

NOVA[®]
INDUSTRIES

 DynaFilter[™] EcoWash[®]

Hybrid Filtration, Continuous Upflow,
deep bed, granular media filter

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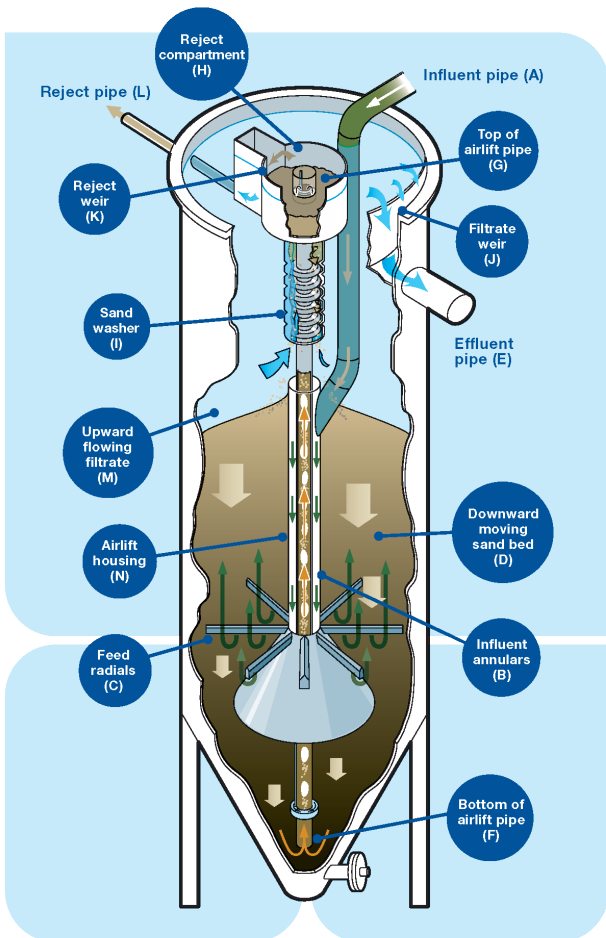
 **Parkson**[™]
Treating Water Right



DynaFilter, EcoWash

What is the DynaFilter™ EcoWash®

- The Parkson DynaFilter® is an up-flow, deep bed, granular media filter that filters liquid suspensions to the designed effluent quality, while at the same time cleaning the sand bed so the filter does not shut down during the backwash period.
- Feed water is passed upwards through the sand bed and exits the rapid sand filter as clean water.
- At the same time, sand can be removed from the bottom, cleaned by a simple internal washing system that does not require backwash pumps or storage tanks, and returned to the top of the sand bed.
- A small portion of the filtered water is used to wash the sand and leaves the filter as a reject stream.

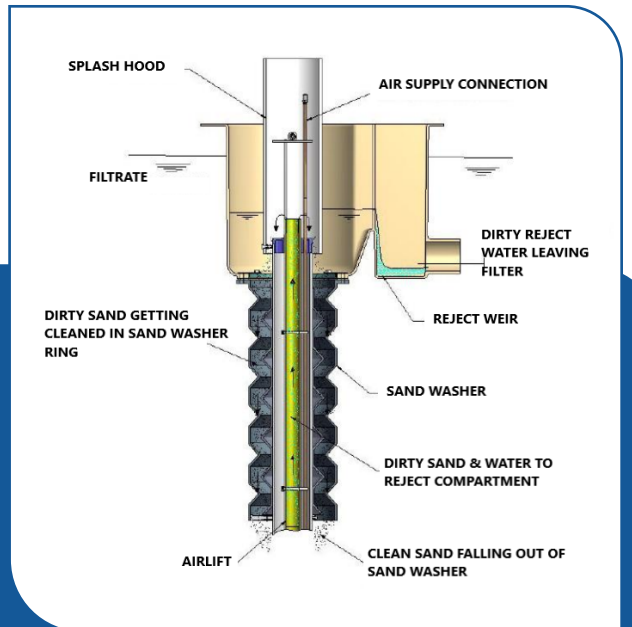


Great performance Low Maintenance

- The absence of backwash pumps means low energy consumption.
- The Parkson DynaFilter® deep media bed allows it to handle high levels of suspended solids. This is a heavy-duty performance which gives extra safety margin.
- The Parkson DynaFilter® is available in various sizes and configurations. This flexibility allows for customization to fit specific site and application requirements.

History of Continuous Improvement

- The DynaFilter™ continuous backwashing filter has been successfully applied in thousands of installations, providing optimum performance and filtrate quality while providing operators peace of mind.
- In order to make a robust technology even better, Parkson listened closely to our vast customer base.
- With a desire to improve our customers' experiences with the DynaFilter, our engineers set about to deliver a filter that would maintain all of the benefits of the traditional method while addressing our customers' suggestions. As a result of this effort, the DynaFilter™ EcoWash® was created.



What is the EcoWash®?

- The DynaFilter™ EcoWash® hybrid filter utilizes a continuous filter, but instead of operating based upon hydraulics, it operates like a traditional filter based on solids.
- The system combines the benefits of conventional gravity filtration with all the benefits of a continuous backwashing filter into one design.
- EcoWash® delivers unprecedented effluent quality.
- This hybrid filter results in better performance and also has the ability to be run in variable flows to keep solids loading efficient.
- Specific benefits versus traditional continuous backwashing filters include up to a %90 reduction in backwash water, lower chemical and energy consumption, and minimized equipment wear.
- Additionally, the DynaFilter™ EcoWash® is perfectly suitable for both new and existing filter wastewater treatment plants.

EcoWash® Highlights

- EcoWash® produces better quality filtrate than the traditional continuous backwash method.
- EcoWash® uses a reliable sand movement detection system so consistent bed cleaning is assured.
- Backwashing is controlled via one of two modes:
 - » Timer
 - » Differential Pressure



NOVA industries is an industrial establishment that is mainly engaged in the design, Manufacture and supply of state-of-art water and wastewater treatment mechanical equipment.

All the intended equipment is manufactured in Egypt under “license Agreements” provided by leading International firms that own proven technologies form US and European origins.

All equipment parts in contact with water are made of high-quality stainless steel.

Products comply with NFS/ANSI 61

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