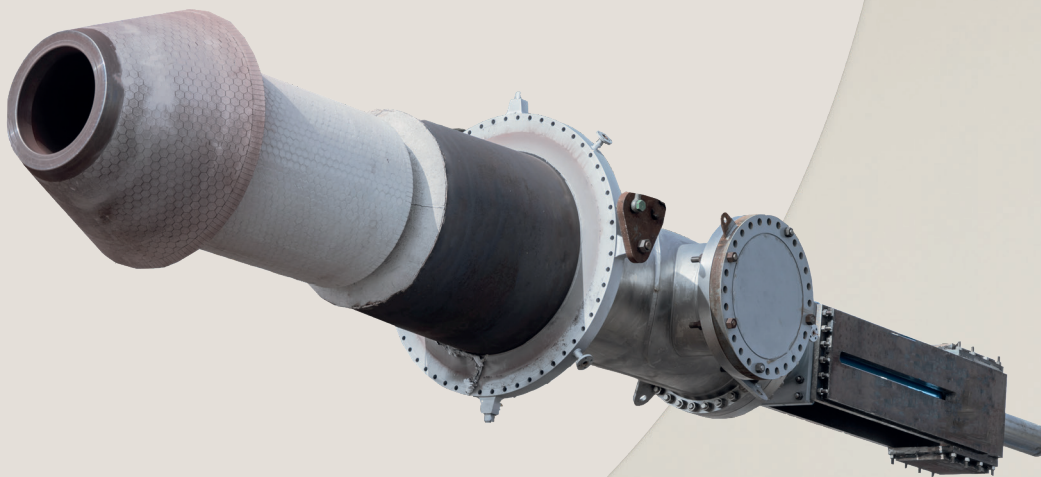


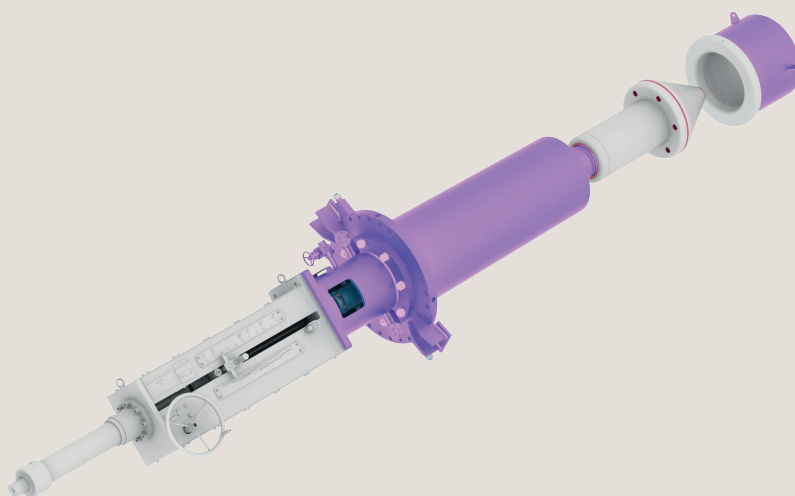


Process Automation

IMI Remosa
Plug Valves



Breakthrough
engineering for
a better world



Fluid Catalytic Cracking Plug Valves

Catalyst circulation in the residue fluid catalytic cracking (RFCC) and fluid catalytic cracking (FCC) units can be controlled using a Plug Valve. The features of IMI Plug Valves include:

Fabrication: manufactured from plates and forged material, with no cast parts used in the valve fabrication.

Erosion Protection: The plug and its shields are protected by an abrasion-resistant lining.

Hardfacing: The sliding stemtube is hardfaced with cobalt base material to reduce wearing.

Operation: These valves are operated by a high-pressure Hydraulic Power Control Unit with a thrust control system.

Product specifications

Customised sizes: IMI plug valves can be tailored to various sizes. High-end materials and special alloys are used for protection against erosion.

The erosion protection lining is designed to withstand key stresses, assuring longevity and reliability.

Temperature: Up to 960°C (1760°F).

Cone and Seat: Cone and seat assembly are manufactured from a monolithic forged piece of stainless steel.

Cone and seat are lined with abrasion resistant material to minimise the catalyst erosive action and reduce the seat wear caused by the contact between plug and seat.

Benefits

IMI Plug Valves are engineered with a focus on longevity and dependability. The use of plates and forged materials, as opposed to cast parts, significantly enhances structural integrity.

This makes IMI Plug Valves particularly resilient against high-pressure and high-temperature environments typically found in Fluid Catalytic Cracking (FCC) units.

The innovative design includes abrasion resistant lining installed into hex-mesh, which protects the plug from erosion. This feature is crucial for performance and long service life, even

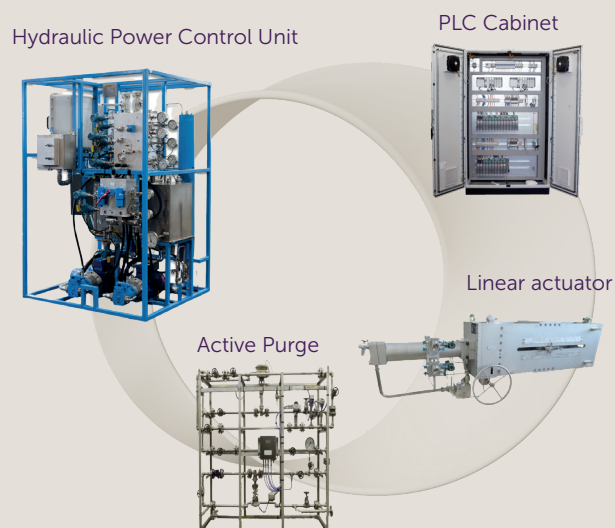
when dealing with abrasive particles in the process stream.

The meticulous grinding of the abrasion-resistant lining ensures perfect contact between the plug and the seat cone. This precision in manufacturing translates to improved sealing capabilities, reducing the likelihood of leaks and enhancing operational safety.

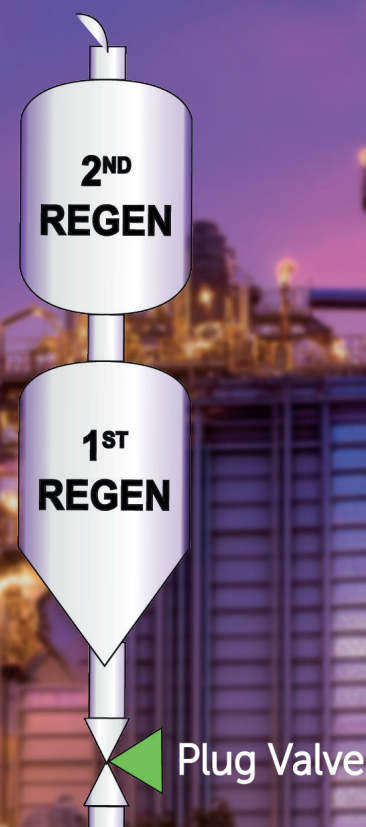
IMI Plug Valves are designed in accordance with recognised industry standards such as ASME, API, and ANSI. This compliance ensures that the valves meet the rigorous requirements for safety and performance in industrial applications.

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.



Application example



Process Automation

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