

Isolation Gate

Evaporator Dryer Technologies, Inc.



Isolation Gate in closed position.



Isolation Gate in open position with gate removed.

EDT Isolation Gates are superior components designed specifically to remain in place during production in sanitary process applications.

Isolation gates are used to create a positive isolation between a dry process and a wet process in spray drying operations or in any process air ductwork.

In a spray drying system, isolation gates are used to isolate components for a wet wash or CIP routine. Such as isolation between ductwork and a baghouse or ductwork and a wet scrubber. The isolation gate is also used to create a process component bypass for alternative processing methods.

EDT's isolation gate is unique in that it uses air actuators to create a seal between two components with all force internal to the gate – no stress is transferred to adjoining components eliminating the risk of component movement or cracking. The entire unit is self-supporting from the ductwork and when the slide gate is removed, the ductwork remains completely unrestricted.

Features and Benefits

- ▶ Minimal preparation time. Easy open. Easy Close.
Reduces time for plant CIP turnaround or process set-up.
- ▶ Entire unit is self-supporting from ductwork.
Space saving. Convenient.
- ▶ Internal force to create a seal is on the gate.
Eliminates the stress on adjoining components that causes movement and cracking.
- ▶ Ductwork is completely unrestricted when gate is open.
No restricted airflow during production.
- ▶ Flush Mount Design.
Eliminates pockets or gaps between components that may allow components to become wet.
- ▶ Custom design to any size diameter to fit ductwork.
Complete stainless steel construction.

Evaporator Dryer Technologies, Inc. is an engineering company providing the services of design, engineering and supply of evaporating and spray drying systems and components with an innovative approach that will modernize and improve plant performance and operational safety.



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