

# Special ejectors for waste water aeration



Körting waste water aerators are extremely reliable and require very little maintenance. For industrial and local-authority treatment of waste water, they are considered powerful and cost-effective oxygen transfer systems. By liaising closely with the client, Körting experts enhanced an outdated system supplied in 2004 and therefore boosted its service life considerably.



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Removing one of the bodies on the 8-jet waste water aeration ejectors – the stainless steel ejector arms are easy to see

The waste water from a paper factory as well is treated in a sewage plant which is operated by IN-TROTEC Schwarza GmbH within an industrial park. As this waste water has a high level of lime, the ejectors have to be removed and cleaned regularly. Because lime-scale forms on the inside, the 8-jet aerator made of plastic (PP) is subject to extreme wear and tear. This phenomenon is otherwise unknown in ejector aeration. The results were deflection of the jet and erosion on the water nozzle. To avoid this sort of damage and prevent decreased levels of oxygen entering, Körting created a customised solution for the client. Back in 2007, ejector arms were fitted. In conjunction with a coating on the flow channel and a special stainless-steel nozzle, much longer service lives and shorter

cleaning cycles were the upshot.

## Further enhancement of the aeration system

Körting Hannover AG places top priority on ensuring direct contact to its clients. The joint goal was to improve the technology used, so the company started to talk to the organisation operating the sewage plant. Consequently, further components and the flow control in the body were changed. A specially designed, removable lid to the body was also fitted. These aspects made the ejector body easier to clean, translating into savings in terms of time and costs for the client. A dedicated tool was designed and

facilitates dismantling the ejector arms. These can be simply pulled out of the body so that limescale in the flow channels can be quickly and effectively removed. What's more, in some cases there's no need to dismantle the ejector arms because limescale build-up has dropped significantly since the improvements were made. After the first few months in operation, it's clear that the changes have made a very positive impact on the way the machinery functions.

When running, the Körting waste water aeration ejectors stand apart because they are cost-effective to run and low on maintenance. Because no moveable parts are used, dismantling the ejectors for cleaning or maintenance is only very seldom required. In this case, the gradual improvements underscore that Körting solutions can be fine-tuned to clients' needs.

### Körting at IFAT India 2015

There will soon be a chance to talk to the experts and have a detailed look at Körting technology. Visitors to **IFAT India in hall 5 and on stand D25A** will be able to do just that. The trade show will take place from **13 to 15 October 2015** in the **Bombay Exhibition Centre in Mumbai, India**. Environmental technologies are becoming increasingly sought-after the world over and Körting is an exceptional supplier of air and oxygen transfer systems. In addition to staff at the Indian

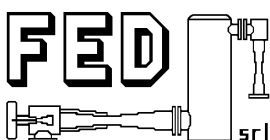
subsidiary Körting Engineering Private Ltd., an engineer from Hanover will also be on hand to talk to visitors. The team will be able to explain personally how Körting waste water aeration ejectors function and how best to use them. Körting Hannover AG is looking forward to Mumbai to discuss specific or planned projects, or plants already installed.



A special tool for taking out the ejector arms

### At a glance

Trade show	IFAT India 2015
Date	13 to 15 October 2015
Venue	Bombay Exhibition Centre in Mumbai, India
Stand	Halle 5, Stand D25A
Website	<a href="http://www.ifat-india.com">www.ifat-india.com</a>



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