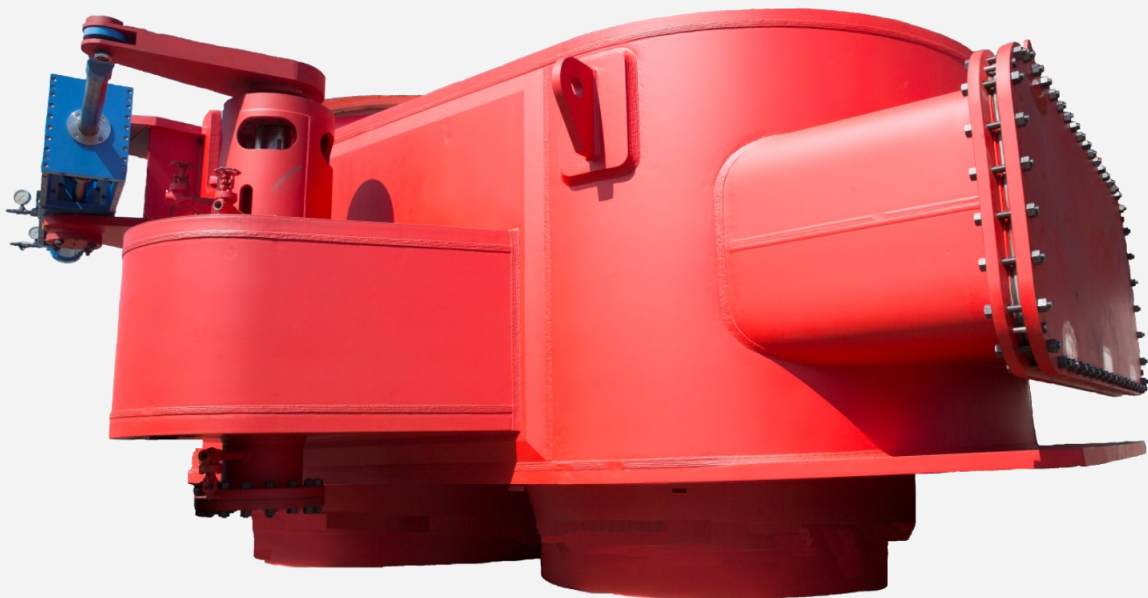


Diverter valves



Engineering
GREAT Solutions

LINEAR TYPE
PENDULUM TYPE
FLIP-FLOP
TWO BUTTERFLY

Diverter Valves

Our Diverter Valves are specifically designed and manufactured to divert the flue gas to the CO Boiler or the the by-pass stack in the flue gas line of the FCC Units.

Key features

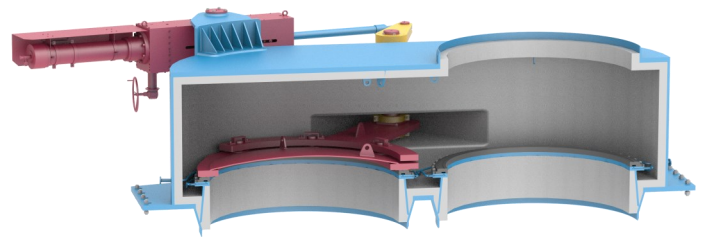
- > Fully customizable design
- > Optional Seat Purging
- > Floating Cones Design
- > Stainless steel internal components
- > Available in Cold Wall or Hot Wall design

Benefits

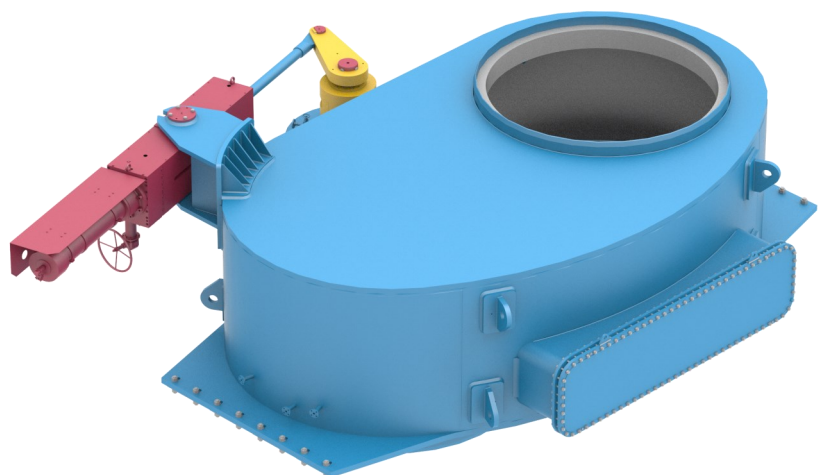
The IMI Remosa Diverter valve is designed for an easy diversion of the flow between CO Boiler and Stack.

- > Fully customizable design
Valve is engineered and designed in order to meet any specific Customer need with highest safety and quality standard.
- > 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 on the CO-Boiler outlet port, because it is important to block leaks of process gas when the CO-Boiler line is being bypassed.

- > Floating Cones Design
Valve outlet cones allow a different thermal expansions between two seats. Valve can be smoothly operated under any conditions and thermal transient.
- > Refractory Lining
Refractory installation and testing is completely performed in house. Optional antierosion lining can be installed on disc surfaces and walls as per Customer specifications.



Pendulum Type Diverter Valve



Product specification and dimensions

Materials

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

Production range

up to 150"

Temperature limits

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

Full valve selection available on our website

Body design

Hot Wall
Cold Wall

www.imi-critical.com

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

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