

Specifically designed for cleaning stormwater **detention tanks**

If storm water and sewage are running in a combined sewer, heavy rainfall can exceed the system's capacity. Storing the excess wastewater in a detention tank will minimise the risk of overflow into the environment.

With a Grundfos RainJet, you can be sure that the tank will be cleaned thoroughly when the detained wastewater is emptied back into the sewer system. Because cleaning is so thorough, odour problems will not arise.

Cleaning the tank with a RainJet is more hygienic because no manual labour is required.

The RainJet range can suit tanks of different sizes, depths and shapes. They can be supplied both as water/water and water/air ejectors. For tanks with long detention times, the water/air ejector can aerate the wastewater to avoid odour forming.

All RainJets are made of stainless steel (AISI 304 or AISI 316L) and fitted with a sturdy Grundfos submersible wastewater pump.



UNIQUE BENEFITS

Wide range

With the choice of water/water and water/air ejectors a RainJet solution can be designed to clean tanks of different sizes, depths and shapes.

Lifelong reliability

The stainless steel construction effectively resists corrosion. And the Grundfos submersible wastewater pump just keeps on working even under the most difficult conditions.

Flexible application

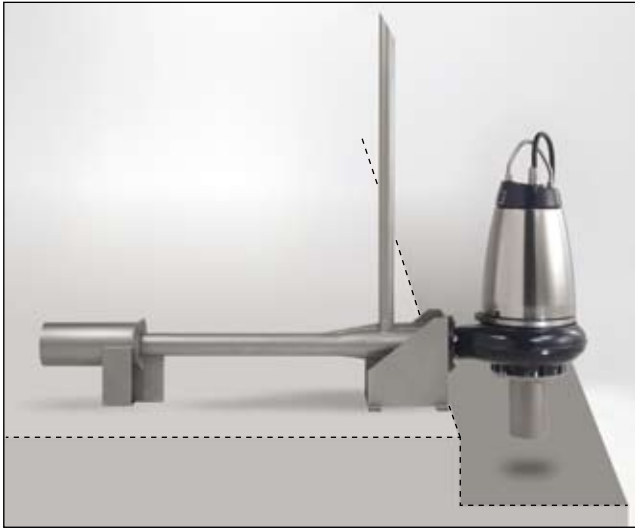
Mixing, cleaning and aeration are all possible using the same RainJet set-up.

Easy and flexible maintenance

RainJets with autocouplings are available to make pump maintenance easier and more flexible.

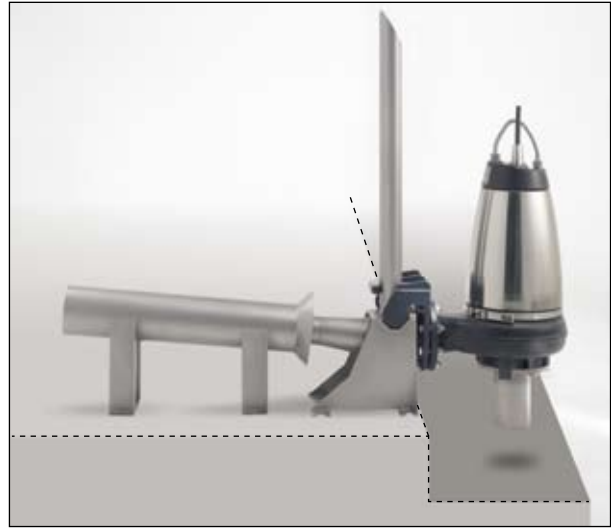
GRUNDFOS RAINJETS

INSTALLATION



FIXED

Water/air RainJet with longer reaching jet and mixed with air



FLEXIBLE

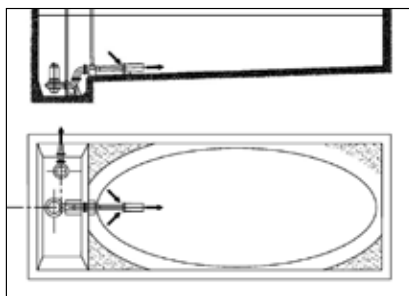
Water/water RainJet with greater flow for wider tanks

Fixed or flexible installations are available for both RainJet types. Automatic connection to the ejector with an auto-coupling makes maintenance easy and flexible.



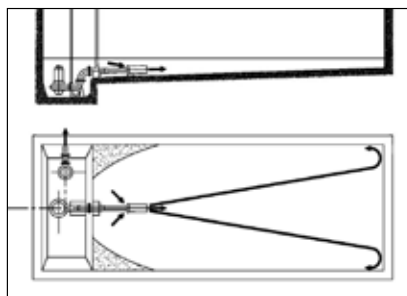
In larger tanks or for special applications, Grundfos RainJet systems can be designed with several outlets fed by a single pump.

Effective and hygienic emptying and cleaning



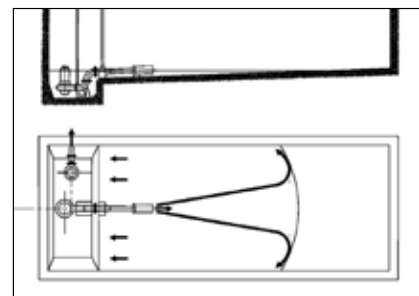
STEP 1: Resuspension

The mixing force of the RainJet resuspends sediment ensuring settled particles can be pumped back into the sewer system as a homogeneous load.



STEP 2: Flushing

As the water level drops the jet stream of the RainJet can reach the furthest corners of the tank. The remaining sediment is resuspended and flushed towards the sump.



STEP 3: Final cleaning

As the RainJet ejector emerges above the water, the length of the cleaning jet is gradually reduced pushing the remaining solids into the sump.