IEA Bioenergy

Differences between gasification technologies refer to the contact of fuel and gasifying agent, temperature, pressure, scale, or heat supply. The selection of the most appropriate gasification reactor depends on the properties of the available feedstock, the final application of producer gas, and other environmental and economic factors.



SELECTION OF GASIFICATION TECHNOLOGY

MAIN GASIFICATION TECHNOLOGIES



of the gasification and combustion stages. Heat is transferred between both reactors. Indirect gasification allows the production of N₂-free gas with total conversion of the biomass. Some examples of indirect gasification technologies are SilvaGas (Batelle, USA), FICFB (TUV, Austria) and MILENA (ECN, Netherlands).