



Overstroke Simplifies Machine Adjustment & Reduces Set-up Time

Challenge:

Cleaning in the semiconductor industry is a highly corrosive process. A manufacturer of chip cleaning equipment contacted us for a pneumatic interlock device that would ensure a machine's door was closed prior to this action. Since the valve would be installed inside of the machine, it was imperative that it wouldn't be destroyed by the chemicals used.

Requirements:

- Withstand harsh chemical environment
- Large overstroke for easy adjustment

Solution:

After evaluating the system's pneumatic circuitry, Pneumadyne engineers determined that our fully ported "300" Series valve was ideal for the application. A custom overstroke operator was designed to actuate the valve while providing the door latch with an over-travel for adjustment purposes.

- 303 stainless materials
- Overstroke up to 1/4" for door adjustment
- Miniature size

Benefits:

- **Stainless steel design offers corrosion resistance in harsh chemical environments**
- **Overstroke offers door adjustment**
- **Compact design saves space**

Other Applications:

- **Test Equipment**
- **Food Processing**
- **Chemical Processing**



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