

INKJET HEAT TRANSFER WORKING MODEL PHONE (FUEL TRANSPORTATION) REFRIGERATOR DRIP EMITTERS PROSPECTIVE SPACECRAFT

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FSUE SRPSRC "TsSKB-Progress"

Using the scheme of radiant heat transfer between the unbounded plane and rows of tubes in parallel planes, considered heat transfer inkjet linen cloths coolant moving in the longitudinal direction of die refrigerator drip emitters and ending in space. A design scheme of temperature changes during cooling jet linen cloths in space. We calculated the formula for determining the current and the average temperature along the length of linen cloths, as well as the length of linen cloths depending on the heat load from the Erase spacecraft. Using the proposed simple model of heat transfer inkjet linen cloths refrigerator drip emitters and space led to the practical coincidence of our calculations the number of drop of heat into outer space droplets refrigerator and the average temperature along the length of the jet with the results obtained using a complex model of heat transfer drop linen cloths Konyukhov G.V.

Drip refrigerator-radiator, radiator, the system will provide heat treatment Thermostating, heat transfer

Raube Sergei Stanislavovich, Head of Unit of Federal State Unitary Enterprise «TSSKB-Progress». E-mail: csdb@samtel.ru. Area of Research: design of rocket and space technology.

Krasnochub Eugene Karpovich, doctor of technical sciences, design engineer of Federal State Unitary Enterprise «TSSKB- Progress». E-mail: csdb@samtel.ru. Area of Research: design of rocket and space technology.

Bronstein Vitaly Mikhailovich, Candidate of technical sciences, a leading design engineer of Federal State Unitary Enterprise «TSSKB- Progress». E-mail: csdb@samtel.ru. Area of Research: design of rocket and space technology.

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