

FhG CBP – Pulping technologies

Within its organosolv pilot plant, the **Fraunhofer CBP** provides a digester with a volume of 400 L, which can be operated up to 225 °C and 36 bar. It is a fixed-bed reactor heated by a tube bundle heat exchanger with thermal oil and mixing is assured by liquor circulation. Furthermore, the digester is fully integrated into downstream processing for example fibre disintegration, enzymatic hydrolysis and lignin precipitation as shown in Figure 9.

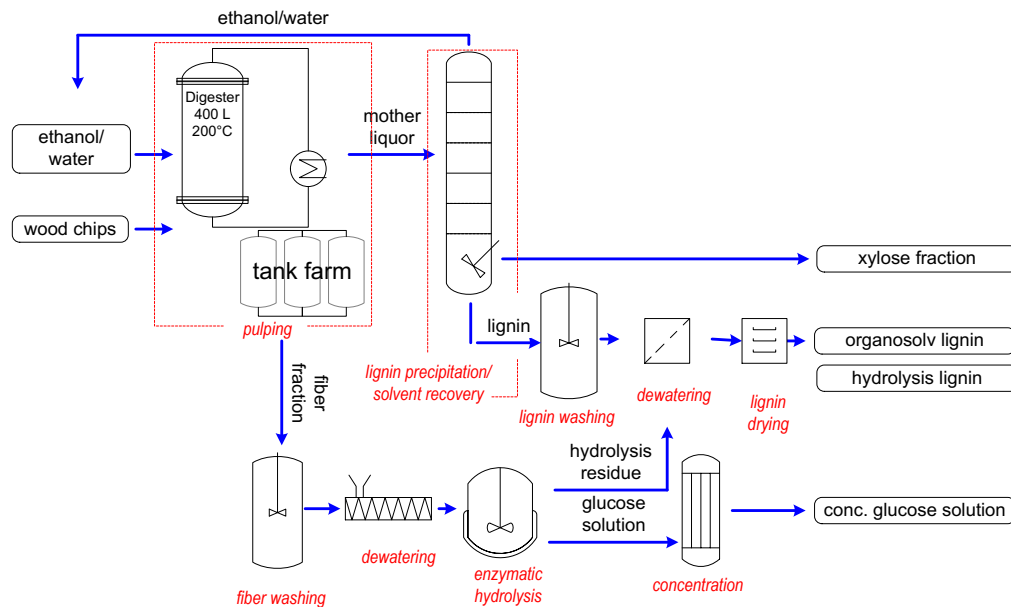


Figure 9. Simplified process flow sheet of the organosolv pilot plant in Leuna