

Effect of Deflector in Radial Flow Reactor

최준원*, 홍유식, 임예훈
LG 화학
(junwonc@lgchem.com*)

It is often the case that installing fixed fluid equipments, such as a baffle, improves internal fluid flow pattern in reactors. Nevertheless, the kind of engineering experiences or intuitions sometimes causes hindrance to real physical performance of reactors. With the aid of computational fluid dynamics, it was observed that a fixed flow distributing equipment, deflector, could disturb the uniform distribution of the flow in a radial flow reactor.