

Azzuro Piretta Series

Biological Odour Control Systems

STANDARD FEATURES

- COMPACT SMALL FOOTPRINT
- MINIMAL POWER USAGE
- UP TO 20 YEAR MEDIA WARRANTY
- OPTIONAL CARBON UNIT
- SIMPLE TO INSTALL



THE AZZURO PURETTA SERIES OF BIOLOGICAL ODOUR CONTROL SYSTEMS IS DESIGNED TO PROVIDE EFFICIENT, INEXPENSIVE TREATMENT OF ODOURS RELEASED FROM SEWER MANHOLES, PUMP STATION WELLS AND SMALLER WASTEWATER TREATMENT PLANTS.

The Piretta range utilises the same Spacious Wire Pac [SWP] media used in Azzuro's larger Bio-trickling Filters that have proved 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 the 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 20 year warranty on the media with the expectation that the service life will be considerably longer.

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

Advantages

- Compact, pre-assembled system supplied ready to install
- Simple to install and easily relocatable
- Automatic water irrigation and humidification maintains the optimum environment for biological activity
- Continuous reliable operation; minimal maintenance required
- Operating costs minimised by low system pressure drop and long BTF media life
- Optional carbon polishing stage for sensitive locations
- Change out of activated carbon requires no specialised equipment [small crane / HIAB or equivalent]

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The carbon unit can be fitted during installation or is easily retro-fitted. The cartridge design of the activated carbon stage enables the carbon to be replaced quickly without any requirement for specialised mechanical services.

	PURETTA A	PURETTA B
Media	Spacious Wire Pac	
Aiflow capacity m ³ /h (H ₂ S removal only, H ₂ S 100 ppm or less)	1600	3200
Airflow capacity m ³ /h (H ₂ S and Odour Removal, H ₂ S 100 ppm or less)	800	1600
Diameter of BTF [m]	1.83m	
Height of [m]	2.92	3.96
No of beds in BTF	1	2
Bed depth [m]	1.0	2.0
Water usage L/day	Dependent on H ₂ S loading. Range: 750-1500 L/day	
Power usage kWh / day [Recirculation is required during start up phase only]	Ventilation fan: approx 18 kWh/day Instrumentation & control: approx 4 kWh/day Recirculation: approx 18 kWh/day	
Shipping weight	602 kg	878 kg
Operating weight	1257 kg	2189 kg
Inlet connection diameter [mm]	Dependent on air volume treated per hour Range: 200 - 300 mm	
Activated carbon option	Yes, carbon canister	
Carbon type	Standard is coconut shell carbon. Other carbons available on request.	
Weight of carbon	Approximately 295 kg depending on carbon selected	

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Water - Odour Control - Liners

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