SPECIAL VALVES

Taking advantage of its long-standing know-how in designing and supplying special valves for severe operating conditions for metallurgical plants like blast furnaces, the VCL's Oil & Gas division today develops, manufactures and distributes special valve solutions for refineries and petrochemical plants.

TRANSFER LINE AND DECOKE LINE ISOLATION VALVES, SINGLE GATE-PLATE DESIGN

In the field of Ethylene Production, VCL offers Transfer Line and Decoke Line Isolation Valves tailored to your needs.

The Single Gateplate type Gate Valve has a higher tightness and subsequently a higher safety level than other designs. It provides a permanent contact with defined, positive sealing force between the upstream- and downstream valve seats and gate plate by means of precise, mechanical adjustment independent of the medium flow direction.

Key features

- Double Block and Purge performance within one valve body
- No springs in use
- No lift-off in case of back-pressure.
- Special valve-body design to avoid unequal seat deformation provides:
  - higher tightness (20% less steam leakage)
  - less deformation of the connecting flanges
  - less stress to the valve-body welding-seams
  - better fatigue performance
- Open throughway without flow restrictions in open position
- Electrical, hydraulic or pneumatic options available for valve actuation
- Valve design according to customer demands and licensors/customers specifications
ETHYLENE PRODUCTION

Typical Figures

- size from 10" (250 mm) up to 58" (1450 mm)
- operating temperature up to 525° C
- operating pressure up to 16 bar(g)
- actuation: electric, pneumatic or hydraulic

Other sizes, design features and / or operating features are available on request.
VCL PRODUCT RANGE - OIL & GAS

ETHYLENE
Double Disc- and Single Gate-plate Valves

DELAYED COKING
Top- and Bottom Unheading Valves

PDH / CATOFIN
Wedge within Wedge Gate Valves

REFINING / FCC
Slide Valves and Fractionator Isolation Valves

ADDITIONAL PRODUCTS - IRON & STEEL

Goggle Valves, Lever Valves, Double Eccentric Valves, Butterfly and Louver Valves, Dust Outlet Valves, Hot Blast Valves, Tuyere Stocks, Wedge Gate Valves

Push Lever Valves, Snort 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

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