

# Investigation on the Lapple Cyclone Separator and Particle flow Analysis by Numerical and Experimental Approach

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## Abstract

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**Keywords:** CFD, Optimization, Simulation, Manufacturing, Orthogonal array, DPM.

## 1. INTRODUCTION

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## **2. METHODOLOGY**

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$$\phi_{ij,1} \equiv -C_1 \rho \frac{\epsilon}{k} \left[ \overline{u_i' u_j'} - \frac{2}{3} \delta_{ij} k \right] \quad (1)$$

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#### *2.1.1. Ethics and policy*

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**Table 1:** Orthogonal array

S.No	Inlet length (m)	Width (m)	Outlet area m <sup>2</sup>
1	12	15	18
2	13	16	19
3	14	17	20

### 3. RESULTS AND DISCUSSION



**Figure 1.** Pressure contours

The pressure contours are shown in **Figure 1**. Initially the manuscript should be verified in format and author guidelines aspects. If it is ok, then which is send to the editor for preliminary screening. Once the manuscript satisfies the aim and scope of the journal which is send to peer review process. If it is not satisfied the journal scope and aim of the journal then it is directly rejected by editor without any further considerations. In peer review process, the manuscript to be send to two reviewers (Expert in particular subject area) for evaluating the quality of the manuscript. Based on the reviewer's comments, the editor will be given following decision such as, Accepted, Major revision, Minor revision, Rejected. If the manuscript is rejected by reviewer then it is directly rejected without any further considerations. If the revise decision given, the author should be asked to revise the manuscript according to reviewer comments. After receiving the revised version, the manuscript should be allotted to reviewers for final evaluation.

#### **4. CONCLUSION**

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#### **Declaration of Competing Interest**

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

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