

MUST PreSep^[rental] | wastewater – primary treatment

EN | August 2020

INTRODUCTION

MUST PreSep technology improves the primary treatment of municipal and industrial wastewater. The technology assures a highly efficient particle separation on smallest foot print and lowest operational cost. Furthermore, it relieves the downstreams treatment technology and increases the overall treatment capacity.

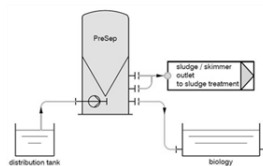
TECHNOLOGY

PreSep means Pre-Separation Technology and was developed over the past several years and is protected by IP's. PreSep works as treatment stage to replace or support common technologies as sand-/fat trap, settlement/clarifier tank, lamella separator, dissolved air flotation, static flux settler, hydro-cyclones and furthermore. Target is cost efficient solid-/liquid separation in general for sewage treatment plants and for industrial wastewater treatment plants (as food-, mining-, drilling, oil, laundries, etc.).

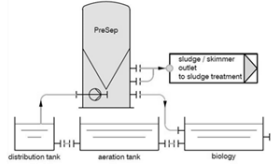
DIFFERENT TYPES AND HOW TO INTEGRATE

PreSep System Type	small 1'000	standard 2'000
m ³ /h average sewage*	5	21
(in l/s average sewage)	~ 1.5	~ 6
PE (population equivalent)	700	3'000
PreSep Diameter [m]	1	2
Height [m]	3	6
Space required [m ²]	1	3

PreSep in line of the process



PreSep bypassing current process

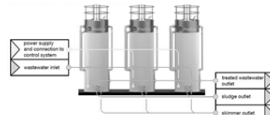


Typical locations and process stages for improving capacity with MUST PreSep are at Sand- /fat trap or at Settlement / clarifier tank

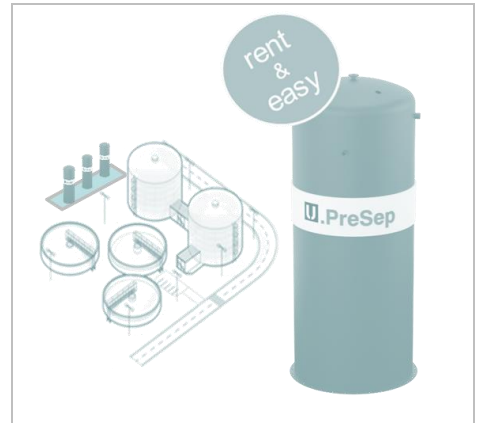
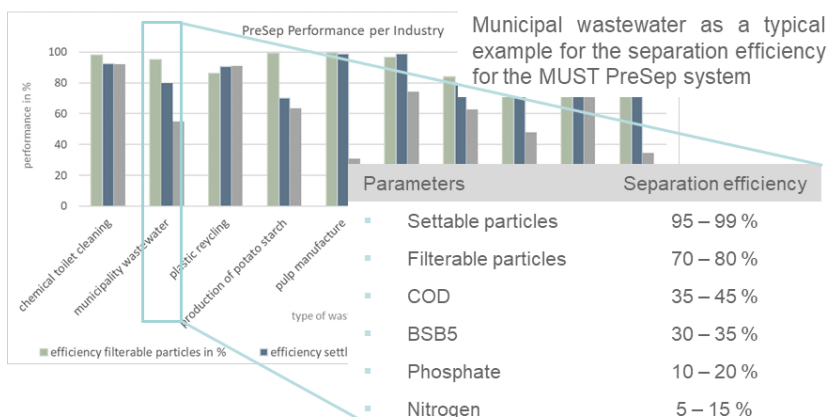
PreSep as stand alone unit



PreSep as group of parallel operated units



PERFORMANCE



FACTS

- Particle separation range down to 15 µm
- High separation efficiency up to 99%
- Little footprint, up to 90% smaller in comparison with traditional wastewater treatment plants
- No or less flocculation additives required
- Low operation and maintenance cost (reduced OPEX)
- Stable and reliable process



KEY BENEFITS

- Increase capacity up to 40% of existing wastewater treatment plants
- Modular and scalable design
- No investment cost
- No additional engineering
- Short delivery time

HOW TO GET A MUST PreSep^[rental] ON SITE

Doing a first pre-test with MUST PreSep^[trial] Unit at your wastewater treatment plant. Define the requirements, duration and location -> the PreSep^[rental] is provided on monthly rental base and delivered within weeks.

CONTACT

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