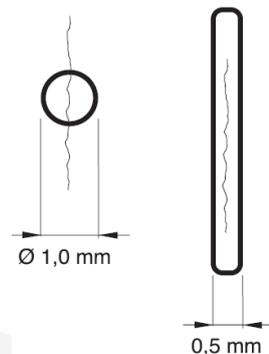


ROTO-SIEVE® Outperforms Channel Screen in Application for MBR Protection

Facts Perthes WWTP	
Location:	50 km south of Paris, France
Capacity:	up to 1440 m ³ /d
Treatment:	Activated sludge and physical separation by immersed membrane
Operation:	Plant Commissioned 1999. Rebuilt with ROTO-SIEVE® 2004
Other:	



Difference between perforated holes and slots

Solution

History

The plant was built 1999 by OTV and has since then been operated by Veolia. To protect the membranes a channel screen with slotted perforation was installed.

Already in the beginning of 2004 the membranes were replaced due to fatigue. The client finding the short lifetime of his expensive membrane unacceptable started looking for other solutions. He contacted Roto-Sieve France which came up with the solution of replacing the channel screen with a ROTO-SIEVE® drum screen.



ROTO-SIEVE® Drum screen model 51

QingHe wastewater treatment plant is one of the largest in whole of the Beijing area. The plant is built in two stages, partly by Purac in 1996 and 2003.

The plant is now fully loaded and there is a demand for extension of the capacity. There is also a demand for reuse of wastewater for mainly industrial use. To solve both these demands a decision was taken to extend the plant with a MBR facility for a partial flow. By using MBR technology could a part of the incoming wastewater be treated directly to high quality water fulfilling the demands for reuse and the extension could be done with the small footprint needed.

During 2009 when the MBR facility was designed, Läckeby Products was contacted by Purac China to offer ROTO-SIEVE® drum screens for membrane protection. The reason was that previous experiences with normal channel screens had proven unsatisfying and this was known by Purac China.

With almost 100 installations in the world and over 50 in France Läckeby Products has experience showing that the ROTO-SIEVE® is the best solution for protection of MBR systems.

After a visit by a Chinese delegation in France they had no doubt's that the ROTO-SIEVE® was the solution that should be chosen.