

Title (en)
BOILER

Title (de)
WARMWASSERSPEICHER

Title (fr)
CHAUFFE-EAU A ACCUMULATION

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Application
EP 00904960 A 20000125

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Abstract (en)
[origin: DE19903442A1] The invention relates to a boiler comprising a heat insulated closed reservoir container (2) with an inlet (10) for cold water for domestic use in the lower area of the boiler and with an outlet (11) for warm water for domestic use in the upper area of the boiler. The boiler also comprises a tube-shaped element (3) which is arranged in an upright position in the container (2) at a distance from the container bottom and the container lid. The boiler also comprises a heating spiral (6) which surrounds the tube-shape element (3). The heating spiral (6) comprises an inlet and an outlet (7, 8) for the heating medium. Said inlet and outlet (7, 8) are guided out of the reservoir container. The tube-shape element (3) with the heating spiral (6) only extends in the lower area of the container (2). A heating spiral (9) for water for domestic use which is cross-flown by water for domestic use is arranged at least above the tube-shaped element (3). Said heating spiral (9) is directly connected to the inlet (10) for cold water for domestic use and the outlet (11) for warm water for domestic use. The boiler also comprises a liquid heat transfer medium (12) that is accommodated in the container (2), heated by the heating spiral (6) and that indirectly exchanges heat with said heating spiral (9).

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