

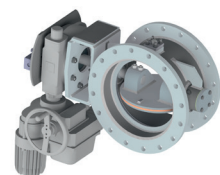
## VCL PRODUCT RANGE



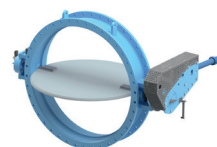
Goggle Valves



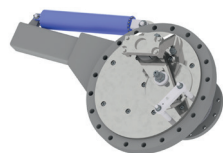
Lever Valves



Double Eccentric  
Valves



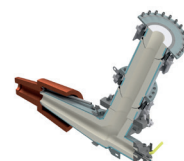
Butterfly and  
Louver Valves



Dust Outlet  
Valves



Hot Blast  
Valves  
(Energy saving)



Tuyere Stocks  
(Energy saving)



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



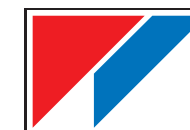
**VCL** Valve  
Competence  
Luxembourg

JV of Paul Wurth & [www.sab.lu](http://www.sab.lu)

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# BLEEDER VALVES

BLAST FURNACE SAFETY VALVES



**VCL** Valve  
Competence  
Luxembourg

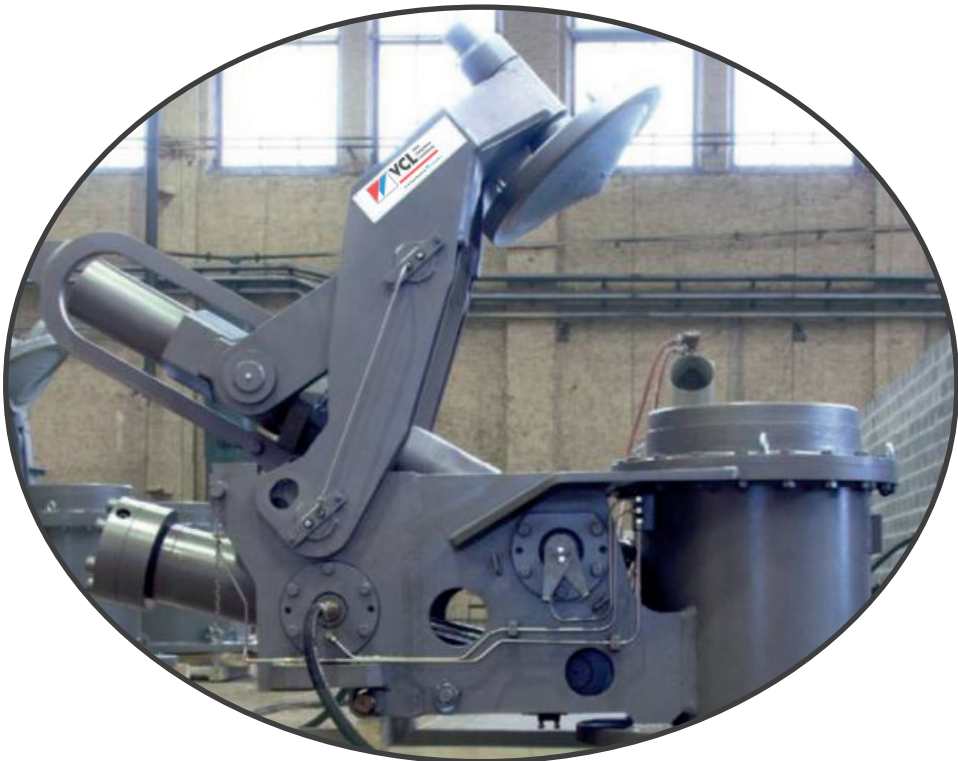
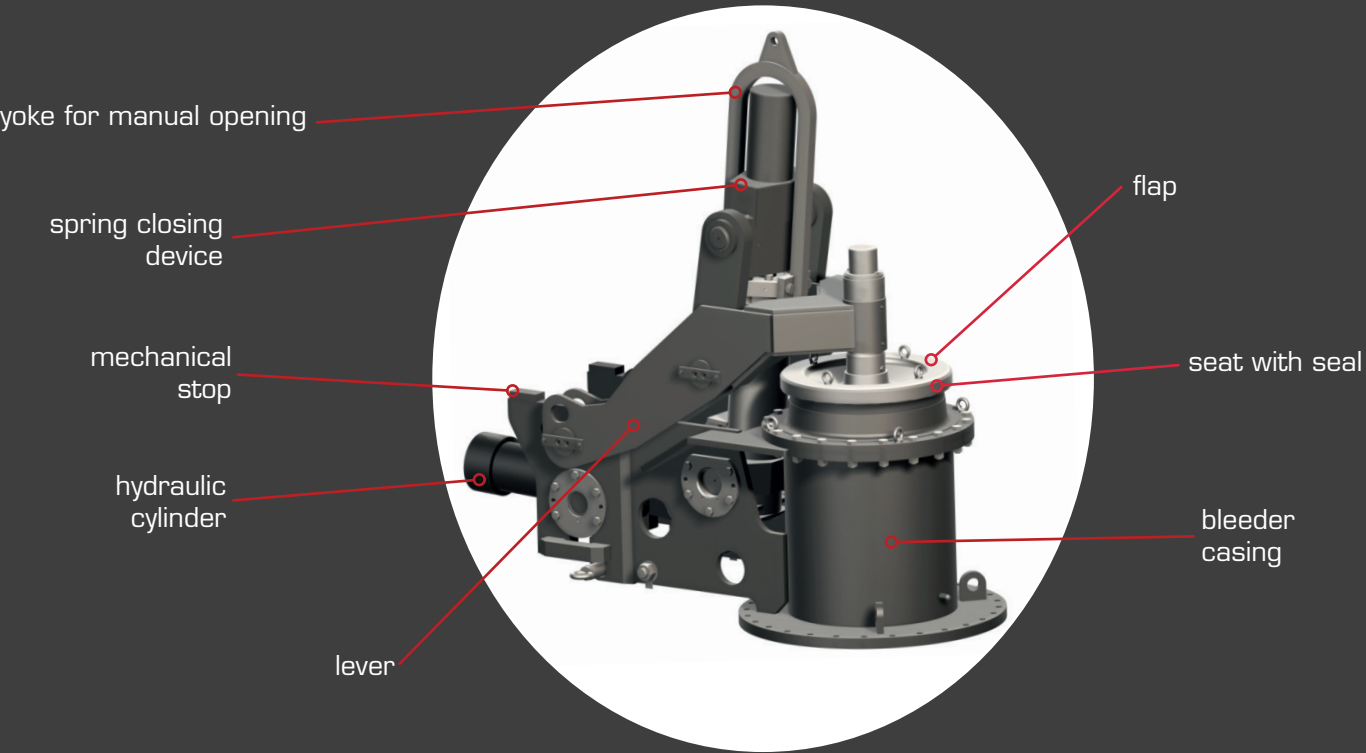
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DESIGN FEATURES OF BLEEDER VALVES

- Fabricated construction
- Valve actuation by hydraulic cylinder (Standard)
- Pressure rating up to 6,0 bar
- Service temperatures up to 500 °C
- Nominal sizes up to DN 800
- Other sizes or operating conditions on request

THIS DESIGN GUARANTEES

- Reliable emergency opening against springs
- Only minimal overpressure in bell less top and washer after (emergency) opening of the bleeder -> good protection of equipment
- Reduced maintenance and improved accessibility of equipment which is located on the same platform
- Higher reliability & availability thanks to continuously improved design and customer feedback over several years



Bleeder Size [DN]	500	630	800
Opening time [s]	4	4	6
Closing time [s]	3	3	4
Connecting flange [DN]	800	1000	1000
Blow-off section [m²]	0,19	0,31	0,50