

RENAREN



Waste water turns into clean water in two simple stages.

Water Recycling – Stage 1 (WWR-Westmatic Water Recycling)

The recycling system uses stainless steel hydro cyclones for mechanical purification. This fully automatic system, controlled by level regulators, requires minimum maintenance. The water recycling system is manufactured with capacities from 40–300 gallons/minute (165–1200 l/minute) depending on the size of the system. The process can recycle more than 85% of the consumed water. The water is then reused in the wash process. Fresh water is only



used in the final rinse. There are no chemicals or other additives utilized - only ozone - which is strongly oxidizing, and has the advantage of not reacting to a number of other matters. The ozone decomposes odor molecules, organic matters and a number of different metals, among other things, that affect water quality. The water can now be reused in the washing process.

Ozone generator.



WWR-165-Compact with ozone generator (44 GPM).

Environmental thinking does not have to be difficult – this is proven by Westmatic's brilliant water treatment system. The water from the wash is purified in two stages – water recycling and water purification. Westmatic's water treatment system entirely fulfills even the strictest of regulations regarding water quality standards including the rules of the Swedish National Environmental Protection Agency, which are among the most stringent in the world. All parts like the hydro cyclone system, the ozone generator as well as "Renaren" can be delivered separately.

Water Purification– Stage 2 "Renaren"

Water that is not recycled passes through the oil/water separator and into "Renaren". The method is based on electro flocculation which is a technical combination of electro flotation and electro precipitation. No chemical supplements whatsoever are needed during the whole purification process. "Renaren" is so effective that it can reach a purification level of more than 99%. After



having gone through the "Renaren", the water can then proceed out into the sewage system.

"Renaren" has proved to be useful in many lines of business where purification of oil-mixed water can occur. It is patent protected and has been DNV certified for ship installations.

Reactor unit for "Renaren".



WWR-300 (80GPM).