

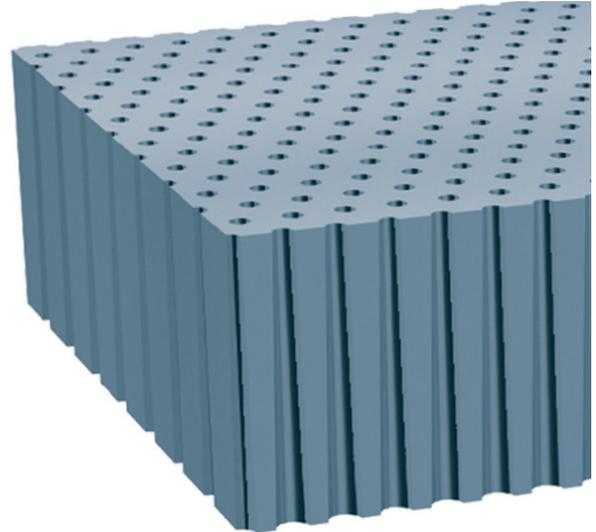
# For clearly better screening

## Valmet Screen Basket H2

Screen Baskets H2 is Valmet's innovative screen basket designed to enhance fiber removal and water cleaning. The secret behind the added efficiency is the millions of tiny perforations.

By means of electron-beam drilling, more than five million holes per square meter are perforated in the plate. Despite the perforations' tiny size, their great number increases the percentage of open screen basket surface to more than 10%.

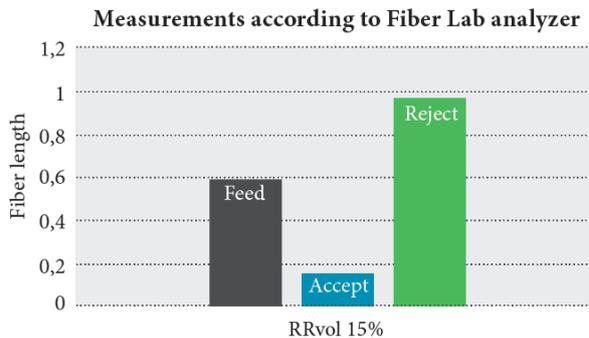
In addition to better capacity, Screen basket H2 helps keep screens clean. The special electron-beam drilling method makes the perforations ideally conical, so they remain clean and open. The Screen Basket H2 is designed for use in fiber recovery and water cleaning applications.



For many years, this technology has also been successfully applied to black-liquor cleaning at chemical pulping plants.

The Screen Basket H2 solution works for all types of pressure screens and all applications.

Fiber-length measurements around the screen clearly show that long fibers can be recovered and water cleaned.



*Fiber-length measurements around the screen clearly show that long fibers can be recovered and water cleaned.*

## Powerful fiber recovery

Screen Basket H2 helps papermakers save costs – by minimizing fiber losses. Useful fibers can be recovered from process waste water and filtrates, and returned back to the process. With a volumetric reject rate of less than 10%, up to 80% of useful fibers (>0.3 mm) are recovered with Screen Basket H2. Usually, the filler material in the water penetrates even through tiny holes.

## Clean water for spraying

When spraying nozzles with small holes are used, the shower water must be very clean. The Screen Basket H2 in the pressure screen effectively removes long fibers from the shower water before they plug the spray nozzles. A free flow of shower water is crucial, since plugged nozzles may cause unexpected and costly process shutdowns.

## An alternative to bow screens

Some filtering systems require a special device to remove long fibers and harmful debris from water that is to be treated. Traditionally, a bow screen has been used for this purpose. A pressure screen equipped with Screen Basket H2 with numerous tiny perforations is superior to a bow screen, as it effectively prevents foaming, bacteria growth and slime build-up.

### Performance supplier

As a part of Valmet Service organization, we are devoted to serving you. We provide our customers with optimized, tailor-made solutions. Please contact your local representative for more information.