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A radiation superheater placed along the whole height of the furnace and made of low alloy steel type 12KhMF can work in complete safety in boilers at $p = 100$ atm, when maintaining the "weight velocity" of the steam in the tubes at 700 to 1000 kg/m²·sec, and with a steam temperature beyond the radiation superheater of 400°C. Calculations show that under the same conditions a wall-type radiation superheater can work at $p = 140$ atm as well. The "weight velocity" of the steam weight in the tubes during the initial period (Engineering--Mechanical, TT, v. 5, no. 6) (over)

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