

**[V-05]**

## **다단 원판형 드래그펌프의 배기 성능에 관한 실험적 연구**

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### Abstract

In this paper, the pumping performance of the multi-stage disk-type drag pump which works in the outlet pressure range from 4 to 0.001 Torr is studied experimentally. The rotational speed of the pump is 24,000rpm, and nitrogen is used as a test gas. The pumping characteristics of various drag pumps are performed. The inlet pressures are measured for various outlet pressures of the test pump. The ultimate pressures for zero throughput are measured and the maximum compression ratios for zero throughput are measured for three-stage BSC type, two-stage BSC type, helical-type, one-stage BSC type and one-stage OSC type, respectively.