



Case Study

Offset Rotary Valves handle plastics with care



Offset Rotary Valves Used To Reduce Degradation

Working in collaboration, creating tailored solutions, engineering to improve efficiency.

• The Application:

- Our customer was looking for four rotary valves to handle plastic pellets in their pneumatic conveying system.
- The plastic pellets are fragile and likely to shear in standard blowing seals, which are typically used in these conveying systems.

• The requirement:

- To provide rotary valves that would effectively feed the pellets into the conveying line below it without damaging them.

• The solution:

- By using an offset rotary valve and adding a shear plate deflector, we could prevent the pockets from overflowing. This prevents product being caught in the pinch point, solving the shearing issue. To connect to the conveying line beneath the valve, a dropout box with a matching pipe diameter was fabricated to sit under the valve.

• The result:

- A solution that mitigates product degradation whilst providing efficient feeding of the conveying line.

