



KLINGER Fluid Control

Application Case for the Pulp & Paper Industry

KLINGER Ballostar KHA for a bleaching process

Application Location: Pulp bleaching	 <div style="display: flex; justify-content: space-around; margin-top: 5px;"> 1st step 2nd step 3rd step 4th step </div> 
Media: Hydrogen Peroxide H2O2	
Media properties: Abrasive/aggressive media Quick expansive	
Operating Temperature: Different	
Operating Pressure: PN25	

Description of application:

After the pulping procedure, the obtained pulp will be dried and bleached for the subsequent processing of white paper. The used bleaching media is H2O2 (hydrogen peroxide) which is very aggressive, abrasive and expansive. For such an aggressive media KLINGER Fluid control recommended a ball valve in stainless steel with a PTFE stuffing box and PTFE seat seals that are oil & grease free. The upstream sealing element is equipped with an additional pressure relief drilling to avoid a too large media expansion in the cavity of the ball valve.

Execution of ball valve series KHA for a bleaching process:

- Line Size range:** DN15 - DN125, PN40
- Stem sealing:** PTFE labyrinth stuffing box
- Stem Material:** 1.4104, 1.4404
- Sealing system ball :** Pure PTFE
- .) Upstream sealing element with pressure relief drilling for cavity
- Ball Material:** Stainless steel 14401/14408
- Body material:** Stainless steel 1.4408
- Additional equipment:**
 - .) Flanges - weld ends or threaded ends
 - .) Cleaning: valve must be oil & grease free
 - .) With additional PEEK washer on stem for high operating cycles
 - .) Pneumatic actuator for fast closing



Contact person for further information

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