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Experimental Study on the Forced Convection Heat Transfer of High Temperature Compressed Water

Kosei OGUCHI*

An experimental studies on the forced convection heat transfer of high temperature compressed water of the pressures up to 100 kg/cm^2 was made chiefly in the region of low heat load. The coefficient of heat transmission increases, in this region, with the heat load.

Also, an experimental formula was obtained which expresses the Nusselt number Nu as a function of Reynolds number Re and Prandtle number Pr in this case.

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