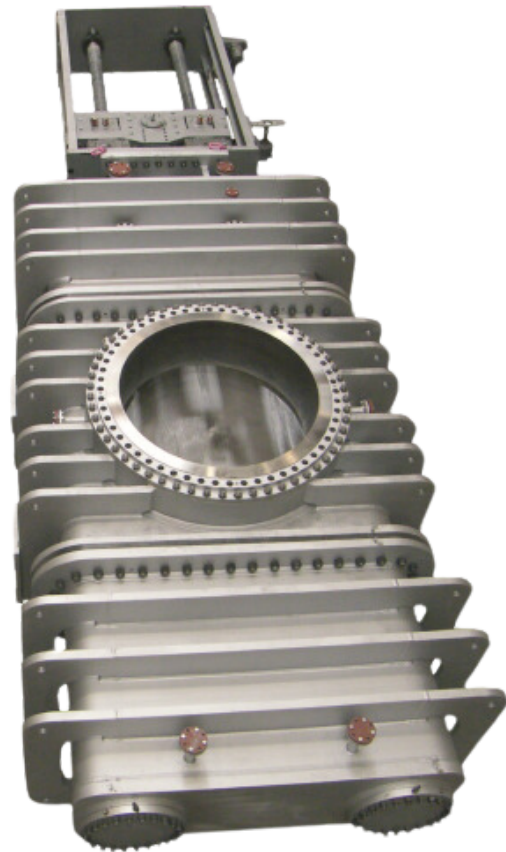


# Delayed Coking Bottom Unheading

Double Disc Technology,  
True Double Block and Purge Design.



Contact us to learn more about  
Bottom Unheading



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# Delayed Coking Bottom Unheading

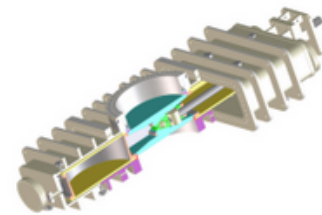
The Bottom Unheading Device is based on our well-proven Double Disc Gate Valve Technology. Its fully automated design ensures safe and reliable DCU unheading operations.

## Key Features

- > Two Independent Discs.
- > Limited thermal distortion.
- > Reduced purge steam requirement.
- > Less erosion.
- > True double block and purge.
- > Active Mechanical Seating Force.
- > Increased tightness & safety.
- > Corrosion & Wear Resistant Design.
- > Hard faced body and disc seats.
- > Seats fully protected in open and closed position.
- > Guided Carrier Frame between the discs, preventing coke fines entering the valve cavity.
- > No cooling water requirements.
- > Easy inspection of upper seat and disc.
- > Minimal spare parts stocking.
- > 100% Actuator redundancy.
- > Actuator options: electrical or hydraulic.
- > Safe, robust and reliable.

## Benefits

- > Safety - Double Block and Purge - API 598 shut-off.
- > Economical operation with low steam consumption.
- > Reduction in fugitive emissions.
- > Reliable design.
- > Easy On-Deck inspection and maintenance.
- > Low maintenance cost.
- > Reliable and robust design.
- > Cycle time reduction.



Steam pressure between the two discs provides additional seating force.

## Specification

### Dimensions

L 9.7 m x W 2.92 m x H 1.3 m (face to face)  
L 382" x W 115" x H 51.5" (face to face)

### Actuator Types

IMI Z&J electrical or hydraulic actuator types

### Weight

61500 kg / 135600 lbs

### Purge Media

Steam

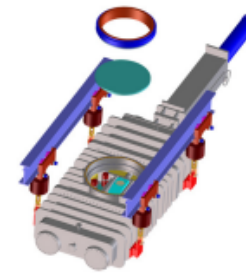
### Ambient Temperature

-40 °C to + 60 °C / -40 °F to 140 °F

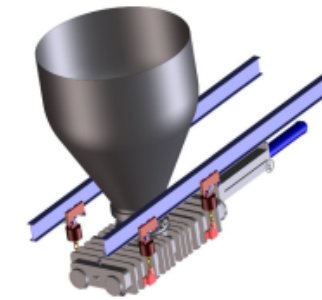
### Leakage Rate

API 598

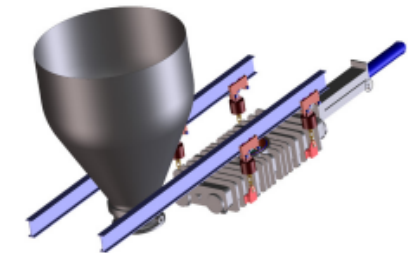
## On-Deck Maintenance Sequence



Only 2 parts to remove



On deck maintenance system  
Operating position



On deck maintenance system  
Inspection position