

## VCL PRODUCT RANGE

Lever Valves



Google Valves  
Lateral and swing type



Double Eccentric Valves



Butterfly and Louver Valves



Dust Outlet Valves



Hot Blast Valves (Energy Saving)



Tuyere Stocks (Energy Saving)



Double Plate Wedge Gate Valves



## ADDITIONAL PRODUCTS

Push Lever Valves, Short Valves, Bleeder Valves, Equalizing & Relief Valves,  
Back Draft Valves, Non Return Valves, Line Blinds

## ADDITIONAL SERVICES

Repair Service, Refurbishment and Modifications,  
Spare parts for each kind and brand of Valves

# HOT BLAST VALVES

WITH MINIMUM COOLING AND  
EXCHANGEABLE COOLING RINGS



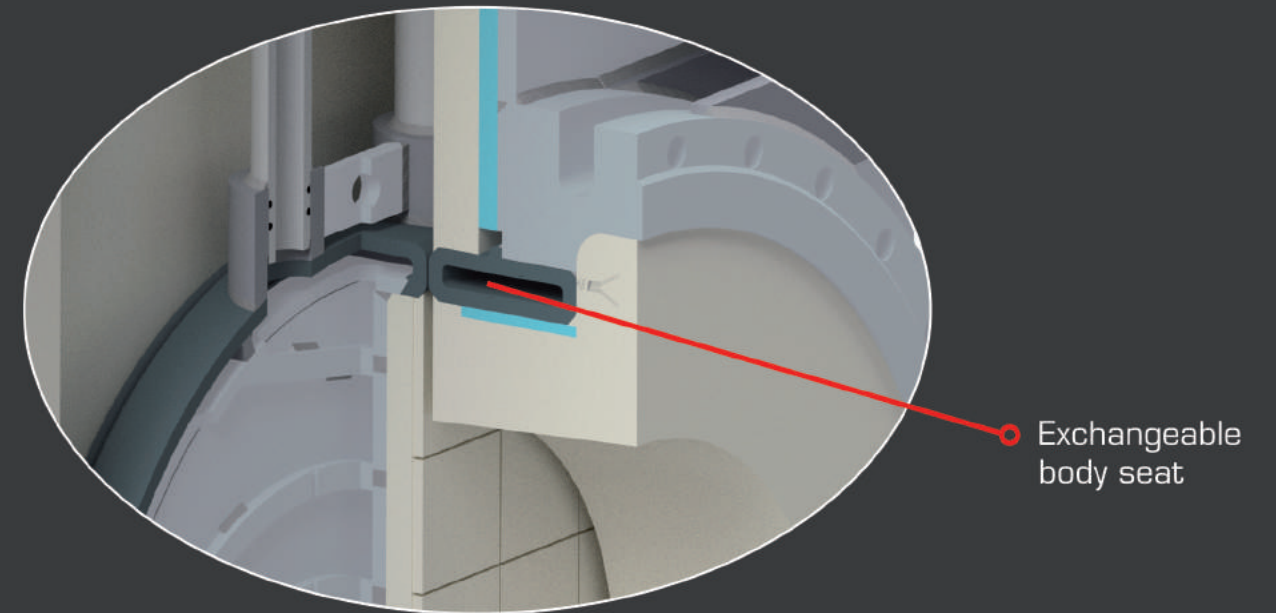


## DESIGN FEATURES OF HOT BLAST VALVES

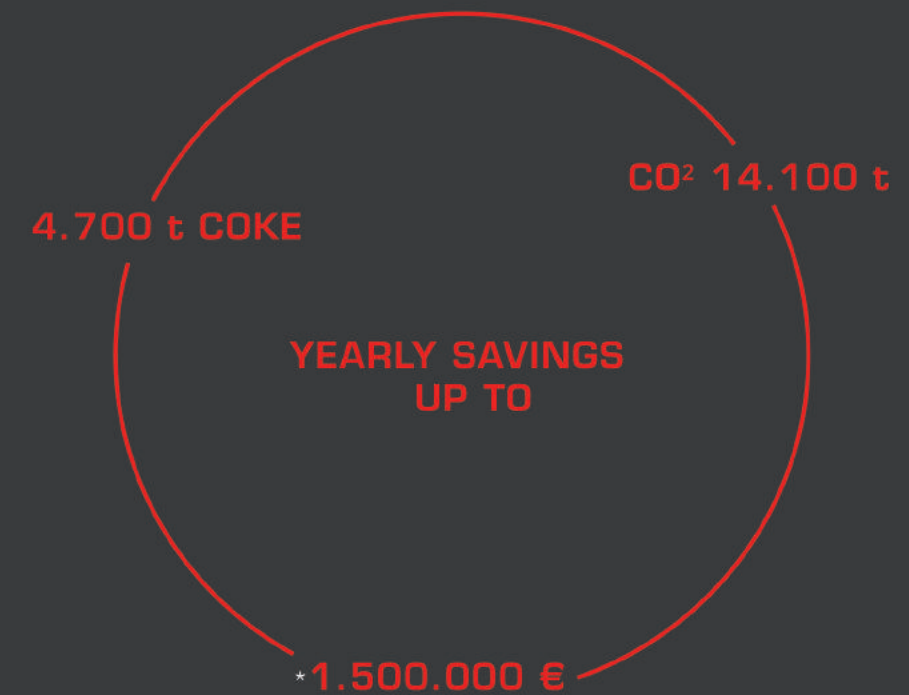
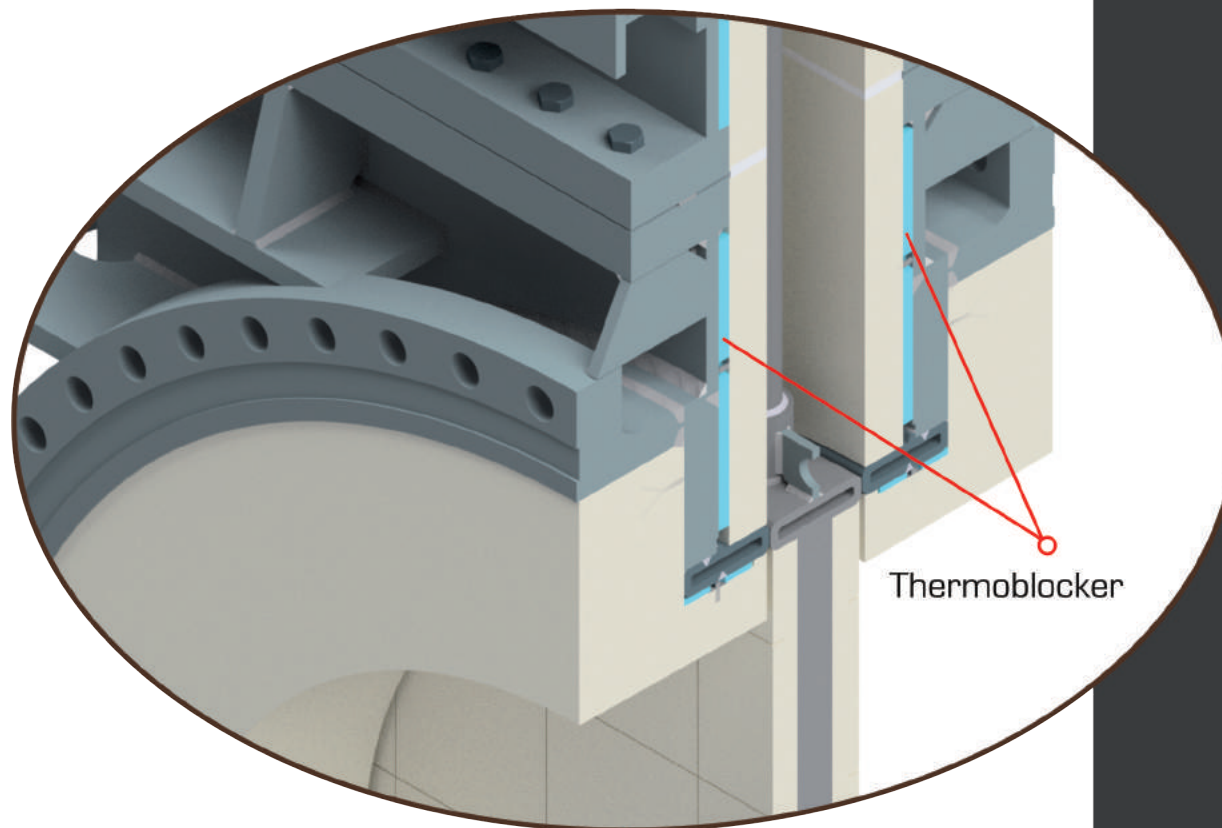
- Minimized heat loss due to optimized isolation of body and bonnet
- Special design cooling water passages provide optimum flow.
- Sealing in both direction, floating paddle design.
- Valve actuation in accordance with customers' requirements (man./electr./hydr./pneum.)
- Pressure rating up to 6 bar.
- Service temperatures up to 1550°C.
- Nominal sizes up to 3.000 mm (120 inch).
- Other sizes or operating conditions on request.

## THIS DESIGN GUARANTEES

- Considerable reduction of required quantity of cooling water.
- Extended operational life of the valve due to thermal insulation which reduce the thermal stresses to the valve.
- Less deposits in cooling water channels, by decreasing the area cross section of the channel and increasing the speed.
- Improved maintenance due to optimized valve design and exchangeable body seats.
- Reduced operating costs due to decreased heat loss and reduction in amount of cooling water.



- Customized prefabricated cooling water rings can be ordered in advance of the planned refurbishment.
- All strength and leakage tests can be executed in advance.
- Manufacturing time for refurbishment can be reduced to a minimum



Individual cost saving calculation can be done upon request.  
 \*Savings depending on size of BF, coke price and CO<sub>2</sub> emission cost