

원판형 분자 드래그펌프 회전자 각각의 위치에 대한 압력측정

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Turbo-type molecular drag pumps (MDPs) are used in the liquid crystal display (LCD), semiconductor and other thin film industries. Siegbahn (disk-type) molecular drag pumps are used as high-pressure stages in the hybrid-type turbomolecular pumps, where they can operate in the viscous, the transition and the free molecular flow regime. In this study is performed to investigate the pumping characteristics of three-stage disk-type molecular drag pump (DTDP) in the molecular transition flow region. The experiments are measured using five vacuum pressure gauges in the positions for rotors of DTDP. The test is performed with nitrogen gas (N_2).