

MPPCompact

A plug and play solution for hydrocarbon removal in small wastewater streams

WATER TECHNOLOGIES



Hydrocarbon removal from wastewater poses a significant challenge for various industries, including the pharmaceutical sector. Solvents and washing chemicals such as Toluene and Isopropyl Alcohol (IPA) can prove to be costly and difficult to remove.

The MPPCompact is the ultimate solution for removing hydrocarbons at an rate of up to 99.9% to ensure safe and efficient removal of these hydrocarbons.

In fact, the MPPCompact goes beyond mere removal. If the wastewater streams are sufficiently concentrated, the solution has the capability to recover these valuable hydrocarbons and seamlessly reintegrate them into the production process.

Treating a flow rate of up to 0 - 3000 l/h

Treating small flows of concentrated streams containing hydrocarbons can often incur significant expenses due to the need for substantial CAPEX investment. However, the MPPCompact offers an efficient solution for the treatment of hydrocarbons in small streams. This advanced technology allows for the easy treatment of small streams, achieving a flow rate of up to 3000 liters per hour (l/h) on a compact footprint no larger than 4 square meters (equivalent to 2 euro pallets).

One of the key advantages of the MPPCompact unit is its fully automated operation, which not only simplifies the treatment process but also reduces waste handling and transportation requirements. This not only offers cost savings but also plays a crucial role in closing the wastewater cycle. By leveraging this compact and automated solution, industries can achieve improved efficiency and environmental sustainability in their wastewater treatment processes.

A fully standardized and affordable solution with a short supply time and significant return on investment.

Maximize performance with minimal downtime using our easy cartridge system. By utilizing column instead of media, this ensures seamless operation and low maintenance.

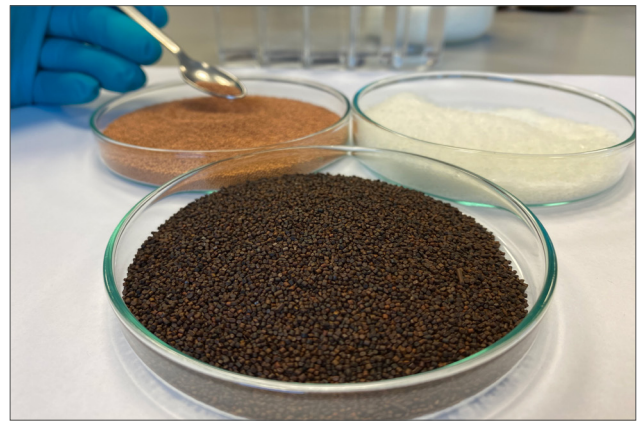
The plug and play design ensures fast and easy operation.

Performance assurance without budget surprises: our Performance Guarantee Service (PGS) ensures the functionality of the media at a fixed annual fee.









EXTRACTION VS SORPTION

The MPPCompact offers versatility by utilizing both extraction media and sorption media. The extraction media incorporates an immobilized extraction liquid within the media, effectively extracting dissolved hydrocarbons through a difference in participation coefficient. On the other hand, the sorption media employs adsorption to eliminate target compounds from wastewater.



Both media operate under similar conditions, making them ideal for application in the MPPCompact without any modification to the solution. This unique combination ensures efficient and effective performance, enhancing the overall wastewater treatment process.

MPPCompact vs alternative treatments

CRITERIA	MPPCompact	BIOTREATMENT	ACTIVATED CARBON	DISTILLATION
 COMPLIANCE	☑	☑	⊗	☑
 FOOTPRINT	Very compact	Large Multiple unit operations	Large	Compact More height may be required
 ENERGY CONSUMPTION	++	+/-	+	-
 SLUDGE PRODUCTION	NO	YES	NO	NO
 POTENTIAL FOR REUSE	☑	⊗	⊗	☑
 COMPLEXITY OF THE PROCESS	Completely automated	Requires operator attention	Requires small amount of operator attention	Requires operator attention