

Rotorflush RF200R Testimonial – Trility



Rotorflush RF200R Self-Cleaning Intake Screens. Testimonial from Trility.



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Trility is a water utility service provider with capabilities covering the full life cycle of water through wastewater treatment, reuse and desalination and bio-solid projects, operating throughout Australia across the resources, industrial and municipal sectors.

At the beginning of March 2016, Trility trialed one of the unique Rotorflush self-cleaning intake screens at the Redcliffe Sewage Treatment Plant in South East Queensland – a Plant servicing the suburbs of Rothwell, Kippa-Ring, Redcliffe, Clontarf, Scarborough, Margate and Woody Point.



Below is a testimonial from Alice Connell, the Process Engineer who carried out the RF200R Trial at the Redcliffe STP:

Rotorflush RF200R trial, March 2016 Redcliffe Sewage Treatment Plant, Queensland

A containerised project on the Redcliffe STP required a feed of 30m³/d of raw sewage, however limitations on site deemed the location for this off take to be prior to the inlet screenings and grit removal. Screening of wastewater is vital to remove debris, rag and other solids that end up in the sewage network to protect mechanical equipment and reduce blockages. As shown in the image below, the amount of debris removed from the raw influent is significant; hence pumping upstream of this would require some form mechanical protection.



Figure 1 Inlet step screen at Redcliffe STP

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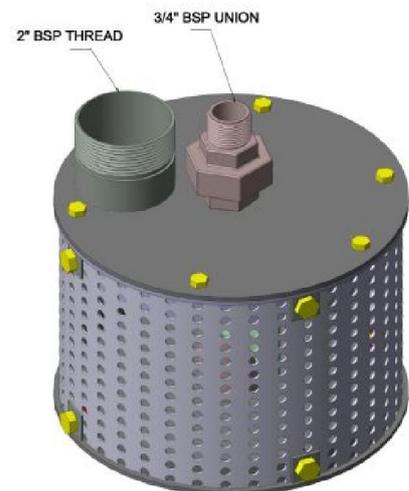
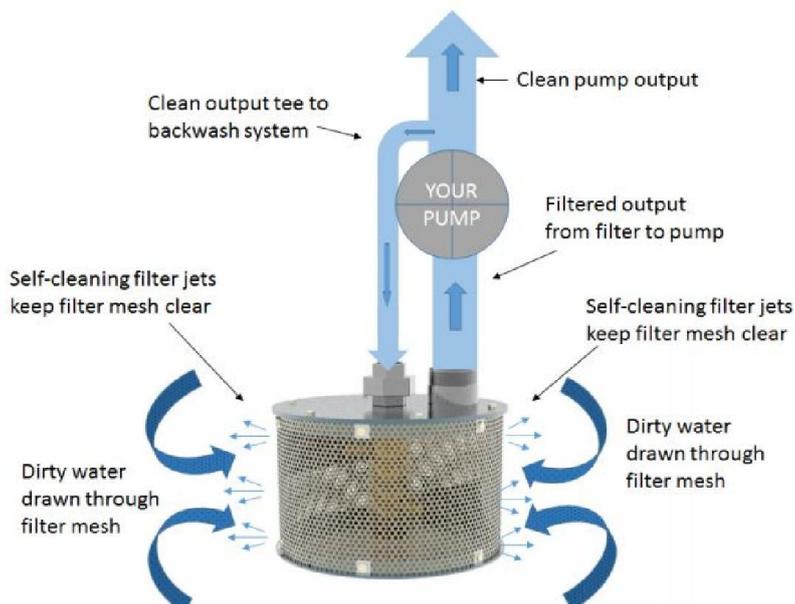
A Rotorflush RF200R self-cleaning inlet screen was installed on the intake of the feed pump to test the performance of the screen in a raw sewage application. Over the two month trial period the screen operated successfully with no blockages or interruptions in flow. The screen was checked and washed down daily during the first month, reducing to every second day in the second month. Upon removing the screen from service some debris and fibres can be observed, as shown in the photo below, the accumulation of this material is mainly due to the extruding bolts and nuts which create a catch point for fibres and debris, but are easily removed with a low pressure wash down.

TRILITY have been very impressed with the performance of the unit as a cost effective alternative to inline screening or filtering processes.



Figure 2 : Rotorflush RF200R straight from service (L) and after low pressure wash down (R)

How the RF200R works



Glacier Filtration are the Australian agents for Rotorflush Products.

