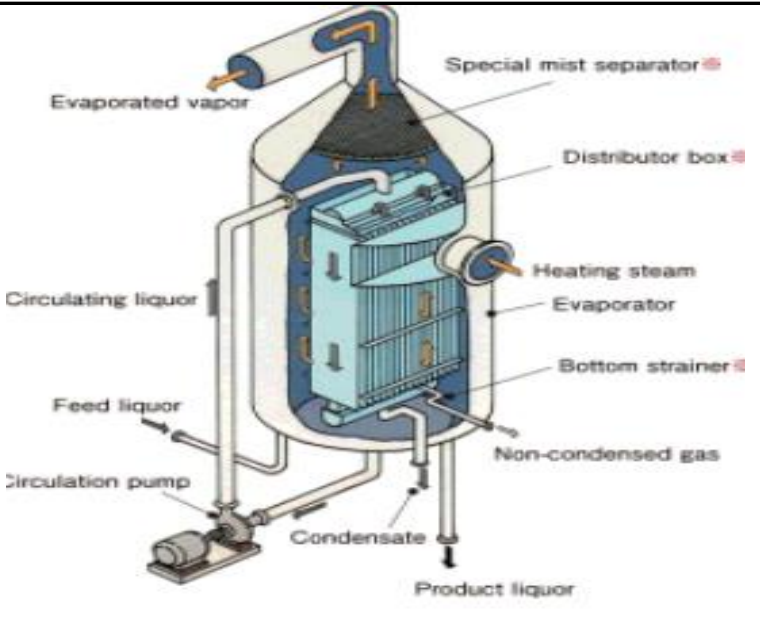


# KLINGER Fluid Control

## Application Case for Pulp & Paper

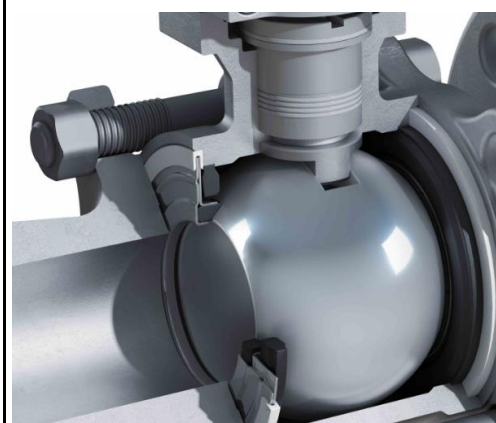
### Klinger Ballostar KHA for nitric acid

<b>Application Location:</b> Recausticizing & Evaporation Area	
<b>Media:</b> Nitric acid	
<b>Media properties:</b> Abrasive and corrosive media	
<b>Operating Temperature:</b> Different	
<b>Operating Pressure:</b> PN25	

**Description of application:**  
 In the recausticizing and evaporation area of some pulp and paper plants, the pipelines for green liquor will be cleaned with nitric acid to avoid clogging. Nitric acid is a very abrasive and corrosive liquid and will be used to dissolve solids which are sticking on the inner surfaces of the pipelines. The aggressiveness of this liquid can change with pressure and temperature. KLINGER Ballostar KHA ball valves are the perfect solution when nitric acid is used to clean the pipe.

**Execution of ball valve series KHA for nitric acid:**

- Line Size range:** DN15 - DN125, PN16/25/40/63/100
- Stem sealing:** PTFE labyrinth stuffing box
- Stem Material:** 1.4104, 1.4404
- Sealing system ball:** KFC soft sealing (75%PTFE & 25% graphite coal)  
 .) KFC --> leakage rate A
- Ball material:** Stainless steel 14401/14408
- Body material:** Stainless steel 1.4408
- Additional equipment:**
  - .) Flanges, weld ends or threaded ends
  - .) Full or reduced bore
  - .) With additional PEEK washer on stem for high operating cycles
  - .) Pneumatic actuator for fast closing



**Contact person for further information**

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