



AT Fluid Management

## UFF Jet Wash Regenerative Media Filter



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**UFF Jet Wash** Regenerative Media Filter uses a 304 stainless steel tank and perlite as filter media, with **AF WATER CONTROL** automatic control system to run the filter. The UFF Jet Wash Regenerative Media Filter doesn't need to be backwashed like traditional sand filters, it regenerates the media every day to get an excellent filtering results.

**UFF Jet Wash** Regenerative Media Filter suits for new or existing installations.

*Please talk with our friendly and knowledgeable sales team for more information and a design to suit your swimming pool or water park .*

## UFF Jet Wash Regenerative Media Filter

- **Versatile:** suitable for commercial swimming pools, water parks, zoo parks, fountains, health clubs etc.
- **Efficient:** Energy saving, environmental protection



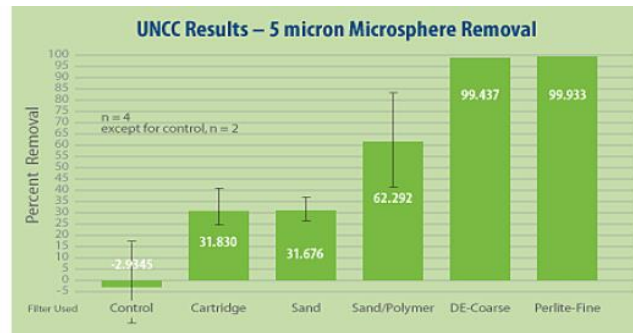
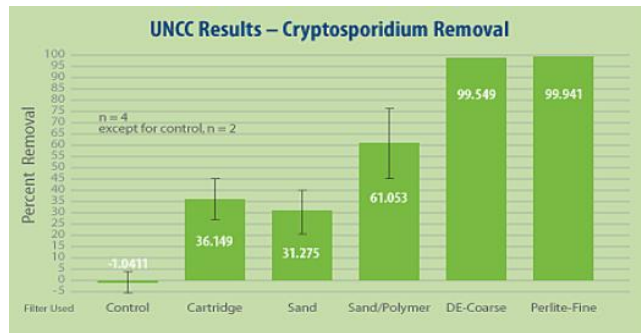
# UFF Jet Wash Regenerative Media Filter

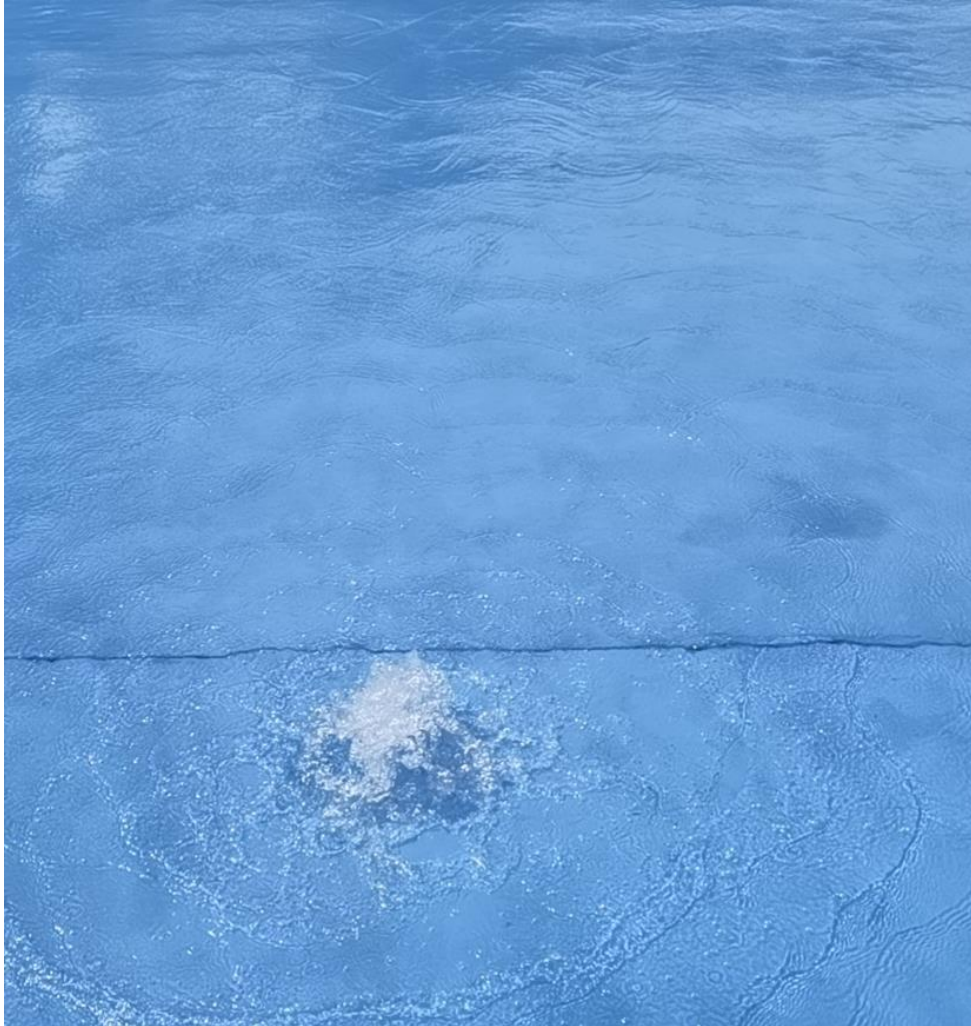
- Filtration of Extremely Small Particles as small as 1 Micron**

UFF Jet Wash Regenerative Media Filter is a more efficient alternative to sand or D.E. filtration. It's capable of filtering out materials as small as the 1 to 5 micron size range, while traditional sand filters can only remove particles in the 15 to 20 micron range. A micron is one millionth of a millimeter. A human hair is about 50microns in diameter.

UFF Jet Wash Regenerative Media Filter is the only category of swimming pool filter that may capture viruses since viruses are too small to be effectively captured by more traditional sand filtration, it can remove parasites such as cryptosporidium(crypto), most of these harmful bacteria will be captured and removed from the pool water. Traditional sand filters will rarely capture these tiny microorganisms (crypto is on the order of 3 to 5 microns in size).

The ultra fine filtration of the UFF Jet Wash Regenerative Media Filter will produce safer and cleaner water in your swimming pool. This can be observed visually and in testing we have observed a measured value of 0.005 NTU. Most standards around the world are 0.5 NTU meaning the Jet-wash Regenerative Media Filter is cleaning the water of suspended solids 100 times above the standards required.





## UFF Jet Wash Regenerative Media Filter

- **High Level of Water Conservation**

UFF Jet Wash Regenerative Media Filters have high level of water conservation, only water loss associated with the UFF Jet Wash Regenerative Media Filter is twice the volume of the filter tank itself usually once a month with a correctly sized filter. When it is time to replace the perlite material in the tank, after several regenerative cycles, the volume of an entire tank is wasted to removal of all dirty perlite. The UFF Jet Wash Regenerative Media Filter cleaning will use approximately a tanks volume to clean the tubes of any remaining perlite and debris. This water loss is magnitudes less than with a traditional sand filter that requires a backwash rate generally 1.5 times the filter flow rate for a period of 3 to 5 minutes at least once a week. With a sand filter this must occur every time the filter needs to be backwashed. Water savings are more than 90% compared to equivalent sand filters.



## UFF Jet Wash Regenerative Media Filter

- **Energy saving and Space & Construction savings**

UFF Jet Wash Regenerative Media Filter reduces the tremendous amount of backwash water associated with sand filter operation. This dramatic reduction of backwash waste directly translates to savings in chemicals and fuels for reheating associated make-up water.

UFF Jet Wash Regenerative Media Filter operates at lower head pressure throughout the filter cycle reducing power demand. And the elimination of backwash waste associated with sand filtration provides significant wastewater treatment savings.

Compare with traditional sand filters, UFF Jet Wash Regenerative Media Filter has more effective filter area. In the same filter area, UFF Jet Wash Regenerative Media Filter takes up **1/4 to 1/6** of the space required by an equivalently sized sand system. This saves both space and construction costs.

## UFF Jet Wash Regenerative Media Filter



- **10 Years Warranty**

Jet-wash Regenerative Media Filter can have a payback period of just a few years because of the ongoing cost savings. After the payback period has been reached, the aquatic facility should enjoy continued savings.

Many factors go into determining the payback period you may or may not realize from use of Jet-wash Regenerative Media Filter. Add to the savings on backwashing heated water, along with the associated loss of chemicals

Jet-Wash Regenerative media filters use high-performance drinking water quality 304 stainless steel, neither oxidative or chloride mediated corrosion processes won't affected it in swimming pool filter and recirculation systems. Jet-Wash Regenerative media filters has self-cleaning function, we provide 10 years warranty for the filter tank.

## AF WATER CONTROL Automatic Control System



- **Automatic controller with remote access ability**

UFF Jet Wash Regenerative Media Filter comes with our AF WATER CONTROL automatic control system which using a 10" high resolution LCD touch screen control panel with on screen menus to make operation quick and easy.

AF WATER CONTROL automatic control system provides a platform for data collection like filter pressures, water flow rates, events and faults that is stored both locally within each unit and in I-cloud based servers for later analysis. With information and control you can achieve the most efficient operations, saving energy, chemicals and labor.

AF WATER CONTROL automatic control system also has remote access ability, this enable to monitor and control by your computer, laptop and smart phone. Remote access ability assists our technicians in operator training, fault diagnosis and keeping your filters and water park operating at peak performance.



# Comparison before and after use regenerative media filter

Before filter



2 days later after UFF Jet Wash filter



# Show Cases

Sheraton Hotel indoor pool about 400cbm water, installed 1 set of UFF Jet wash regenerative media filter system.



# Show Cases

Wave pool about 4000 cbm water, installed 3 set of UFF Jet wash regenerative media filter systems.



Before filter



2 days later by UFF Jet Wash regenerative media filter

# Show Cases

**PNB118 Malaysia indoor pools, installed 2 sets of UFF Jet wash regenerative media filter systems.**



# Show Cases

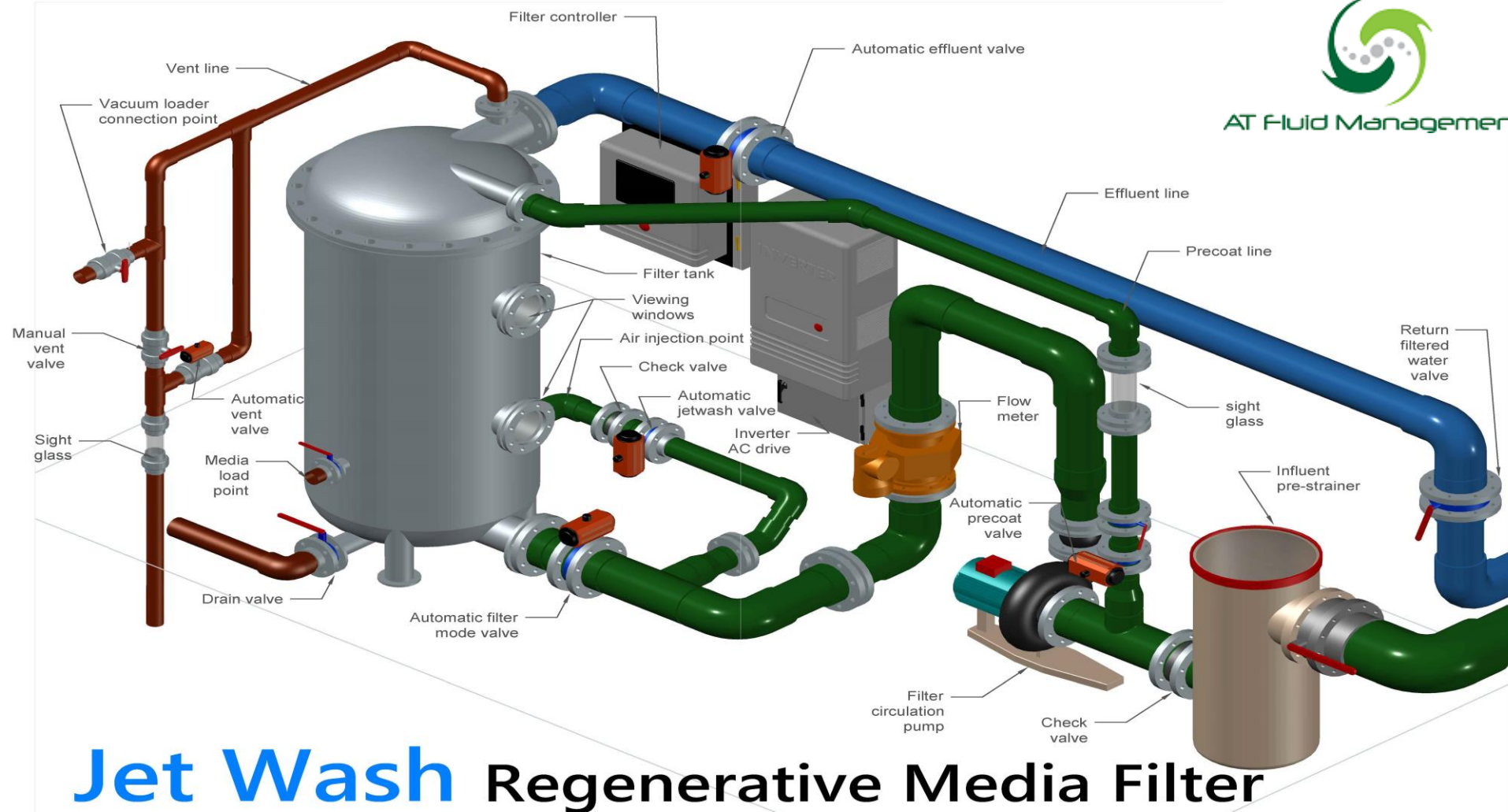


# Show Cases



**Tweed Billabong BIG4 Holiday Park 2015**

# Schematic for UFF Jet Wash Regenerative Media Filter



## UFF Jet Wash Regenerative Media Filter Model

Model	Tank size mm	4Hr turnover @3m <sup>3</sup> /m <sup>2</sup> /hr	Perlite kg	Filter Area m <sup>2</sup>	Flow m <sup>3</sup> /hr	Influent Effluent size
<b>1320 Series</b>						
MFS-450	Φ450x1320	66	2.1	6	17	DN50
MFS-500	Φ500x1320	85	2.7	7	21	DN80
MFS-550	Φ550x1320	107	3.4	9	27	DN80
MFS-600	Φ600x1320	130	4.2	11	33	DN80
MFS-660	Φ660x1320	156	5.0	13	39	DN100
MFS-710	Φ710x1320	185	5.9	15	46	DN100
MFS-760	Φ760x1320	215	6.9	18	54	DN100
MFS-810	Φ810x1320	249	8.0	21	62	DN150



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<b>1570 Series</b>						
MFM-660	Φ660x1570	221	7.1	18	55	DN100
MFM-710	Φ710x1570	261	8.4	22	65	DN150
MFM-760	Φ760x1570	305	9.8	25	76	DN150
MFM-810	Φ810x1570	352	11.3	29	88	DN150
MFM-860	Φ860x1570	403	12.9	34	101	DN150
MFM-920	Φ920x1570	456	14.6	38	114	DN200
MFM-970	Φ970x1570	514	16.4	43	128	DN200
MFM-1020	Φ1020x1570	574	18.4	48	144	DN200

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<b>2070 Series</b>						
MFT-810	Φ810x2070	559	17.9	47	140	DN200
MFT-860	Φ860x2070	639	20.5	53	160	DN200
MFT-920	Φ920x2070	725	23.2	60	181	DN200
MFT-970	Φ970x2070	816	26.1	68	204	DN200
MFT-1020	Φ1020x2070	912	29.2	76	228	DN250
MFT-1070	Φ1070x2070	1013	32.4	84	253	DN250
MFT-1120	Φ1120x2070	1119	35.8	93	280	DN250
MFT-1180	Φ1180x2070	1231	39.4	103	308	DN250



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