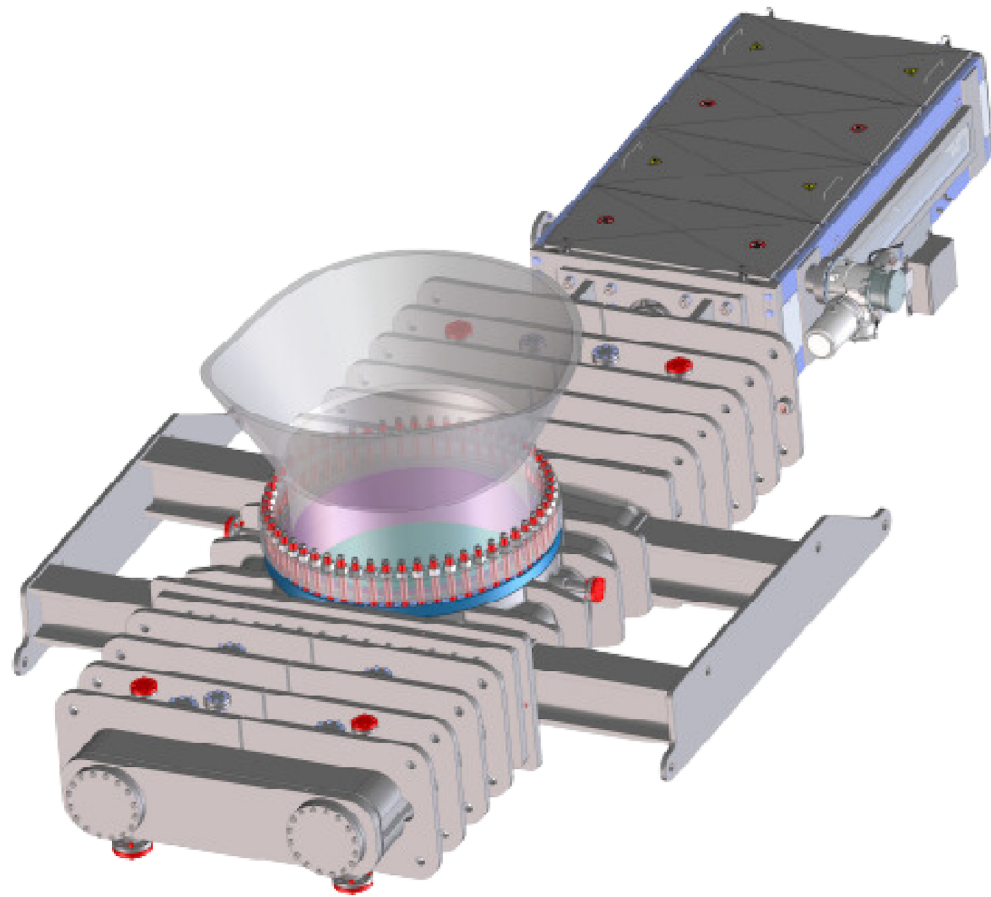


Delayed Coking Bottom Unheading Compact Design

True Double Block and Purge



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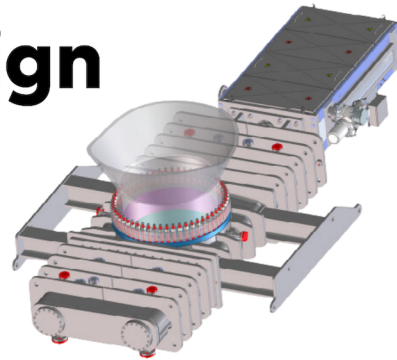
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Delayed Coking Bottom Unheading Compact Design

The Bottom Unheading device is based on our well-proven Double Disc Gate Valve Design. Its fully automated compact design is the safest, most robust, and reliable solution for the Delayed Coker Application.



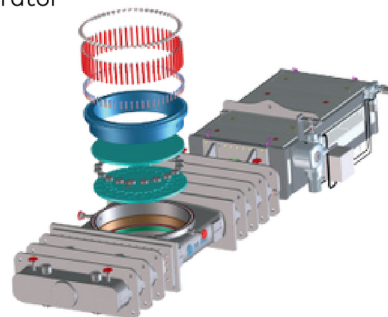
Key Features

- > Compact Valve Body - smaller face-to-face dimensions and less weight.
- > Two independent discs => limited thermal distortion => less steam => less erosion.
- > Two independent discs => true double block and purge.
- > Two independent discs and multiple seal result in lowest steam consumption.
- > Very low steam consumption => high energy savings => environment safety.
- > Less corrosion & wear due to resistant hard-faced seats.
- > Guided carrier between two plates => preventing coke fines in valve body > no cooling water required.
- > Easy inspection of upper seat & disc.
- > Minimal spare parts.
- > 100% actuator redundancy.
- > Actuator options: electric or hydraulic.
- > Low potential for HC's escaping to the atmosphere.
- > IMI Z&J's DC Revamp Solution.



Benefits

- > Easy-on deck maintenance.
- > Low maintenance with minimal downtime.
- > Low steam consumption.
- > Cycle time reduction - optimized production output.
- > Fully remote operation, no operator on deck during unheading.
- > True double block & purge - 2 independent discs provide individual sealing.



Specification

Dimensions

L 9.5 m x W 2.56 m x H 0.79 m (face to face)
L 374" x W 101" x H 31" (face to face)

Actuator Types

IMI Z&J electrical or hydraulic actuator types

Weight

40000 kg / 88000 lbs

Purge Media

Steam

Ambient Temperature

-40 °C to + 60 °C / -40 °F to 140 °F

Leakage Rate

API 598

