















## Gift of Water Filter



- Top: cotton filter
- Bottom: granular activated carbon filter
- Chlorine added for disinfection





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Factor	Weight	Rate	Score	Rate	Score	Rate	Score
NPV / initial machine cost	14.6	0.8	11.7	0.7	10.2	0.6	8.8
Generator lifetime	6.6	0.7	4.6	0.7	4.6	0.7	4.6
Generator capacity	9.3	0.9	8.4	0.5	4.7	0.8	7.4
Energy usage	9.3	0.9	8.4	0.7	6.5	0.5	4.7
Water, salt usage	3.9	0.7	2.7	0.7	2.7	0.7	2.7
Supplier experience with developing							
countries	3.9	0.9	3.5	0.9	3.5	0.9	3.5
Generator durability	4.9	0.8	3.9	0.7	3.4	0.7	3.4
Ease of use	14.6	0.5	7.3	0.5	7.3	0.5	7.3
Maintenance needs	8.3	0.6	5.0	0.6	5.0	0.6	5.0
Chlorine concentration of solution	3.4	0.9	3.1	0.7	2.4	0.7	2.4
Manual & product information	5.4	0.6	3.2	0.8	4.3	0.8	4.3
Warranty	6.1	0.8	4.9	0.7	4.3	0.7	4.3
Size, space requirements	2.9	0.8	2.3	0.8	2.3	0.5	1.
Portability	2.9	0.9	2.6	0.8	2.3	0.8	2.3
Supplier support	3.9	0.7	2.7	0.9	3.5	0.9	3.
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## SANILEC-6 Generator



- 113 g available Cl/h
- 0.8% chlorine
- 5.5 kW / kg chlorine
- 🏶 4.1 kg, 18 X 100 cm
- 2 year warranty
- \$2000















## Recommendations / Next

Regular carbon filter change
 Currently (theoretically) every 6 months
 Organizational, Base change on use?



Work with Gift of
 Water to analyze /
 implement
 recommendations.









Overall Microbial Analysis					
Combined Results of	of Total Coliform, <i>E</i> .	coli, Pathoscreen			
Initial Raw Contamination %, (Positive/Sampled)	<b>1-Day Kill</b> %, (Negative/Sampled)	<b>2-Day Kill*</b> %, (Negative/Sampled)			
97. 2%, (70/72)	54. 2%, (39/72)	100%, (53/53)			
Important Factors	*Two consecutive Cloudy days were not observed				
Sunlight					
Temperature					
I urbidity					





