

KHA FOR COKE GAS APPLICATION:

Coke is an important component needed for the combustion process in the blast furnace of a steel plant. Coke will be produced out of coal by the pyrolysis process (heating of coal) at temperatures of 900 - 1400°C. As a side product from the pyrolysis process, coke oven gas is generated which will be reused for firing purposes in the coke oven. Coke oven gas is a very hot, sticky and ammonia-containing gas. In the supply pipeline of coke gas to the coke oven, Klinger Ballostar KHA ball valves with KFC soft-seated sealing elements in double block and bleed execution are used. In addition, the valves will be operated with pneumatic actuators in a very short period of time.

Advantages of the KHA double block and bleed for coke oven gas:

- » Soft-seated KFC sealing elements have elastic properties and firm design at the same time which increases the lifetime of the valve in this demanding application
- » Leakage rate A also by usage of a hot and sticky media and bidirectional flow
- » With additional PEEK washer in the stuffingbox valid for many opening / closing operations
- » The double block and bleed feature ensures that the valve cavity could be drained when the valve is closed. → Reduction of maintenance costs
- » Leakage detection during operation via the test and drain valve is possible
- » ISO TOP flange acc. EN ISO5211 on the valve for installation of pneumatic actuators for quick opening and closing
- » Full availability of spare parts for the valve

KHA FOR COKE GAS APPLICATION:

Coke oven batteries



KHA DB&B



KHA FOR COKE GAS APPLICATION:

Construction KHA double block and bleed for coke oven gas:

- » (1) Stuffingbox with AFLAS O-Rings with PEEK washer (max. 200°C). On demand: AFLAS/GRAPHITE stuffing box (max. 300°C)
- » (2) Sealing elements KFC soft seated (leakage rate A)
- » (3) Body: Material 1.0619 or 1.4408. Process connections available in flanged ,welded end and threaded end version
- » (4) Solid ball with cylindrical passage in stainless steel 1.4401 or 1.4408
- » (5) Drain / test cock for double block and bleed
- » (6) Body gasket C4430
- » (7) ISO TOP flange acc. EN ISO 5211
- » (8) Pneumatic actuator for quick opening and closing

