ULVAC









Particle Improvement

ULVAC KOREA, Ltd TEL +82-54-471-3567 www.ulvackorea.co.kr

ULVAC's Solution

Improve the atmospherical door valve

Before

Plunger Type

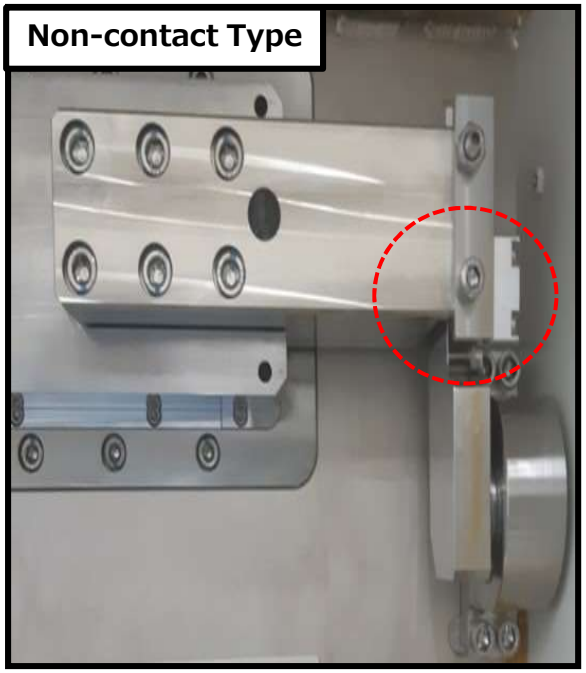


■ **Plunger Type Door Valve**

: Plunger's bolt break → particle
→ Metal Touch
: Risk from O-Ring of DV cause crack or break

After

Non-contact Type



■ **Non-contact Type Door Valve**

※ Prevent the Metal Touch
※ Reduce the particle

Model	Event	Solution	Merit
Cluster Loading Chamber	Atmosphere DV → Metal Touch → particle occurs	Apply Non-contact Type	Reduce particle Longer PM period