

Abstract

Waste-heat steam generator

5 So that, to achieve as high a plant efficiency
as possible, a waste-heat steam generator (1), in
particular for a combined-cycle power plant, with an
number of heating surfaces (2,3,4), heatable by means
of flue gas (RG) and carrying a medium (SW) to be
10 heated, can be operated even at critical or
supercritical pressure, a once-through evaporator (3)
connected in countercurrent to the flue gas (RG) is
provided on the medium side, the said evaporator being
followed by a preheater (2) and preceded by a
15 superheater (4) on the flue-gas side.

Figure 1