

Abstract Details

Title: Effect of Varying Diameter of Orifice on Coefficient of Discharge

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Abstract: This work is carried out to study the effect of change in diameter of orifice on the flow characteristics. The measure flow characteristics are coefficient of discharge, coefficient of contraction & coefficient of velocity. The measure problem in fluid flow is the calculation of time in which the fluid is transferred at the destination through pipelines. But there is a measure issue is that how will calculate the time required in fluid transfer. So in this paper effect of varying diameter of orifice on coefficient of discharge is studied because during fluid transfer large diameter pipes are used. There is small increase in value of coefficient of discharge with increase in diameter of orifice.

Keywords: Coefficient of Velocity, Coefficient of Contraction.