

Metal Berthelot Tubes with Windows for Observing Cavitation under Static Negative Pressure

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Abstract : Cavitation under static negative pressure is not revealed well. The Berthelot method to generate such negative pressure can be a means to study cavitation inception. In this study, metal Berthelot tubes built in observation windows are newly developed and are checked whether high static negative pressure is generated or not. Negative pressure in the tube with a pair of a corundum plate and an aluminum gasket increased with temperature cycles. The trend was similar to that as reported before.

Keywords : Berthelot method, cavitation, negative pressure, observation

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