
DESIGN AND TECHNOLOGICAL METHODS FOR INCREASING THE PERFORMANCE OF ULTRA-JET SLURRYING OF LIQUID-PHASE STRUCTURES

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Abstract

We consider an important problem of decreasing the operating hydraulic pressure of the ultra-jet of a liquid under treatment while retaining high technological and economic parameters of the operational hydrotechnology. We show that the design and technological solutions currently employed in ultra-jet treatment of liquid-phase structures can be hardly adapted to treat water, milk, macromolecular compounds such as oil, and other hydrophysical media. We suggest a solution to this problem by means of introducing new design and engineering ideas that make it possible to ensure a sufficiently low level of physical, technological and economic expenses

Keywords

Ultra-jet treatment, ultra-jet, design and technological solutions, liquid-phase structure, carbide target

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