

C-REX™

Double eccentric
segmented ball valve



Enhanced performance for the toughest of conditions

Molecular sieve valve applications, such as dehydration and mercaptan removal, are crucial yet challenging for the oil and gas industry. Valves in these settings are subject to extremes: gas-tight bidirectional shut-off during frequent cycling, withstanding immense temperature variations, and operating under low-pressure differentials. Crucially, they are often plagued by frequent maintenance issues due to contamination from adsorbent substrates and other particulates.

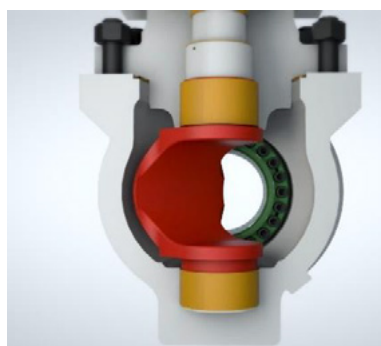
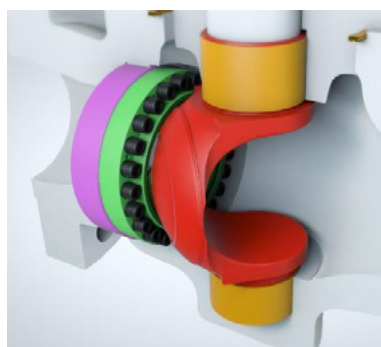
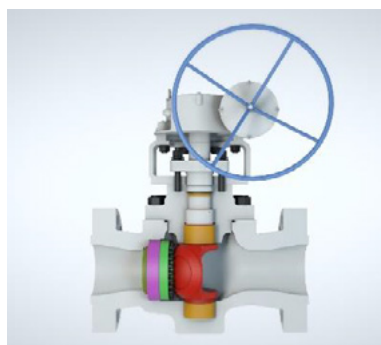
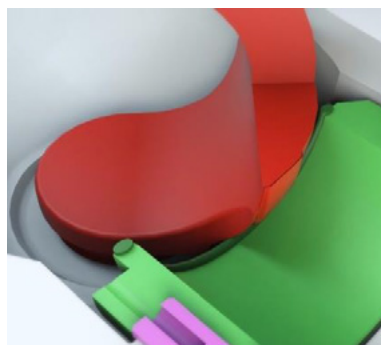
Unlike traditional rising stem technology, our ground-breaking C-Rex™ valve can stand up to these conditions. With its frictionless trim and cavity-free design, C-Rex™ not only enhances operational performance but also significantly reduces maintenance requirements.

Combined benefits for unmatched performance

The C-Rex™ valve ingeniously combines the robustness of a trunnion-mounted ball valve with the low operating torque of a triple offset butterfly valve. This fusion results in a valve that is not only more durable but also more cost-effective and lighter than traditional valves. Fewer components translate to greater reliability, easier access, and less-frequent maintenance.

Tailored to your system

At IMI, we understand that each system has its unique requirements. That's why our C-Rex™ valves are custom engineered to meet your specific needs, ensuring optimal performance and reliability.





Springless design

Torque seating eliminates the need for springs and dependency on pressure differential, to achieve a gas-tight seal.

Double eccentric design

Ensures friction-free operation for thousands of cycles, extending service life and minimizing maintenance needs.



Cavity-free construction

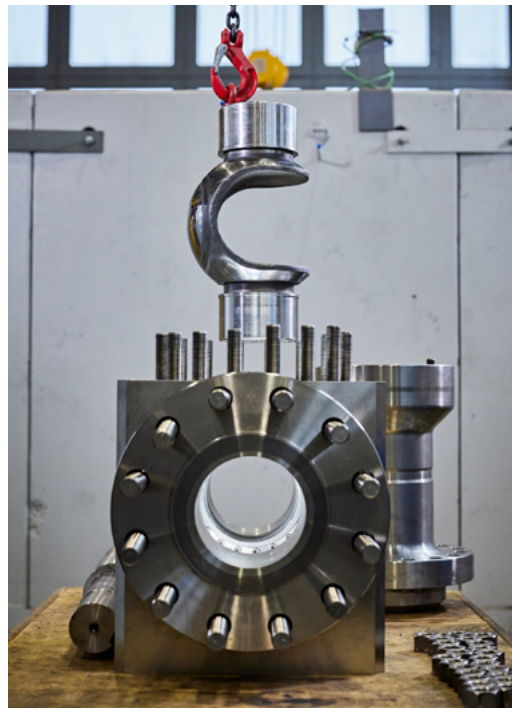
Eliminates the risk of over-pressurization, enhancing safety and reliability.

C-ball with surface coating

Features a chromium carbide coating to reduce wear and extend valve life, making it ideal for high-cycle and abrasive applications.

Key benefits:

- Fewer components mean less maintenance and lower operational costs.
- Engineered for long-lasting performance, even in demanding conditions.
- Up to 50% lighter than equivalent rising stem valves for easier installation/handling.
- Top-entry design enables straightforward access to internals.
- Minimized wear and leakage, reducing the frequency and cost of maintenance.
- Engineered for reliability, maintaining process integrity and increasing productivity.



Contact us to learn more
about C-Rex™ valves.



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