

Vortex heat generator comprises stationary housing (1) with cover (2), in which cylindrical cavity is formed with drive shaft (3) located therein and hollow cylindrical rotor (4) rigidly mounted on shaft (3), which contains channels (5), which connect rotor cavity (4) to its periphery, to enable the circulation of heat transfer fluid from rotor cavity (4) to its periphery, inlet pipe (6) for introducing heat transfer fluid into rotor cavity (4), which is adjacent to cover (2) in rotor (4) rotation axis zone, and outlet pipe (7) for discharging heated heat transfer fluid to consumer, wherein feed pump (8) for supplying liquid and compressor (9) for supplying gas are connected to inlet pipe (6). Mixer (10) is installed on inlet pipe (6) to convert liquid and gas into finely dispersed gas-liquid mixture and to supply the latter, as heat transfer fluid, to rotor cavity (4).