

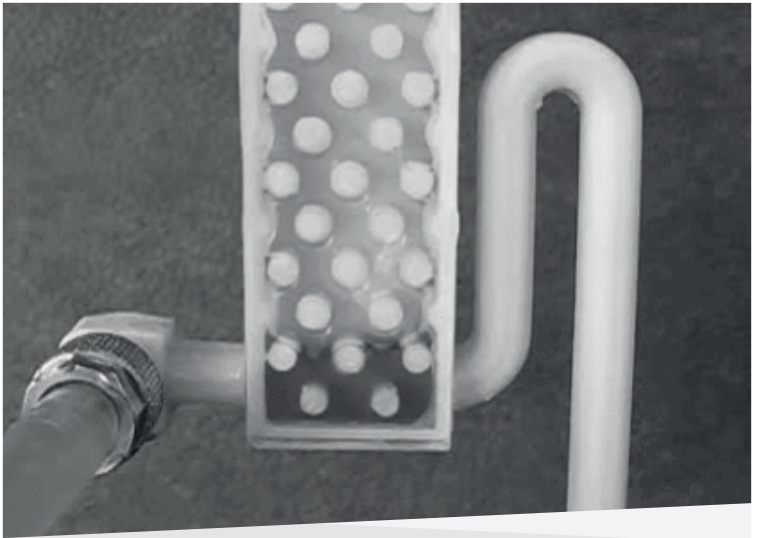
## SIPHON-REACTOR



## CHEMICAL PROCESS ENGINEERING

Best Practice Example created by





Chemical reactions are usually performed in batches, which is sometimes difficult to control and is not very efficient. Alternative processes are continuous reactors where only a small amount of the reagents are involved. Due to the high surface to volume ratio the reaction can be well controlled and the efficiency is increased. The optimised design for such reactors can only be realized by Additive Manufacturing.

**Dr.-Ing. Kai Sauerzapfe:**

"The 3D-printing technology for ceramic components developed by Lithoz enabled us to incorporate new designs in next generation parts which were derived from the findings of application tests. Therefore the whole development process could be tightened and accelerated. Finally, an implementation of the manufacturing technology for a specialized small-scale production of components for milli-reaction technology is possible."

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