

# One-Piston Mortar Pump with Increased Volume Combined Compensator Working Processes Analysis

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## Abstract

The mortar pump with various combined compensators design solutions proposed, namely with a combined pressure compensator and a combined compensator of increased volume. The solution pumps design features and the principles of their operation are presented. The analysis of single-piston increased volume combined compensator pump working processes presented, which in the studies proved to be more effective.

## Keywords

Solution pump Suction chamber Suction and discharge valves

Pressure in the injection nozzle

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