

Superior filtration and clarity









Filtration efficiency of Zeoplus/Garnet Vs Silica Sand (0.6 - 1.2mm) Percentage Removal at 20m3/hr/m2



Zeoplus / Garnet

2. Ammonium Adsorption

Zeoplus is able to absorb ammonia and this decreases the level of chloramine in the swimming pool leading to: *Reduced chlorine demand, *Reduced skin eye irritations, *Reduced "Chlorine" odour.

Number of turnovers and ammonium reduction at 36m3/hr/m2 & 20m3/hr/m2, in a recirculation system





Regeneration of ZeoPlus

ZeoPlus should be regenerated once it is saturated i.e. full of ammonium. On an average pool this takes around 12 months, although heavily used spas and hydrotherapy pools may require regeneration sooner. ZeoPlus should be regenerated once ammonium level starts to increase. As a rule of thumb, regenerate ZeoPlus when the ammonium concentration of the outlet water is greater than 1 ppm.

Please note: If ZeoPlus is not regenerated, it may lose its ability to adsorb ammonium. However, it will still perform effectively as a mechanical filter with a life span of up to ten years (depending on the frequency of backwash).

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 200g/L of brine solution. Refer to example below to determine the required amounts of salt and water.

5. Pour the well dissolved brine solution into the filter until it completely covers the bed by about 40mm.

6. Mix solution into the media by agitating vigorously. Replace lid or MPV.

7. Leave it to soak overnight (for a minimum period of 12 hours). Once regeneration is complete the ZeoPlus bed must be rinsed with fresh water until the outlet water salt level or TDS is similar to the incoming water.

8. Turn the valve(s) to BACKWASH cycle. Run BACKWASH for 3 to 5 mins

9. Run RINSE cycle for 3 minutes then select BACKWASH again, followed by RINSE for another 3 minutes. If the filter does not have a RINSE cycle, run BACKWASH for an extra 20 minutes.

10. Turn valve(s) to FILTER cycle. You are now ready to operate the ZeoPlus filter as before. ⁻

Note:

Always turn off the pump before changing valve position

• In heavily used spas and hydrotherapy pools, regeneration may be required sooner than 12 months.

How much Brine is required

To regenerate a Micron SD600 with ZeoPlus;

Water, the liquid of life

Filter Model	Tank Diameter	Overall Height	Bed Depth	Zeoplus
	(mm)	(mm)	(mm)	(kg)
SD600	624	1135	500	143

• First calculate the volume of Brine required by determining the volume of Zeoplus in the filter (divide the mass of ZeoPlus (kg) by its bulk density of 1.1 kg/L).

> 143 kg / 1.1 kg/L = 130 litres of Brine required,

• If allowing extra 10 litres to adequately cover the filter media, 140 litres of Brine Solution is required.

 \bullet Now to make Brine solution of concentration 200 g/L, calculate the mass of salt required.

> 140L x 200g/L of Salt = 28,000g or 28 kg of salt

• Therefore add 28 kg of salt to 140 litres of water to produce the necessary amount of Brine to regenerate Zeoplus in the SD600 filter. *Salt 25kg – Waterco Code 35219232*

OFFICES - AUSTRALIA NSW - Sydney (Head Office) Tel: +61 2 9898 8600 QLD - Brisbane Tel: +61 7 3299 9900 VIC/TAS - Melbourne Tel: +61 3 9764 1211 WA - Perth Tel: +61 8 9273 1900 SA/NT - Adelaide Tel: +61 8 8244 6000 ACT Distribution Tel: +61 2 6280 6476

OFFICES - OVERSEAS Waterco (Europe) Limited Radfield, Kent, UK Tel: +44 (0) 1795 521 733 Waterco (USA) Inc Phoenix, Arizona, USA Tel: +1 623 434 4703 Waterco USA (Baker Hydro) Augusta, USA Tel: +1 706 793 7291 Waterco Canada (Focus Temp) Quebec, Canada Tel: +1 450 796 4333 Waterco (NZ) Limited

Auckland, New Zealand Tel: +64 9 525 7570 Waterco (GZ) Limited Guangzhou, China Tel: +86 20 3222 2180 Waterco (Far East) Sdn Bhd Selangor, Malaysia Tel: +60 3 6145 6000 PT Waterco Indonesia Jakarta, Indonesia Tel: +62 21 4585 1481

In the interest of providing better quality and value we are constantly improving and updating our products. Consequently, pictures and information on our brochures may sometimes vary slightly from models available.

