

KLINGER Fluid Control

Application Case

KLINGER Ballostar KH(SV)I for walking beam & pusher furnace

Application location:

Walking beam & pusher furnace

Media:

Blast furnace gas & coke oven gas

Media properties:

Coke oven gas: hot, sticky, ammonia containing
 Blast furnace gas: dirty, abrasive, solid containing

Operating temperature:

>200°C

Operating pressure:

>5 bar



Description of application:

For the heating system of the walking beam and pusher furnace in a steel plant, two medias are used: blast furnace gas and coke oven gas.

Blast furnace gas is dirty, abrasive and contains solids. The KLINGER ball valve KH(SV)I with metal seats is the perfect solution for this harsh condition. Coke oven gas is hot and sticky. For this application the KH(SV)I with soft seats in double block & bleed execution can be used. Both valve versions can be equipped with pneumatic actuators for quick opening and closing.

Execution of ball valve series KH(SV)I for walking beam & pusher furnace:

Line size range: DN150 - DN800, PN25/40

Stem sealing: AFLAS O-Rings up to 200°C

Stem material: 1.4104, 1.4401

Sealing system ball: KFC soft seated for coke oven gas

Metal seated stainless steel 1.4436 for blast furnace gas

Ball material: Nodular iron, chrome coated, EN-JS1030Fe/Cr30f,mt

Body material: Cast steel 1.0619 or stainless steel 1.4408

Additional equipment:

- .) Flanged version or weld ends
- .) Drain/ test cock for double block and bleed
- .) Additional purge connections for seat cleaning
- .) Pneumatic and electric actuators
- .) Mechanical gears



Contact person for further information

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