

Hydrodynamic rotary heat generator with heat recovery comprises stator, inlet and outlet pipes through which fluid is passed into cylindrical cavity, where perforated disc rotor is mounted with the possibility of rotation on cylindrical shaft, wherein stator consists of two stator discs located inside the housing, each perforated with through-holes and featuring radial slots that widen toward the edge of disc. Disc rotor is mounted with clearance relative to stator discs and features double-sided radial slots that widen toward the edge of disc, wherein at least one outlet pipe and one inlet pipe are connected to each other, forming closed recovery circuit for fluid recirculation.