

Comparison of the efficiency of the reactor types*

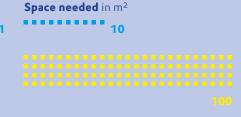
Microreactor Stirred-tank reactor

Energy consumption in MWh

= ø annual electricity consumption of 100 German households: **310** Source: destatis.de

= CO₂ emissions of an Airbus A320 on a flight from Munich to Berlin: **37** Source: atmosfair.de

CO₂ emissions in t



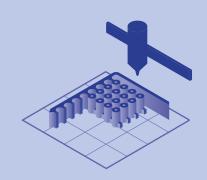
*Relative to the cooling requirement for a production volume of 150,000 tons per year for ortho-lithiation

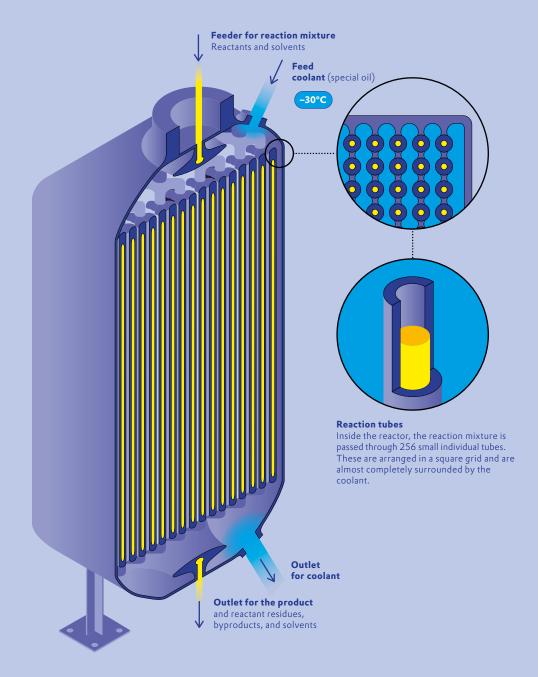
MICROREACTOR

Many thin reactor tubes ensure that the local temperature stays lower. Because all the tubes are surrounded by a cooling medium, the heat is also better dissipated.

New production process

3D printing enables reactor components to be manufactured in shapes that would be very expensive to make using conventional production processes such as injection molding.





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