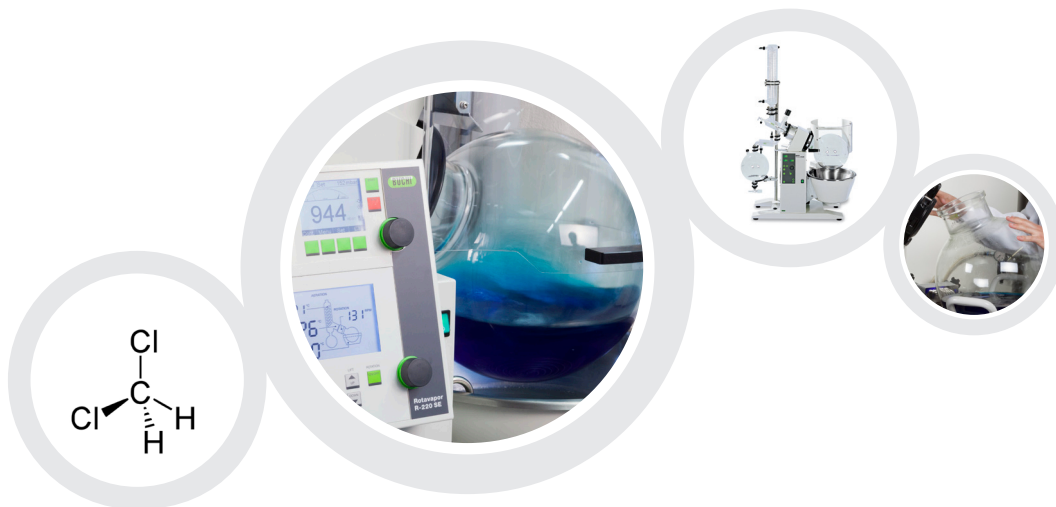


Case Study

Low cost solvent preparation



Customer: Technical University in Germany

The University receives solvent from industrial companies at very low cost, even to some extent free of charge, however the solvent is slightly contaminated (grease, dye).

Application: Purification of contaminated solvent

The solvents (e.g. methanol, dichloromethane) are delivered in 20 L drums and decanted into 5 l containers for preparation. After solvent preparation using large rotary evaporators, these solvents are used for research and by students.

Equipment: Rotavapor® R-220

Several R-220s were procured, one after the other, for the solvent preparation. They are located in different departments in separate buildings. The solvent to be purified is moved to the locations of the R-220s in 5 l tanks. After purification these solvents remain in the departments for usage.

Benefit / Conclusion:

Taking into account the procurement and running costs, the R-220 rotary evaporators will pay for themselves in just a few years.

“With the Rotavapor R-220 from BUCHI, it is very easy to purify slightly contaminated solvents. This considerably reduces the costs for solvents.”
