

## ABSTRACT

Provided are an apparatus for removing residual monomers and a method of producing a polyvinyl alcohol resin that can prevent drift of the organic solvent gas and residual of the polymerization solution on the trays and permits efficient removal of the unreacted monomers from the polymerization solution.

An apparatus 1 for removing residual monomers having a column main body and valve trays 2 having multiple gas blowout ports each having openings only in a direction perpendicular to the flow direction of the polymerization solution 4 or openings directed downward in the flow direction of the polymerization solution, which are installed in multiple stages in the column main body is used in a monomer-removing step of removing monomers in a polymerization solution 4 by bringing an organic solvent gas, such as methanol gas, into contact with a polymerization solution 4 obtained from a polymerization reactor 3.