13. Device for carrying out a process according to any of Claims 1 to 12, comprising a first reactor and a second reactor, means for mixing, cooling, heating and pressuring carbon dioxide and ethanol and feeding the same into the first reactor and means for the transfer of the mixture of carbon dioxide, ethanol and poly(lactide-co-glycolide) copolymer particles into the second reactor, wherein the second reactor is equipped with outlets for the gas flow and for the liquid flow and with a bottom plate.

14. Device according to Claim 13, where the bottom plate is a double sheeted bottom plate with an upper sheet and a lower sheet, where the upper sheet is preferably not in contact with the wall of the second reactor.

15. Device according to Claim 13 or 14, where an aero cylon is placed down-stream behind the second reactor so that the gas flow from the second reactor can be fed into the aero cyclon.