PRODUCT DATA SHEET

Azzuro Torrenta Series

Biological Odour Control Systems

BENEFITS AND FEATURES

- ENERGY EFFICIENT
- COST EFFECTIVE
- UP TO 20 YEAR MEDIA WARRANTY
- HIGH PERFORMANCE
- MINIMAL MAINTENANCE REQUIRED



DESIGNED TO PROVIDE EFFICIENT, COST EFFECTIVE ODOUR REMOVAL FOR LARGER SEWAGE PUMP STATIONS AND WASTEWATER TREATMENT PLANTS.



The Torrenta range utilises Azzuro's patented Spacious Wire Pac [SWP] media. This highly effective structured media has been developed exclusively by Azzuro and represents a significant breakthrough in the evolution of media for biological odour treatment.

Azzuro [formerly Bioway] Bio-trickling Filters have proven to be extremely effective in treating odour for Melbourne Water & Sydney Water, at Gippsland Water Factory and at many other locations around the world.

SWP's unique high quality structured media optimises the available surface area for contact between foul air and odour removing micro-organisms without compromising the efficiency of air movement through the unit. Consequently power usage by the ventilation system is minimised delivering significant cost savings and the industry's lowest whole of life costs.

Furthermore Azzuro has the confidence to offer up to a 20 year warranty on the media with the reasonable expectation that the service life will be considerably longer.

Creating in composites

Azzuro Torrenta Series

Biological Odour Control Systems

Advantages

- Single pass irrigation system

  Eliminates the requirement for recirculation [start up only]

  Significantly reduces instrumentation requirement resulting in smaller, control panels

  Simplifies PLC programming

- High temperature operations
- Automatic water irrigation and humidification maintains the optimum environment for biological activity
- Continuous reliable operation; minimal maintenance is required
- Operating costs are minimised by low system pressure drop and long BTF media life
- Units are expandable by retrofitting an additional stage
- Up to 20 year warranty on Spacious Wire Pac media life
- High performance H2S and odour removal eliminates or minimises any need for carbon polishing

The Torrenta Range

Model TR18 [1.8 m diameter vessel]
Model TR23 [2.3 m diameter vessel]
Model TR36 [3.6 m diameter vessel]
Model TR40 [4.0 m diameter vessel]
Each model is available in a number of sizes. Model and size selection is dependent upon a number of variables including:

- Level of H2S in the air to be treated
- Level of other malodorous contaminants in the air to be treated
- Diurnal and seasonal variation in contaminant levels
- Removal of H2Sand overall odour reduction required
- Space availability at installation site
- Aesthetic considerations [vessel height]
- Logistical considerations [shipping costs increase disproportionately for larger diameter vessels]

Activated Carbon

Water authorities face ever increasing pressure from environmental protection authorities and local residents regarding odour emissions at facility boundaries. Mindful of these concerns RPC offers the option of providing an activated carbon polishing stage downstream of the BTF. The activated carbon selected will reduce odour emissions at facility boundaries to a level generally found acceptable to the EPA and residents alike.

RPC

A: 24 Powers Rd
Seven Hills NSW 2147 Australia
P: +61 2 9624 9800
F: +61 2 9624 2548
E: infrastructure@rpctechnologies.com

www.rpctechnologies.com

AZZURO

A: PO Box 11
6666 ZG Heteren The Netherlands
P: +31 611 728 753
E: info@azzuro.com

www.azzuro.com