

MFD_R200

Mobile Filtration Device Recycling 200 l/min

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 waste water)
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:	5.500 kg
Process Interfaces:	Waste water tank / Clear water storage tank



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WATER RECYCLING

MFD_R200



reprotex.com

MOBILE FILTRATION

Reprotex: Unique Technology

Reprotex is the leading company for mobile waste water treatment with a particular USP: Our system is able to handle a wide range of highly diverse waste water qualities coming from different water jetting applications.

As the result of the Reprotex-treatment You can either reuse the recycled water in Your UHP-pump, or drain it environmentally friendly (sewage system/back to nature).

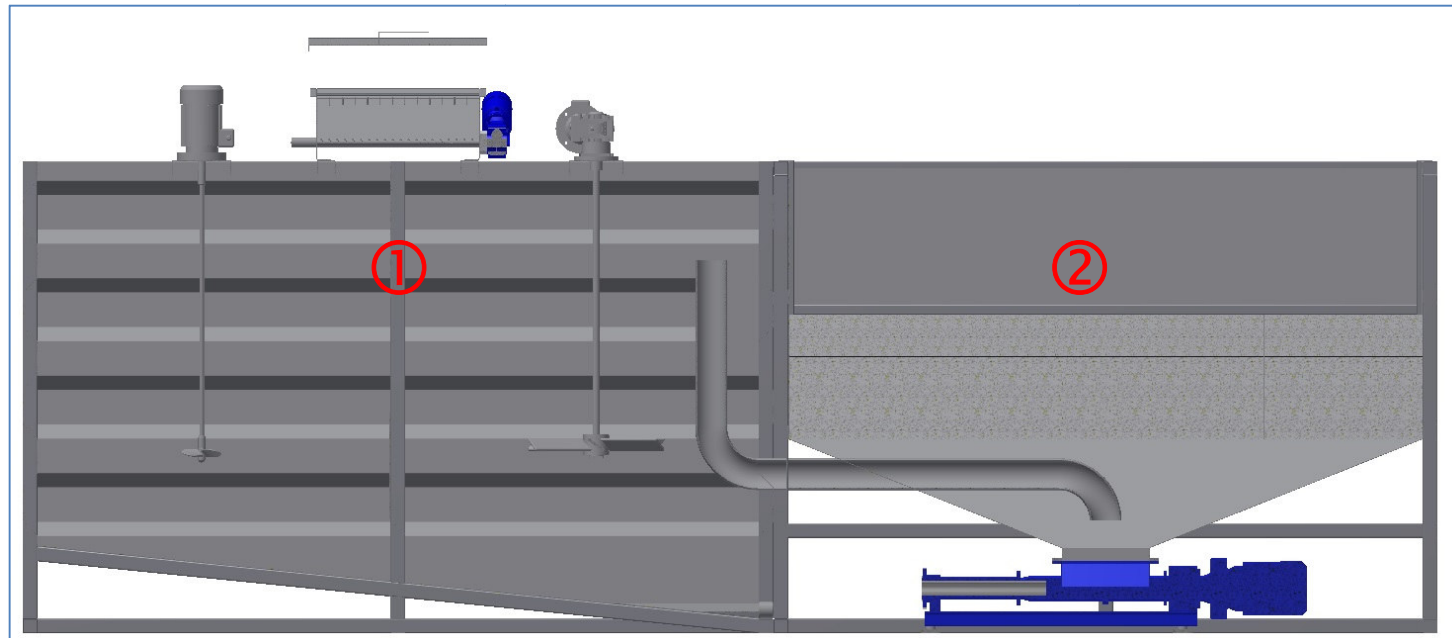
Our fully electronic controlled system operates automatically and provides needs-based reports on flow rate, turbidity and pH-value.



Process

Waste water after jetting-operations is pumped from an external collection tank into the container-based treatment device. In a first treatment step the waste water is mixed with a flocking agent in order to accelerate the separation- process of suspended solids in the lamella clarifier. Following this, there are further two fine-filtration units (sand filter and textile-filter), which ensure the result particle-size $< 1\mu\text{m}$.

An integrated digital sensor monitors permanently the pH-value and ensures automatically 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 waste water treatment technologies (e.g. oil-separator, active carbon, ion-exchanger).

Applications:

- Surface preparation
- Hydrodemolition
- Tunnel cleaning
- Road marking removal
- Skid resistance restoring
- Tank maintenance
- Industrial cleaning
- Off-shore
- Building deconstruction
- Facade maintenance

Advantages

- Cost savings (water/mud/logistic)
- flexibility and mobility/simple logistic
- Operator friendly
- Innovative technology
- Water management in conformity with law



The precipitation and flocking agents used in the Reprotex-process have been developed from VTA Austria GmbH and agreed jointly.



Main components

- ① Reaction tank and flocculation
- ② Lamella separator
- ③ Intermediate tank
- ④ Filtration unit
- ⑤ PLC control

