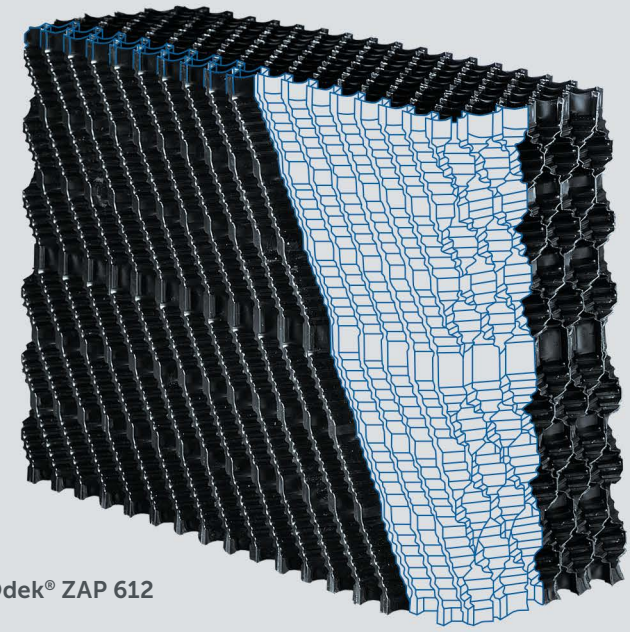
ENERGY.
ENGINEERING.
EXCELLENCE.

2H BIOdek® FILLS WITH TUBULAR DESIGN

For submerged fixed beds and oil separation



2H BIOdek® ZAP 612

2H BIOdek® fills with tubular design are used for biological water treatment and nitrification by contact aeration and for the separation of oil, fat and hydrocarbons.

The fill consists of uniform parallel pipes (tubes) with hexagonal shape. This design makes the 2H BIOdek® FAP specifically resistant to blockage and easy to clean.

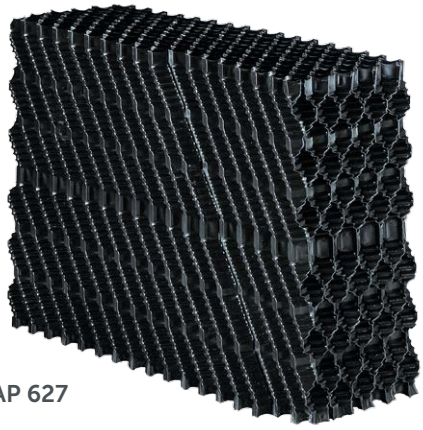
Features of our 2H BIOdek® FAP fills

- 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 non-ageing materials
- High bearing capacity due to freely selectable material thickness

2H BIOdek® fills offer best application properties. Our customers profit from our long years of experience gained in equipping hundreds of plants with our fill media. We will be glad to support you in the design of highly efficient and energy saving plants.

Technical Data	
	PP/PVC
Void ratio	>97 %
Maximum length	2400 mm
Maximum width	600 mm
Standard height	305 or 610 mm
Continuous operating temperature	70 °C
Max. operating temperature (short time)	40 °C

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



2H BIOdek® FAP 627

Types					
Application		Type	Material	Effective surface	Tube size
Submerged fixed bed	Oil, fat and carbon separation			m^2/m^3	mm
BOD reduction in higher load range, unless a vertically structured material is preferred.	Oil with high viscosity and fat	FAP 327/627	PP	105	54
		FAC 327/627	PVC		
Single-stage installations for all BOD process standards, with or without nitrification.	Oil separation	FAP 319/619	PP	140	38
		FAC 319/319	PVC		
Downstream nitrification after complete BOD reduction.	Hydrocarbons	FAP 312/612 ZAP 312/612	PP	205	24
		FAC 312/612 ZAC 312/612	PVC		

PVC material: Unplasticized (uPVC)
PP material: Impact-resistant and environmentally friendly
PVC and PP material: Resistant to rot, fungi and most dissolved chemicals, UV-stabilized
Maximum operating temperature: For waste water applications temperatures should not exceed 40 °C.

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ENEXIO Water Technologies, Germany, is ISO 9001:2008 certified.