

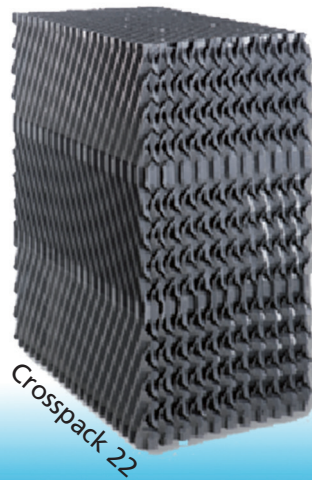
HAMON THERMAL EUROPE



Treatment of wastewater



Effluent distribution



Media support system

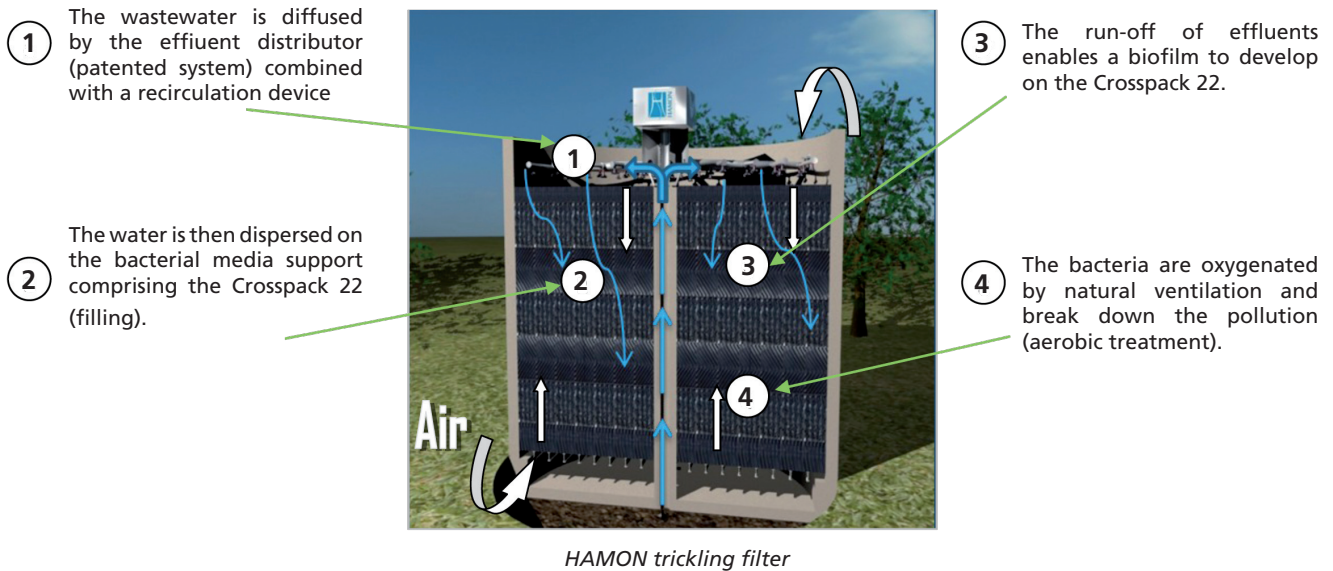
**A comprehensive, effective offering
for your trickling filters**

Water management specialist



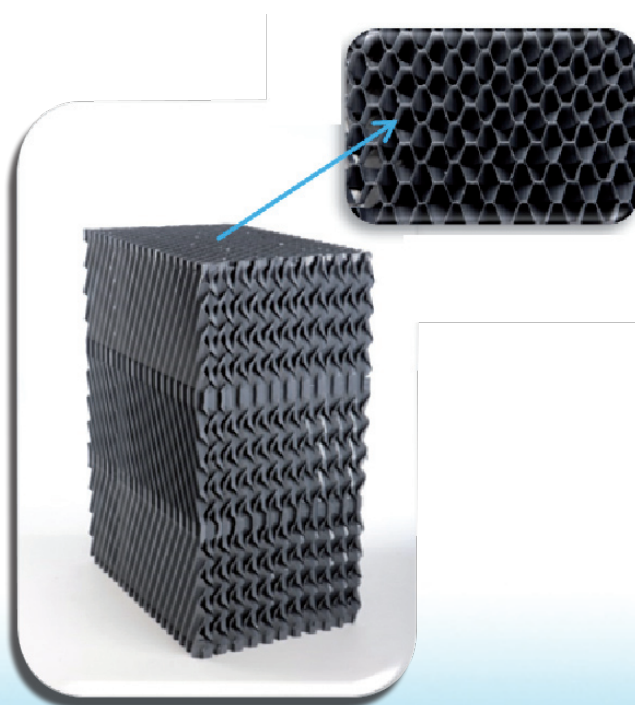
Principle of operation of a Hamon trickling filter

The trickling filter is a biological treatment process for effluents (water to be treated) based on the principle of a fixed culture that can be integrated upstream of a rhizofiltration system. The biofilm develops on a medium (Crosspack 22) irrigated by the effluents to treat.



Bacterial media support: Crosspack 22

Crosspack 22 is a honeycombed structure that comprises the organised support of the trickling filter. It has maximum porosity which makes it insensitive to clogging under normal operation. It is fully constituted by recycled PVC.



CROSSPACK 22, the filling common to all our trickling filters, is used to produce facilities with a high level of biological purification. It is perfectly suitable for all heights and all forms of trickling filters.

Characteristics	
Specific surface	165 m ² /m ³
Standard height	333/666/1000 mm
Dry weight /m ³	23 to 50 kg/m ³
Emptying rate	95%
Biomass	300 kg/m ³ *

* Weight of the effluent biomass, taken into account for the calculation of our trickling filters

Effluent distribution system



The aim of the HAMON distribution system is to combine the same functions as existing systems while retaining only the advantages:



A uniform distribution of effluents

A system that does not consume energy

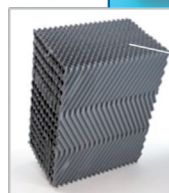
A reliable and effective mechanism



The system contains a central tank and supplies a network of fixed stainless steel tubes, equipped with dispersion assemblies. The distribution system adapts easily to important variations in recirculation flow.

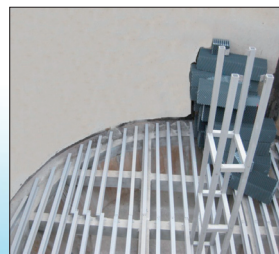
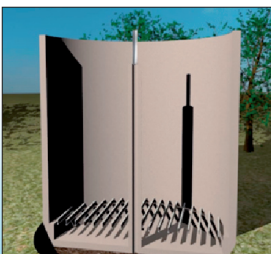
Rehabilitation of existing trickling filters

Renovate your obsolete or degraded trickling filter with a complete and genuinely effective system.



Media support system

The media support system is a network of composite material beams (FRP) positioned on the concrete reservoir. These beams enable the Crosspack 22 to be installed and supported while providing maximum natural ventilation.



Rot-proof

Outstanding mechanical strength

Easy to install



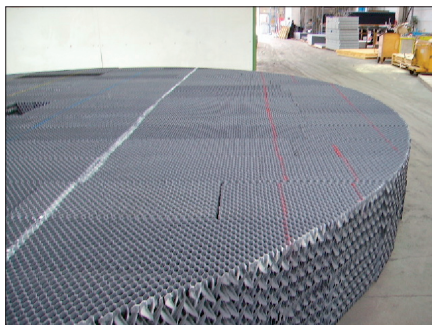
Glass-fibre reinforced polyester support

Onsite assembly

Crosspack 22 can be delivered in different forms to provide the best solution to your requirements:



Fully pre-assembled in the factory so as to reduce the time required on site



Ready to lay sub-assembly, thus making it easier and quicker to install on site (blocks pre-cut in the factory)



Unassembled thermoformed sheets are shipped, enabling transport costs to be significantly reduced (bonding done on site).

Our references: accumulated feedback from over 20 years!

Circular trickling filter



2012 - Pinet & Pomerols (34) - 290 m³
With Hamon rotary effluent distributor



2000 - Neuvy Bouin (79) - 48 m³



1992 - Argentina - 16,600 m³

Modular chamber trickling filters



2011 - St Julien (69) - 120 m³
Trickling filter with wood frame



2005 - St Laurent d'Olt (12) - 30 m³
Trickling filter with wood frame



2003 - STEP du Fauga (31) - 150 m³
Trickling filter with sandwich panel cladding



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