

Group of inventions relates to generation of heat with cavitation generator for heating buildings and constructions. One forms vortex water flow and provides cavitation mode of its flow at resonance amplification in flow of acoustic and percussion vibrations. One adds to water ethylene-glycol in amount of 7% of water mass with saturation of flow of working liquid with air that is 0.002 of water volume. Heat generator has accelerator and conical splitter of working liquid, at least three accelerators-activators of working liquid, cavitators with placed in radial positions openings, Laval nozzles, cavitators in central and output openings, those are at least five in number. The inventions promote simultaneous heating of working liquid and its feeding to heating system.