

## **Modelling of mixing process into a volumetric type reactor of formation**

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### **Abstract**

The results of calculation of water mixing process into a volumetric type reactor with two-level and three-level blade mixer on ANSYS program are submitted in this work. It is showed, that circular velocities of a stream at walls of a reactor are on 19-37% less by using of a two-level mixer, and velocity of an ascending stream is half as large in comparison with a three-level mixer. The three-level blade mixer is recommended and installed in a 45 litre reactor.