

Boiler unit has vertical cylindrical body with branch pipes for supply and takeoff of water from the body, with heat exchange surface in the body, this comprises hollow discs connected to each other and to flame chamber with branch pipes diameters of which decrease to outlet from the body. Hollow rod placed at axis of the body has threading at beneath and branch pipe with threading at above, and hollow discs – washers. Flame chamber is placed lower than heat exchange surface, at that both surfaces together form common slot between the vertical cylindrical body. At least one vertical cylindrical body with heat exchange surface inside and hermetically connected to it at beneath flame chamber, with source of formation of hot gases under those, is installed through back valve symmetrically with respect to volume compensator – injector – and connected with pipes to single sealed system of re-circulation of hot water through heat receivers that are placed lower than level of installation of vertical cylindrical bodies.