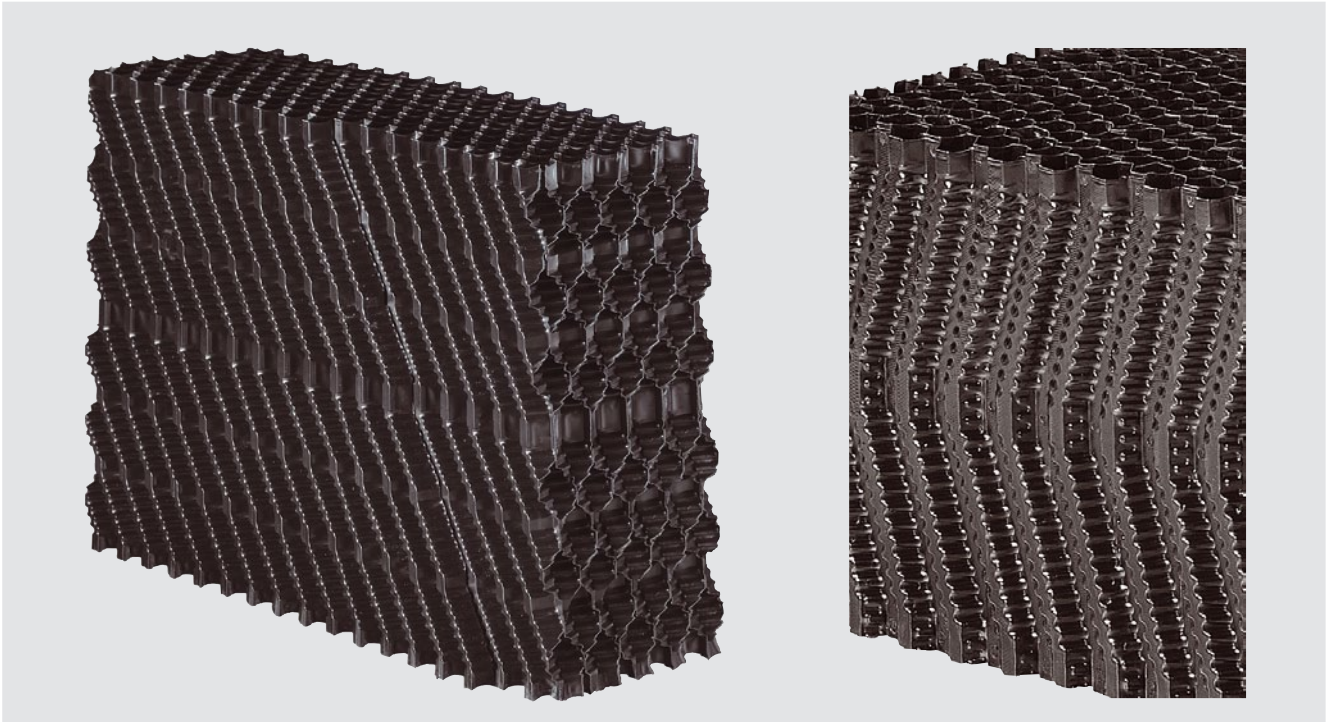
Product Profile

PP-Fills FAP 612/619/627

tubular design



- **Great process characteristics**
  due to high contact surface and channel shape
- **Easy cleaning**
  based on tubular channels
- **High resistance to blockage**
  achieved by open hexagonal channel shape
- **Long service life**
  provided by reinforced edges and chemical, bacterial and UV resistance of PP
- **Self supporting structure**
  high bearing capacity achieved by sheet thickness and reliable welding

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Technical Data

2H Type	FAP 312 FAP 612	FAP 319 FAP 619	FAP 327 FAP 627
Material	PP	PP	PP
Effective surface [m²/m³]	205	140	105
Tube size [mm]	24	38	54
Length [mm]	2300	2300	2300
Width [mm]	300	300	300
Height [mm]	300 / 600	300 / 600	300 / 600
Max. application temp. (short term) [°C]	-10 bis 80	-10 bis 80	-10 bis 80
Specific weight [g/cm³]	1,03 / 1.03	1,03 / 1.03	1,03 / 1.03

Applications

Oil or fat separation	• Improved separation effect • Increased coagulation efficiency • Reduced adhesion of oil particles • Simple cleaning
Nitrification by contact aeration	• Low fouling properties • Mechanically strong, high loading capabilities • Ideal surface properties
Other applications	• Nitrification processes in fish farms • Cleaning of hydrocarbon containing rainwater • Cleaning of refinery effluent • Mineral-, animal-, or vegetable oil processing systems • Fills for scrubbers or odour combating systems

General Remarks

PP-material: Impact-resistant, environmentally friendly. Resistant to rot, fungi and most dissolved chemicals, UV-stabilized.

Max. application temperature: For waste water applications temperatures should not exceed 40 °C. For cooling tower applications the operational temperature should be measured at the inlet pipe of the system and should not exceed the maximum application temperature stated above.

Max. tolerances: On all dimensions +/- 20 mm or 2 %, whichever is the greater. Tighter tolerances by prior agreement.

This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with GEA 2H whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. GEA 2H takes no responsibility for any consequences due to non-compliance with these recommendations.

GEA Heat Exchangers

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