

PAPER MILLS

High-pressure shower pumps for paper machines

Continuous water for felt and wire-screen showers, water-jet cutting and central flushing.



109

supply records in pulp and paper, 2007–2026

6 mills

of Vinda use EHIK shower-water pumps

**Vinda
Xiawang Paper**

are among our paper-mill customers

THE WATER SIDE OF PAPERMAKING

Three water circuits, different demands

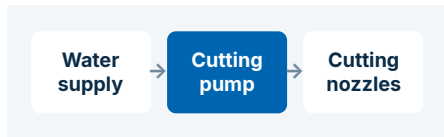
The pump supplies the water. The shower or cutting system decides where it is used, the nozzle pressure and how many outlets run at the same time.



MAIN APPLICATION

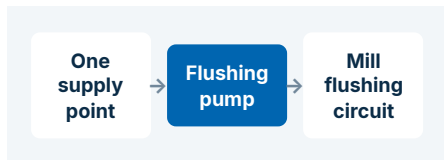
Felt and wire-screen showers

Cleaning water for the shower headers that clean paper-machine fabrics and wire screens.



Water-jet cutting

A small flow of high-pressure water for the cutting nozzles.



Central flushing

Water for the mill's flushing circuit from one supply point.



ON THE MACHINE

Pump pressure is not shower pressure

Pipework, control valves, filters and height differences reduce the pressure. The pump must cover the pressure needed at the nozzles plus these losses.

High head at low flow

A single-stage design gives the head needed for difficult water circuits, without many pumping stages.

One supplier for pump and drive

Pump, drive and base, with drawings and performance curves for the mill team.

Continuous water delivery

The rotating pump has no back-and-forth strokes, so the showers or cutting nozzles get a continuous flow.

Water applications only

These pumps handle water for cleaning and cutting, not pulp stock, fibre slurry or black liquor.

— INSTALLED EQUIPMENT

Shower, cutting and flushing pumps in service

VINDA · 6 MILLS

Felt and wire-screen showers at Vinda



Felt and wire-screen shower pumps at a Vinda paper mill.



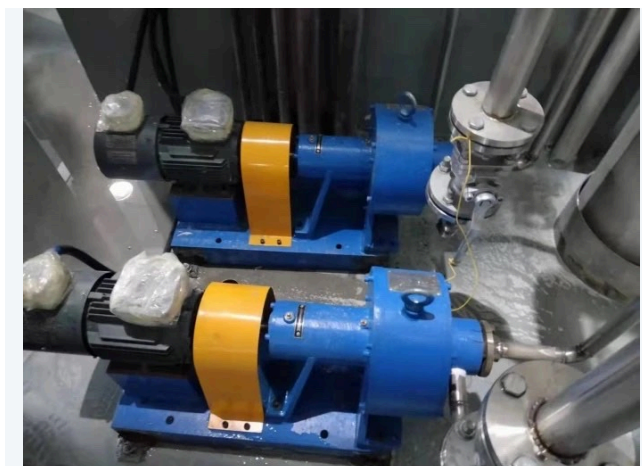
Shower-pump installation with the surrounding pipework and valves.

EHIK pump sets supply water for felt and wire-screen cleaning at Vinda's paper mills, through the headers and valves. At Vinda, the pump sets are part of the mill's felt and wire-screen washing system, installed next to the paper machine.

Vinda mills with EHIK pumps: Liaoning, Hubei, Yangjiang, Zhejiang, Beijing and Shandong.

XIAOWANG PAPER

Water-jet cutting and central flushing



EHIK pump sets serving the water-needle cutting application.



A separate EHIK pump serving the mill's flushing-water circuit.

Separate EHIK pump installations serve the water-needle cutting and central-flushing applications. The cutting nozzles set one group of pump requirements; the active outlets and total demand set the flushing requirements.

FROM NOZZLE DEMAND TO PUMP SELECTION

Match the pump to the water circuit

The pressure at the pump is not the same as the pressure at the shower. Pipework, control valves, filters and height differences reduce it.

Flow and pressure

Nozzle type, number, flow and pressure decide the water demand. The selection covers minimum, normal and peak demand, including shower groups that run together.

Water and inlet supply

The water source, temperature, inlet pressure or tank level, filters and suspended solids affect the selection.

Operation and what's included

Continuous or part-time use, controls, standby pumps, power supply and space decide the package.

Can one pump supply several shower groups?

It depends on the total flow and which groups run together. EHIK reviews the demand and the operating sequence when defining the pump and controls.

Can treated or reused water be used?

Both the pump and the nozzles must suit the water's chemicals, particles and filtration. EHIK checks the pump together with the nozzle system's water-quality needs.

Can EHIK replace an existing shower pump?

Yes. We review the water requirements, the problem and the connections with you. Custom flanges can match your existing piping.

Send us your nozzle flow and pressure.

We reply within 1 business day.

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