

Method for determining the thickness of scale on the inner surface of pipes in a water-heating boiler system involves measuring the ambient temperature and the temperature of the pipe's outer surface, as well as the temperature of the heat transfer fluid at the pipe's inlet and outlet, the pipe wall thickness, and the pipe's inner diameter. The temperature of the pipe surface is measured along the length of the system after it has stabilized during the supply of coolant, preheated to the system's operating temperature, to the inlet of the idle boiler. The scale thickness is calculated using the heat balance equation for the specified system according to the formula.