

Regeneration of ZeoPlus

Without regeneration, ZeoPlus will eventually lose its ability to adsorb ammonium, but it will still perform effectively as a filter media with a life span of up to ten years. ZeoPlus should be regenerated approximately every 12 months, although heavily used spas and hydrotherapy pools may require more frequent regeneration.

Regeneration Procedure:

1. Backwash the filter as usual until the backwash wastewater is clear of particulates.
2. Isolate the filter.
3. Drain completely the water in the filter by opening the bottom drain plug and replace drain plug once finished.
4. Make up a solution of caustic brine using 100g/L of iodine free salt and 2.5 g/L of soda ash.
5. Pour regeneration solution into the filter (i.e. on top of the media) until it completely covers the bed by about 40mm.
6. Leave this solution overnight for a minimum of 12 hours. Replace the lid or MPV.
7. Turn the valve(s) to backwash cycle. Run backwash for a minimum of 10 minutes.
8. Select RINSE cycle for 3 minutes then again select backwash, followed by RINSE for 3 minutes. If there is no RINSE cycle, backwash for an extra 20 minutes.
9. Turn valve(s) to filter cycle. You have now finished the job.

For more comprehensive regeneration instructions, please contact your nearest Waterco Branch.

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ZEOPLUS

Advanced Pool Filter Media



ZeoPlus is a naturally occurring mineral rock, found in areas where there has been historic volcanic activity. Its microporous structure and ammonia removal properties will significantly improve the quality of your swimming pool water.

- » Superior water clarity
- » Reduced chlorine demand
- » Reduced skin and eye irritations
- » Reduced "Chlorine" odour

Ideal for teaching pools, hydrotherapy pools and spas



Dual Filtration

Much like a sand filter, a ZeoPlus filter provides excellent mechanical filtration of suspended particles. In addition to trapping the larger particulates between the grains of the ZeoPlus (similar to the filtration mechanism of sand), ZeoPlus is also capable of filtering the smaller particulates by catching them within its micro porous structure and surface irregularities.

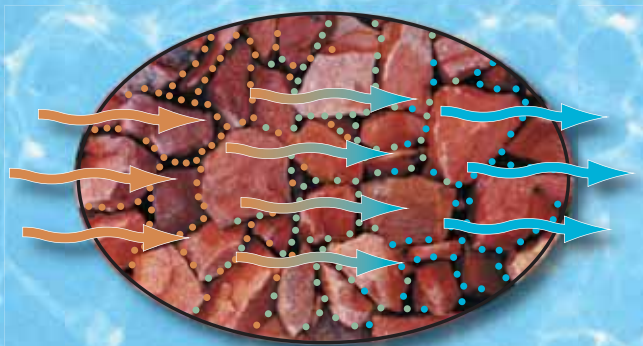
It is this dual filtration action that helps ZeoPlus achieve superior water clarity.

Ammonia Removal

Ammonia is released in the water by bathers and when the ammonium ions mix with chlorine, chloramines are formed producing a "chlorine" odour as well as causing skin and eye irritations.

ZeoPlus will inhibit the formation of chloramines leading to:

- ✓ Reduced Chlorine demand
- ✓ Reduced skin eye irritations
- ✓ Reduced "Chlorine" odour



ZeoPlus is particularly suitable for teaching pools and hydrotherapy pools and spas, where the tendency to build up ammonia by products is strongest.

Waterco recommends the use of its range of Micron Deep Bed Filters. The filter's bed depth of the filter enhances ZeoPlus' advanced filtration properties.



ZeoPlus Quantities

Filter Model	ZeoPlus	
	litres	Kg
SD400	62	68
SD500	92	102
SD600	130	143
SD750	205	226
SD900	301	332

ZeoPlus Physical and Chemical Characteristics

Type	8/16
Main Zeoplus Minerals	Mordenite and Clinoptilolite
Nominal Product Size	- 2.2 mm + 1.0 mm
Hardness (Moh Scale)	4.5 to 5.0
Bulk Density of Product	Around 1100 kg/m3
Particle Specific Gravity	2.2/2.3
Average Ammonia Exchange Capacity (meq/100g)*	~ 146

