

CFD Study for Normal and Rifled Tube with a Convergence Check

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Abstract : Computational fluid dynamics were used to simulate and study the heated water boiler tube for both normal and rifled tube with a refinement of the mesh to check the convergence. The operation condition was taken from GARRI power station and used in a boundary condition accordingly. The result indicates the rifled tube has higher heat transfer efficiency than the normal tube.

Keywords : boiler tube, convergence check, normal tube, rifled tube

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