

Title (en)

Heat generator for hot-water production and heating

Title (de)

Wärmeerzeuger für Warmwasserbereitung und Heizbetrieb

Title (fr)

Générateur de chaleur pour la production d'eau chaude et pour le chauffage

Publication

EP 0609854 B1 19981007 (DE)

Application

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Priority

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Abstract (en)

[origin: EP0609853A1] The invention relates to a heat generator for hot water production and heating, consisting of a substantially cylindrical, vertical tank (1) with cold- and hot-water connections (2, 3), with an upper heating system flow and a lower heating system return connection (4, 5) and with a downward-directed burner heating device (6), formed from a heat transfer medium and heating-gas duct (7, 8) equipped with burner and passing centrally through the tank. According to the invention, between the bottom (9) of the downward-directed burner chamber (10) forming a first part of the heating-gas duct (8) and the lower closure (11) of the heat transfer medium duct (7) constructed as a smooth tube (12) there is arranged a tube set (R) forming the second part of the heating-gas duct (8) and consisting of a plurality of vertically extending individual tubes (13); according to the length of the tube set (R), the downward-directed burner chamber (10) is mounted at the upper end of the tube (12) or occupies an upper part of the length of the tube (12); arranged in the lower part of the tank (1) is a coiled pipe (14) which is connected to the flow connection (4), has a plurality of turns and surrounds the tubes (12) and this coiled pipe is connected at its lower end to the tube (12) and lastly a waste gas-collecting chamber (15) with waste-gas connection (16) and condensate drainage connection (17) is arranged below the closure (11) of the tube (12). <IMAGE>

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