

Steam generator in which cylindrical cavity of stator not less than in one opening at least in one of two side walls of stator that restrict that cavity in planes normal to its imaginary axis is connected to opening for inlet of vapor-liquid mix of separate steam separator, opening for liquid outlet from there is connected to suction cavity of liquid pump, and supercharge cavity of liquid pump is connected to cylindrical cavity of stator through at least one opening in that very side walls of stator that is completely placed further from imaginary axis of cavity of stator compared to any opening in side walls of stator connected to inlet opening of separator for vapor-liquid mix.