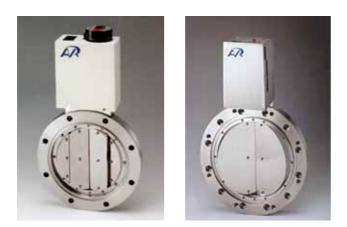
Automatic Pressure Control System



Wing Valve Series

Thin Large diameter Throttle valve

General Description

This throttle valve with a large diameter has been developed as the next generation leader for large pumping processes (automatic pressure control system). Despite their large diameter, multiple wings make the available space at a fully-closed position 1/5-1/10 the size and make the conductance 3 times higher than the butterfly model having the same diameter. The minimum conductance is obtained at a fully-closed position with the wings piling on top of each other at the edge.

The wing drive mechanism is simple enough that no wiring is required and no gas collections in the device.

Features

- Simple structure Designed for easy maintenance and high reliability. No gas collects in the device.
- Compact layout As thin as 30 mm at the fully-closed position
- Wide dynamic range Minimum conductance is obtained at fully-closed position with wings piling on top of each other.
- Even pumping efficiency Symmetric movement of the wing allows for even pumping efficiency over the surface area.



Throttle valve for control unit



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