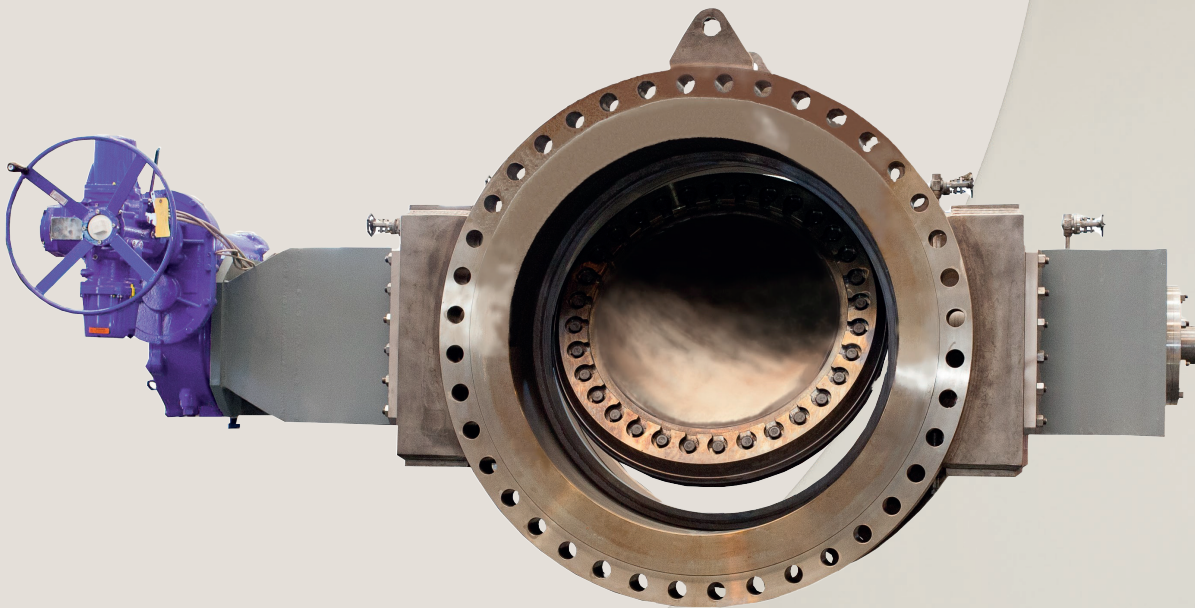


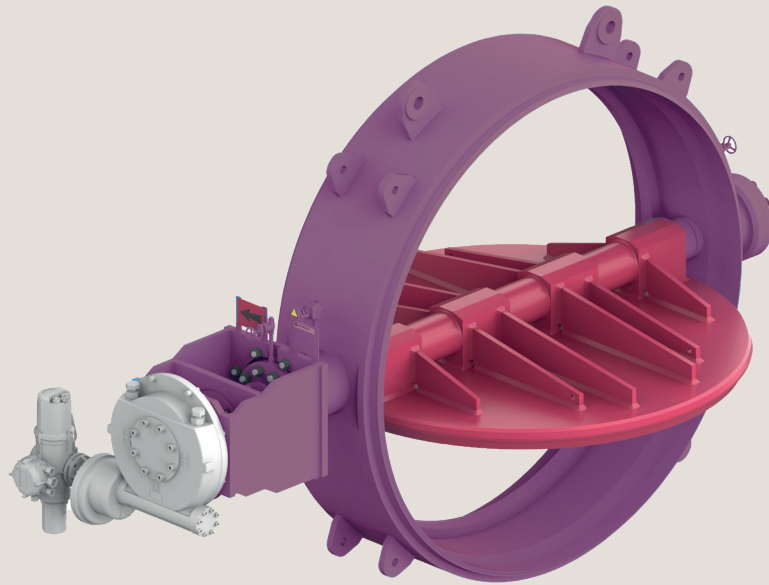


Process Automation

IMI Remosa
Triple Eccentric Butterfly Valves



Breakthrough
engineering for
a better world



Flue Gas

Triple Eccentric Butterfly Valves

IMI Triple Eccentric Butterfly Valve (TRIPEX) is designed to isolate flue gas lines and perform safe maintenance of downstream equipment such as Turbo Expanders, CO-Boilers, Scrubbers, etc.

The reduced weight and footprint of IMI TRIPEX allows retrofitting of existing plants.

Custom Designed: TRIPEX can be adapted to customer specifications without requiring significant structural modifications.

Approved by main FCC process licensors: This ensures quality and compliance to demanding applications.

Easy to maintain: All wear-prone components can be easily replaced.

Finite Element Analysis: The valve body undergoes advanced analysis to ensure maximum strength and durability.

High-Quality Materials: Critical components are made from materials with excellent resistance to erosion and high temperatures.

Leakage class: up to Class V.

Product specifications

Customised sizes: IMI TRIPEX can be tailored to various sizes up to and above 150". Transitions to cold wall ducts are also available, and TRIPEX can be provided with welded or flanged ends.

Temperature: Up to 960°C (1760°F).

Fast-Acting Shut-Off: IMI TRIPEX responds quickly, with a shut-off time of less than 0,15 second when paired with IMI actuating systems. This rapid action ensures turbine protection.

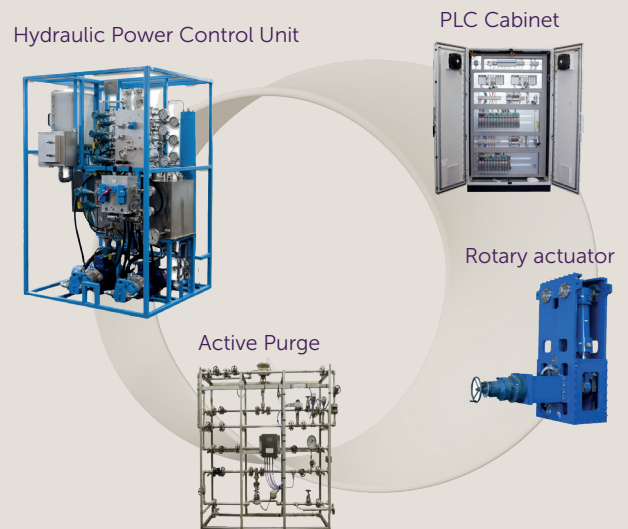
Wide Range of Control: These valves allow precise regulation of process flow. Whether you need to throttle the flow or shut it off completely, IMI TRIPEX provides flexibility.

Hard-Faced Seat and Seat Area: seat and seat area are made from hard-wearing materials. This design ensures durability and resistance to wear and erosion, even in demanding conditions.

High-Performance Nickel Alloy Shaft: The single-piece forged shaft is made of high-performance nickel alloy, which enhances its strength and corrosion resistance.

Full package solution

IMI's engineering experts have developed integrated packages that combine valves, actuators, and hydraulic power control units. These packages are tailored to meet customer needs for high-temperature and erosive applications. The goal is to provide a comprehensive solution that ensures optimal performance and reliability in demanding process conditions.



Benefits

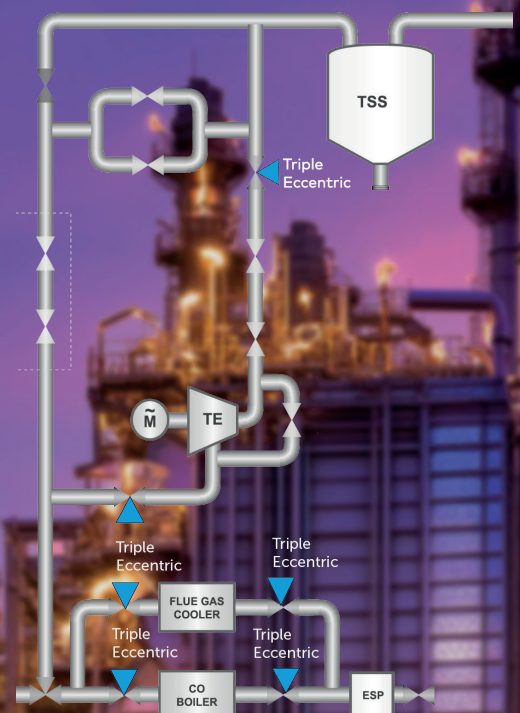
IMI Triple Eccentric Butterfly Valve allows isolation of flue gas lines. Its reduced weight and footprint allows retrofitting of existing plants.

The cost to the end user is comparatively small when measured against other isolation valves of the same class.

The disc seal ring consists of a metallic ring machined on the outside diameter to an inclined conical shape that matches the seat in the valve body, for tight shutoff performances and safer isolation.

The overall geometry of the seal ring is formed into an elliptical shape that provides flexible seating while maintaining uniform contact pressure around the entire sealing surface: it is designed to flex and compress elastically on the seating surface to ensure uniform pressure on the entire outside diameter of the seal ring.

Application example



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