

KLINGER Fluid Control

Application case for steel industry

KLINGER Ballostar KHA for metal sheet cleaning

Application location:
Secondary steel making

Media:
Blue acid gas & hydrochloric acid

Media properties:
Blue acid gas is very toxic and abrasive
Hydrochloric acid is very abrasive and aggressiv

Operating temperature:
Below 100°C

Operating pressure:
Below 10bar



Description of application:

In the secondary steel making area of a steel plant, blue acid gas and hydrochloric acid is used for sheet metal cleaning. The surface of the hot rolled metal sheets has to be protected against oxidation which would lead to corrosion. Therefore many steel plants are going to treat metal surfaces with blue acid gas and hydrochloric acid. For both medias the KLINGER Ballostar ball valve KHA is used. It is important that all wetted parts are resistant against the chemical properties of both medias.

Execution of ball valve series KHA for blue acid gas & hdrochloric acid:

Line Size range: DN15 - DN125, PN40/63/100

Stem sealing: PTFE labyrinth stuffingbox
Peek friction washer for high operating cycles on demand

Stem material: 1.4104, 1.4404

Sealing system ball: Soft sealing KFC, leakage rate A

Ball material: Stainless steel 1.4401 (optional with chrome coating)

Body material: Stainless steel 1.4408

Additional equipment:

- .) Flanged version or weld ends
- .) Pneumatic actuators for quick closing
- .) Actuator accessories: solenoid valve, limit switches, emergency hand wheel



Contact person for further information

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