

Case Studies

Industry: Pulp & Paper

“The Fog Engineers”
いけうち H. IKEUCHI & CO., LTD.

Process: Paper Making

Automating tank cleaning allows an operator to carry out another concurrent work.

Looking for a new approach alternative to manual tank cleaning.

At a paper making factory, an operator manually cleans tanks for sizing solution and white water using high-pressure water about 3 MPa.

Continuously attending to one tank to clean up the solutions or pulp fibers is time-consuming and moreover does not allow him to carry out other tasks; this needs to be improved.



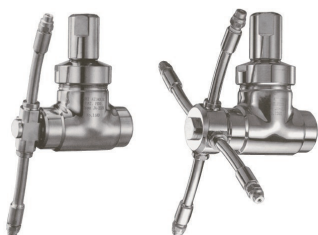
Release from the manual labor. Go for another task leaving it to automated cleaning.

The factory asks us for a solution to automate tank cleaning. A rotating nozzle that can be used at high pressure and provide a powerful cleaning capability by spraying solid stream jets is proposed. The effect is confirmed in a demonstration test.

The nozzle is soon installed after the test resulted in a satisfactory cleaning effect. The nozzle can be left hanging in the tank, and the cleaning starts just by twisting the valve.

Installation of the nozzle that releases the operator from the work of continuously attending to the tank is highly appreciated.

Additional nozzles are under consideration for much more places where installations are desired.



Tank cleaning nozzles

JETATTACKER, JA series

Its operating pressure is from 0.3 to 3.0 MPa. Powerful solid stream jets rotating 360 degrees evenly clean dirt.



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