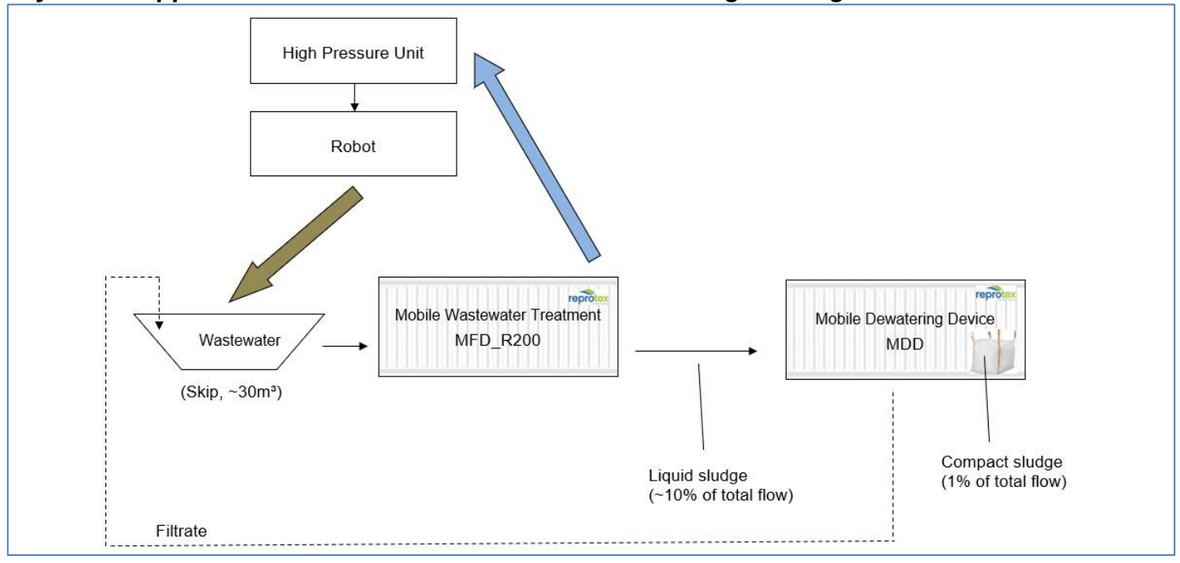
MFD_R200 Mobile Filtration Device Recycling 200 l/min

CONSTRUCTION INDUSTRY

Performance:	12m³/h (up to, stepless adjustable)
Recycling/Discharge	selectable
Recycling-Mode:	Sand filter - Bag filter 1µm (nominal)
Discharge-Mode:	Bypass of the filter units
pH-value Neutralisation:	CO_2 (for alkaline wastewater)
pH-value Monitoring	Data recording
Container:	20' (ISO Dimensions, LxWxH, 6,058m x 2,438m x 2,591m)
Electrical connections:	3x400V / 50Hz
Electric Power:	8 kW
Weight:	5.000 kg

Layout HP application with wastewater treatment and sludge management



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MOBILE FILTRATION

REPROTEX: Unique Technology for Construction Surface Preparation by Hydrodemolition and Water Jetting

The use of UHP water jetting is becoming more and more significant in construction industry worldwide because it is more efficient and economic.
Reprotex is the problem-solver for wastewater coming from these kinds of operations: Our system can handle a wide range of highly diverse wastewater qualities. As the result of the Reprotex treatment You can either reuse the recycled water in Your UHP-pump (according to the requirements of the pump producer) or drain it environmentally friendly (sewage system/back to nature).
This is how the use of Reprotex makes the entire working-process eco-friendly and sustainable.

The Wastewater-Recycling-Process

Wastewater after jetting-operations (HP-washing or UHP–blasting with water) is pumped from an external collection tank into the container-based treatment device.

In a first treatment step the wastewater is mixed with a flocking agent to accelerate the separation process of suspended solids in the lamella clarifier.
Following this, two further fine-filtration units (sand filter und textile-filter) ensure the final particle-size of less than 1µm.

An integrated digital sensor monitors permanently the pH-value and automatically ensures neutralisation by using CO_2, if necessary. Thus, release of water in accordance with legislation in terms of pH-value (pH 6,5 to 9) can be guaranteed.
In the case of chemical pollutants Reprotex can be combined with additional wastewater treatment technologies (e.g., oil-separator, activated carbon filter or ion-exchanger).

Advantages

- Cost savings through lower treatment and disposal costs
- Clean working area
- Immediate treatment on the spot
- Clear water quality for discharge into sewage system/nature
- Monitored water management
- Remote access
- Flexibility and mobility
- Simple logistic
- Operator friendly
- Innovative technology
- Eco-friendly