

21.- MT-IBA microfilter technology

Title and name of product or technology	
MT-IBA microfilter technology	
Abstract	
By using fibres, of specific thickness and number of twinings , which are being spun around a special designed support, a filter cassette has been created. This cassette is able to filter particles down to 0.5 micron and a special designed mechanism is also able to clean this cassette for 100% in a very short time by spraying clean water.	
Description including main features/advantages	
V&T Group designed small units out of PP which can be serial produced, are simple in construction, reliable in operation and easy to service. Because of the production method the price level of the filters is within everybody's reach. Bigger flow rates with the advantage of the single filter can be created by parallel construction in a frame. In this way a flexible system can be created which can be easily adapted to changes in the application (more or less demand).	
Innovative aspects	
Fully automatic 3 micron filter technology at the price level of a static cartridge filter with manual cleaning and cartridge disposables	
Current and potential industrial users/domains of application	
Small (mobile) systems for Waste water – Drinking water (private sector) Pre-filtration for RO systems Re-use of wash water in swimming pools – food packing Fish farm industry Rinse bad cleaning in the galvanising industry Cleaning of condensate and gas wash systems Polishing of waste water from a biological WTP in maritime sector Cleaning of special liquids in the metal construction sector Removal of heavy metals and dioxin connected to fines from waste water	
Current state of development	
The filters are operational in most of above mentioned fields and reliable Preparation of tools for serial production is under study and ready for investment	

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