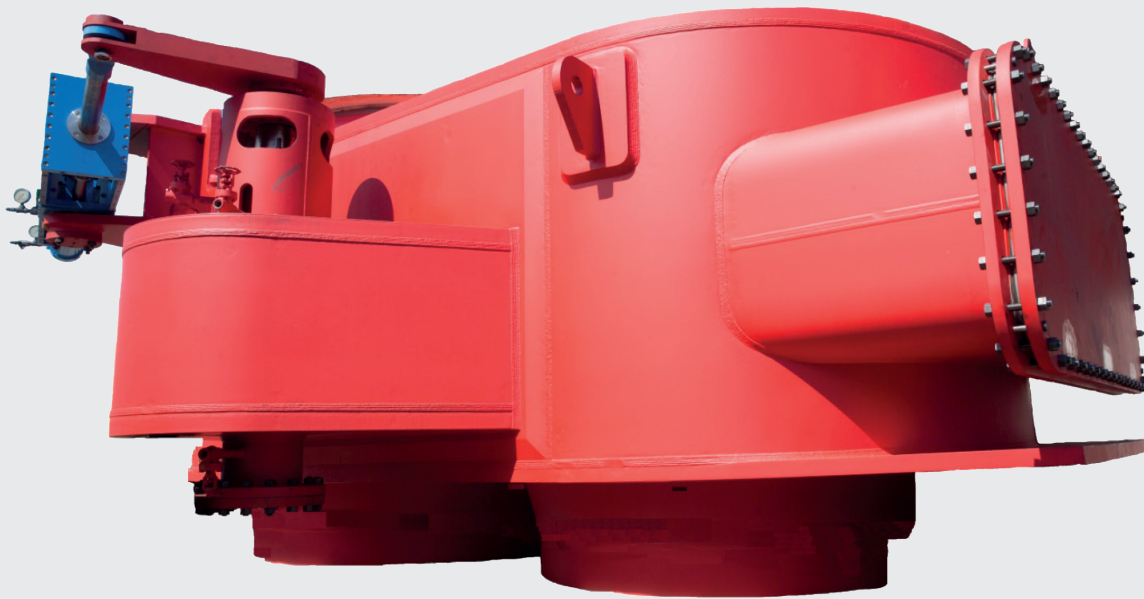



Diverter Valves




Engineering
GREAT Solutions

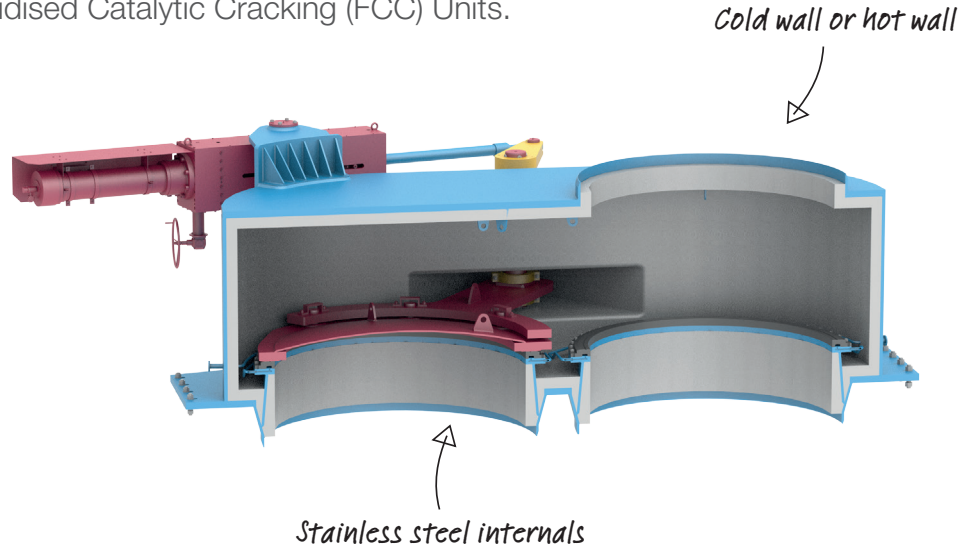
Linear, pendulum, flip-flop and double butterfly diverter valves

Diverter Valves

Our Diverter Valves are specifically designed and manufactured to divert the flue gas to downstream equipment of the Fluidised Catalytic Cracking (FCC) Units.

Key features

- > Fully customisable design
- > Optional seat purging
- > Floating cone design
- > Stainless steel internal components
- > Available in cold wall or hot wall versions



Benefits

The IMI Remosa Diverter Valve is designed for an easy diversion of the flow between two outlet lines.

> Fully customisable design

The valve is engineered and designed to meet any specific customer requirement with the highest safety and quality standards

> Purging injection

Seating ring supports are designed to allow a purging injection to be distributed along the whole seating ring. The purging injection is usually requested when it is important to block downstream leaks as the line is bypassed on the other outlet

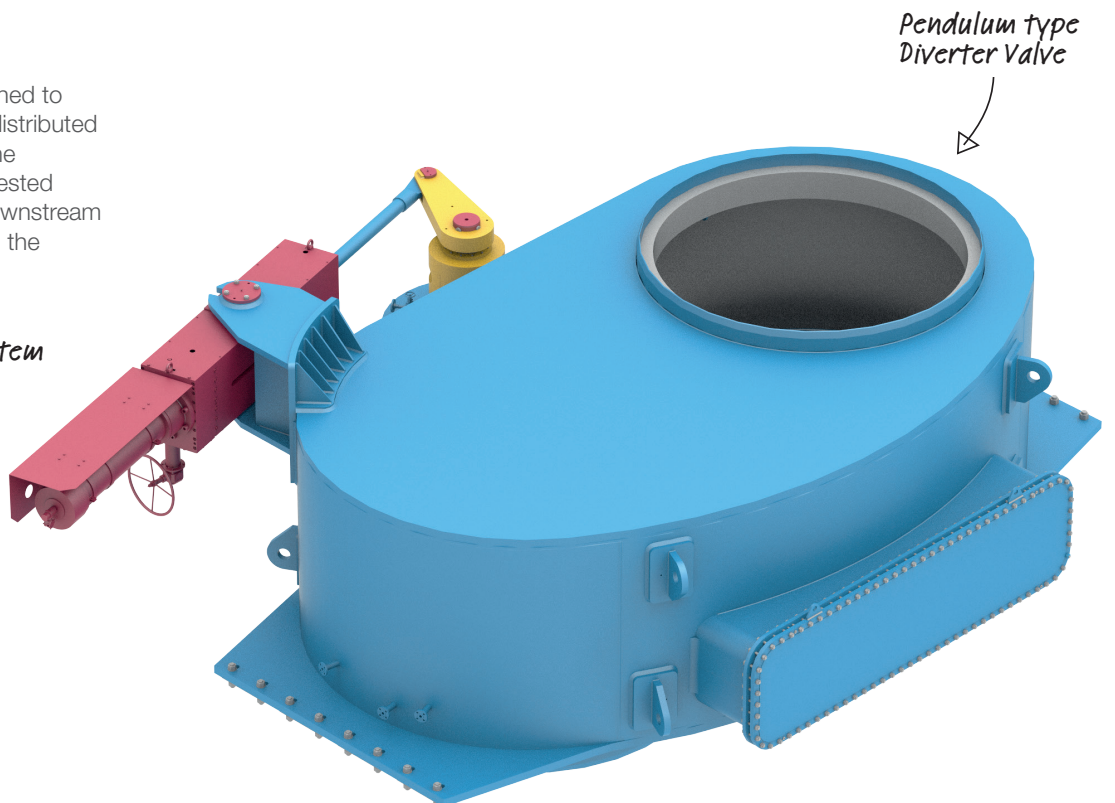
> Floating cone design

The valve outlet cones allow for different thermal expansions between two seats. Smooth operation is ensured under any conditions and thermal transients

> Refractory lining

Refractory installation and testing is performed entirely in-house. Optional anti-erosion lining can be installed on disc surfaces and walls as per customer requirements

IMI Remosa actuating system



Product specification and dimensions

Materials

SA240 304H
Alloy X-750 with THT
Stainless steel
Carbon steel
Stellite hardfacing

Body design

Hot wall
Cold wall

Temperature limits

Up to 950°C (1740°F) cold wall design
Up to 850°C (1560°F) hot wall design

Production range

Up to 150"

Cold shell design	Pendulum	Linear	Flip-Flop	Two Butterfly
Temperature	Up to 950 °C (1740 °F)	Up to 950 °C (1740 °F)	Up to 950 °C (1740 °F)	Up to 950 °C (1740 °F)
Material Handled	Flue gas, steam, catalyst fines	Flue gas, steam, catalyst fines	Flue gas, steam, catalyst fines	Flue gas, steam, catalyst fines
Size	up to 150"	up to 150"	up to 150"	up to 150"
Body	SA 516 Gr. 70 with refractory and/or abrasion resistant lining	SA 516 Gr. 70 with refractory and/or abrasion resistant lining	SA 516 Gr. 70 with refractory and/or abrasion resistant lining	SA 516 Gr. 70 with refractory and/or abrasion resistant lining
Outlet Seating Rings	SA 240 Tp. 304H hardfaced by Stellite #1	SA 240 Tp. 304H hardfaced by Stellite #1	SA 240 Tp. 304H hardfaced by Stellite #1	SA 240 Tp. 304H hardfaced by Stellite #1
Disc	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1
Guides	SA 240 Tp.304H hardfaced by Stellite #1	SA 240 Tp.304H hardfaced by Stellite #1	SA 240 Tp.304H hardfaced by Stellite #1	SA 240 Tp.304H hardfaced by Stellite #1
Shaft/Stem	Alloy X-750	SA 182 F304H	Alloy X-750	SA 182 F304H, Alloy X-750

Hot shell design	Pendulum	Linear	Flip-Flop	Two Butterfly
Temperature	Up to 850 °C (1560 °F)	Up to 850 °C (1560 °F)	Up to 850 °C (1560 °F)	Up to 850 °C (1560 °F)
Material Handled	Flue gas, steam, catalyst fines	Flue gas, steam, catalyst fines	Flue gas, steam, catalyst fines	Flue gas, steam, catalyst fines
Size	up to 150"	up to 150"	up to 150"	up to 150"
Body	SA 240 Tp.304H with abrasion resistant lining	SA 240 Tp.304H with abrasion resistant lining	SA 240 Tp.304H with abrasion resistant lining	SA 240 Tp.304H with abrasion resistant lining
Outlet Seating Rings	SA 240 Tp. 304H hardfaced by Stellite #1	SA 240 Tp. 304H hardfaced by Stellite #1	SA 240 Tp. 304H hardfaced by Stellite #1	SA 240 Tp. 304H hardfaced by Stellite #1
Disc	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1	SA 240 Tp.304H with abrasion resistant lining and/or hardfaced by Stellite #1
Guides	SA 240 Tp.304H hardfaced by Stellite #1	SA 240 Tp.304H hardfaced by Stellite #1	SA 240 Tp.304H hardfaced by Stellite #1	SA 240 Tp.304H hardfaced by Stellite #1
Shaft/Stem	Alloy X-750	SA 182 F304H	Alloy X-750	SA 182 F304H, Alloy X-750

IMI Remosa

Viale Pula 37
09123
Cagliari
Italy

Tel: +39 070 202 0252

imiremosa.sales@imi-critical.com

IMI Critical Engineering

Lakeside, Solihull Parkway
Birmingham Business Park
Birmingham B37 7XZ
United Kingdom

Tel: +44 (0)121 717 3700

Fax: +44 (0)121 717 3701

www.imi-critical.com