

An invention relates to the heat exchange techniques on waste smoke gases heat utilization at the gas pumping stations of the gas mains. The heat exchange module contains a vertical case with a tubes board, in which the thermal siphons are secured, and which divides it into a heating chamber and a cooling chamber. The tubes board is made separated from an upper ducts covering, and lower gas passage case, and is fixed between its flanges. Furthermore, an evaporating thermal siphon part is located inside the gas passage case, and the thermal siphon parts for liquefaction - beyond the tubes board inside the duct covering.