

CALCULATION OF GEOMETRIC DIMENSIONS AND HYDRODYNAMIC CHARACTERISTICS OF VENTURI PIPES OF A SELF-DRAINING SOLAR CIRCUIT

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ABSTRACT

This research paper provides an increase in the energy efficiency and reliability of self-draining solar plants by optimizing their hydrodynamic operating modes.

Based on this goal, the objectives of the study were to analyze the existing methods of protecting solar collectors of water heating and hot water supply systems from freezing and to identify the most promising methods. Also, the identification of the regularities of the hydrodynamics of a self-draining solar circuit.

KEYWORDS: *Hydrodynamic Characteristics, Geometric Dimensions, Venturipipe, Self-Draining, Solar Circuit & Solar Heating Systems*

Received: May 21, 2022; **Accepted:** Jun 16, 2022; **Published:** Jun 30, 2022; **Paper Id:** JCSEITRDEC202202