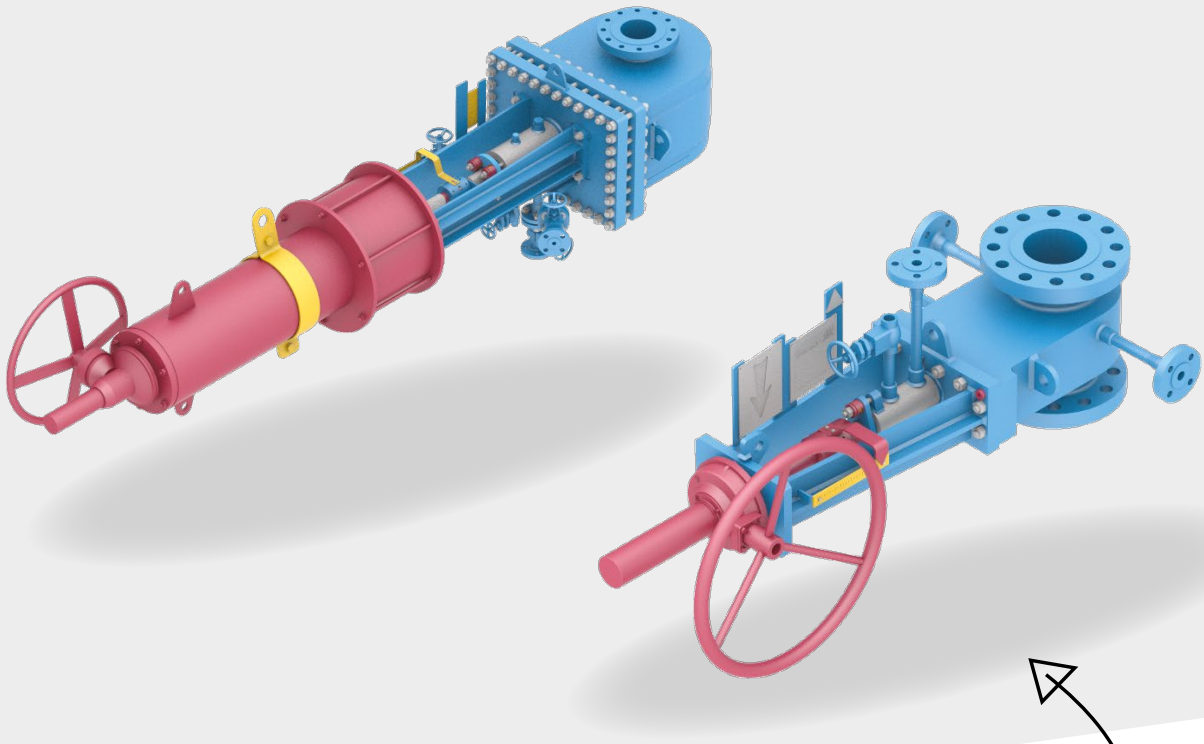
IMI REMOSA®

Catalyst Withdrawal Valves



Engineering
GREAT Solutions

On/off and control valves for catalyst

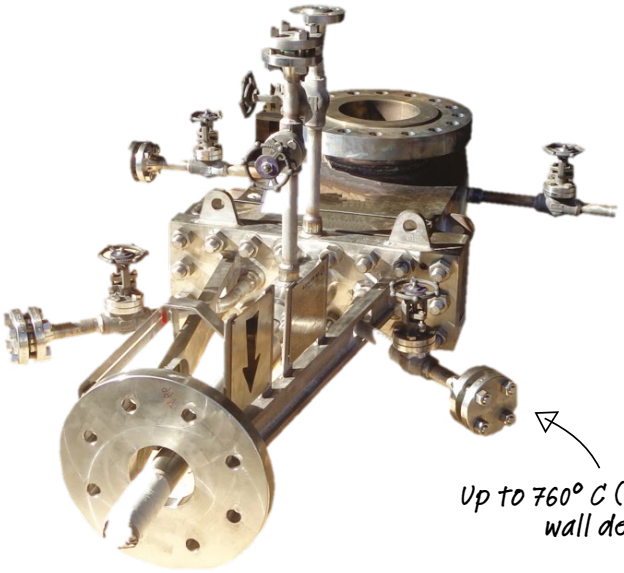
IMI Critical Engineering

Withdrawal Valve

Catalyst Withdrawal Valves are designed for severe applications, including high temperatures and high erosion service.

Two different designs are available. The control version has a replaceable orifice plate and guides. The shutoff version features a wedge design, with a disc having a leading edge and stem T-head designed to push the disc on to the seat in the closing position. This valve feature guarantees an excellent shut-off seal between the disc and the seat.

In both cases the valve body and disc are fabricated from plate, the stem is fabricated from a monolithic, forged piece. No cast material is used for this valve. Valve port area, stem and disc are hard-faced with Stellite™ #6 to prevent erosion due to the catalyst impingement on the valve/internal surfaces.



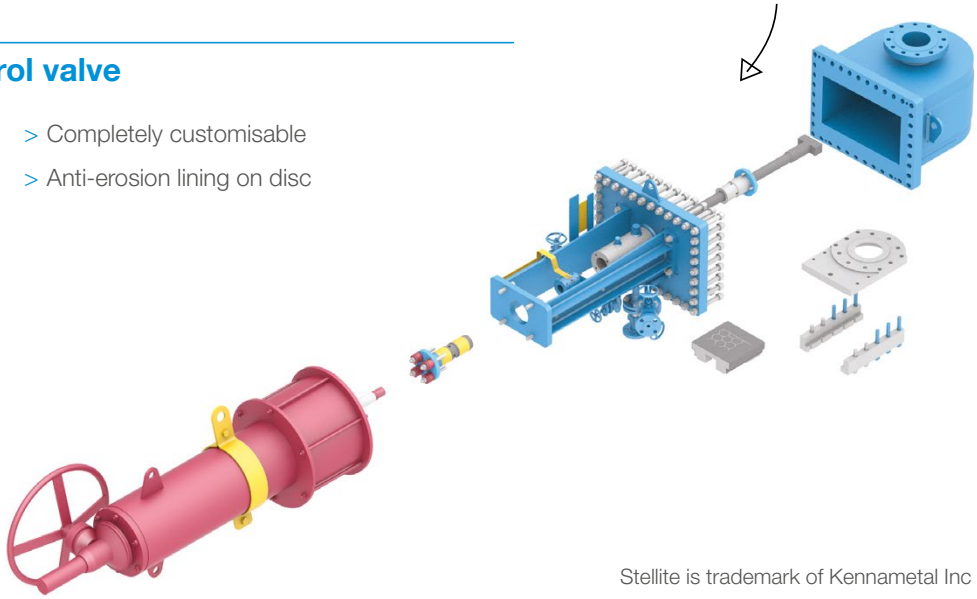
Up to 760° C (1400° F) hot wall design

Completely customisable

Key features: Withdrawal control valve

- > Suspended trim design
- > Replaceable trim and guides
- > Completely customisable
- > Anti-erosion lining on disc

Control valve: Exploded view

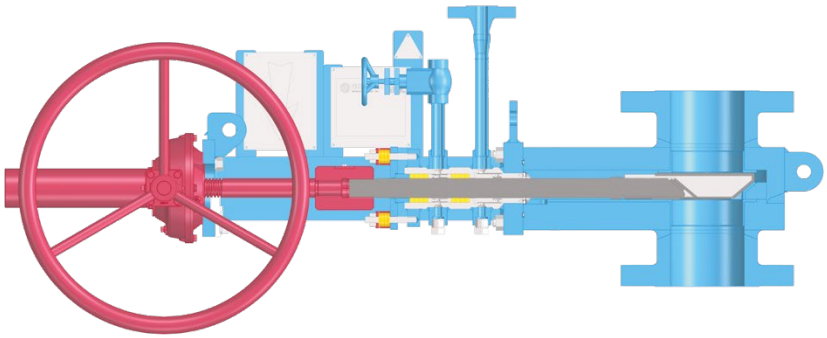


Key features: On/off withdrawal valve

> Disc wedge design
> Reduced footprint
> Stellite™ protected disc
> API 598
> Completely customisable

On/off valve: Section view

Designed for severe applications, high temperatures and high erosion services.



Product specification and dimensions

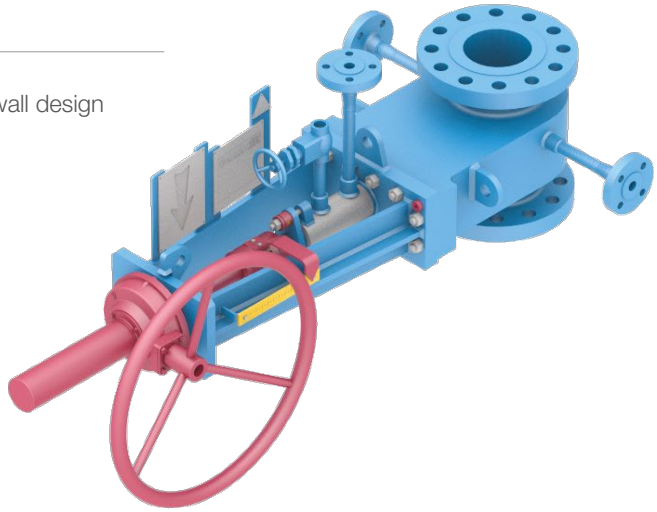
Materials
Body SA 240 TP 304H
Stainless steel
Stellite™ hard facing

Body design
Hot wall

Production range
Up to 20" NPS

Temperature limits
Up to 760° C (1400° F) hot wall design

Designed to ASME standards

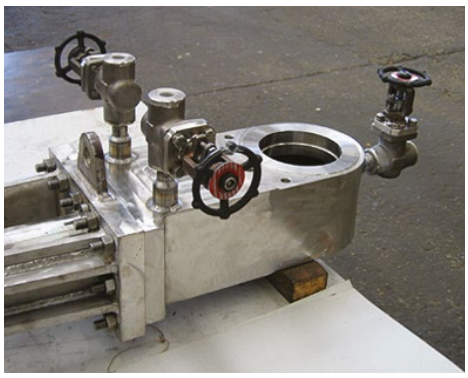


Additional information

Withdrawal valves are designed in accordance with:

> American Society of Mechanical Engineers (ASME) B31.3, Process Piping;
> American Society of Mechanical Engineers (ASME) Section VIII, Division 1, Rules for Construction of Pressure Vessels;
> American Society of Mechanical Engineers (ASME) Section VIII, Division 2, Boiler and pressure vessel Code for Finite Element Analysis.

The valve can be supplied with CE stamp in accordance with the European Pressure Equipment Directive (PED: 2014/68/EU), in conformity with Module G, and European Directive for Equipment and Protective System in potentially Explosive Atmospheres (ATEX: 2014/34/EU).



Powder Withdrawal Valve

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