

# Mónasorb: Passive Activated Carbon Units Data Sheet

**“Anua Clean Air International offer proven, patented clean air bio-technologies, which provide best-in-class process performance with the lowest utility and life cycle costs”**

Control of odour-causing compounds emitted from wastewater and industrial treatment processes has become an absolute requirement for the wastewater treatment process.

As populations grow and housing encroaches on once-remote treatment facilities, the importance of effective, yet simple odour control technology will continue to increase. In addition, odourous compounds can be corrosive to equipment requiring ventilation to extend equipment life and reduce capital replacement expenditure.

Passive activated carbon vent filters rely on a natural flow of the displaced air to filter the odorous chemicals out. They do not use fans or any other method to force an air flow. The motive force is provided by the liquid entering a sealed chamber and displacing air. Passive filters have an extremely low pressure drop so that there is little resistance to the movement of air across the activated carbon bed.



Figure 1 - Anua Clean Air ACU-600 - Passive Activated Carbon Unit

Anua Clean Air uses a combination of Copper (II) Oxide Impregnated Activated Carbon and Steam Activated Carbon to target specific gases. The pelletised impregnated activated carbon target H<sub>2</sub>S gases, mercaptans and other volatile organic compounds (VOCs). Custom mixtures can be created to target the specific range of compounds that are of concern for customers.

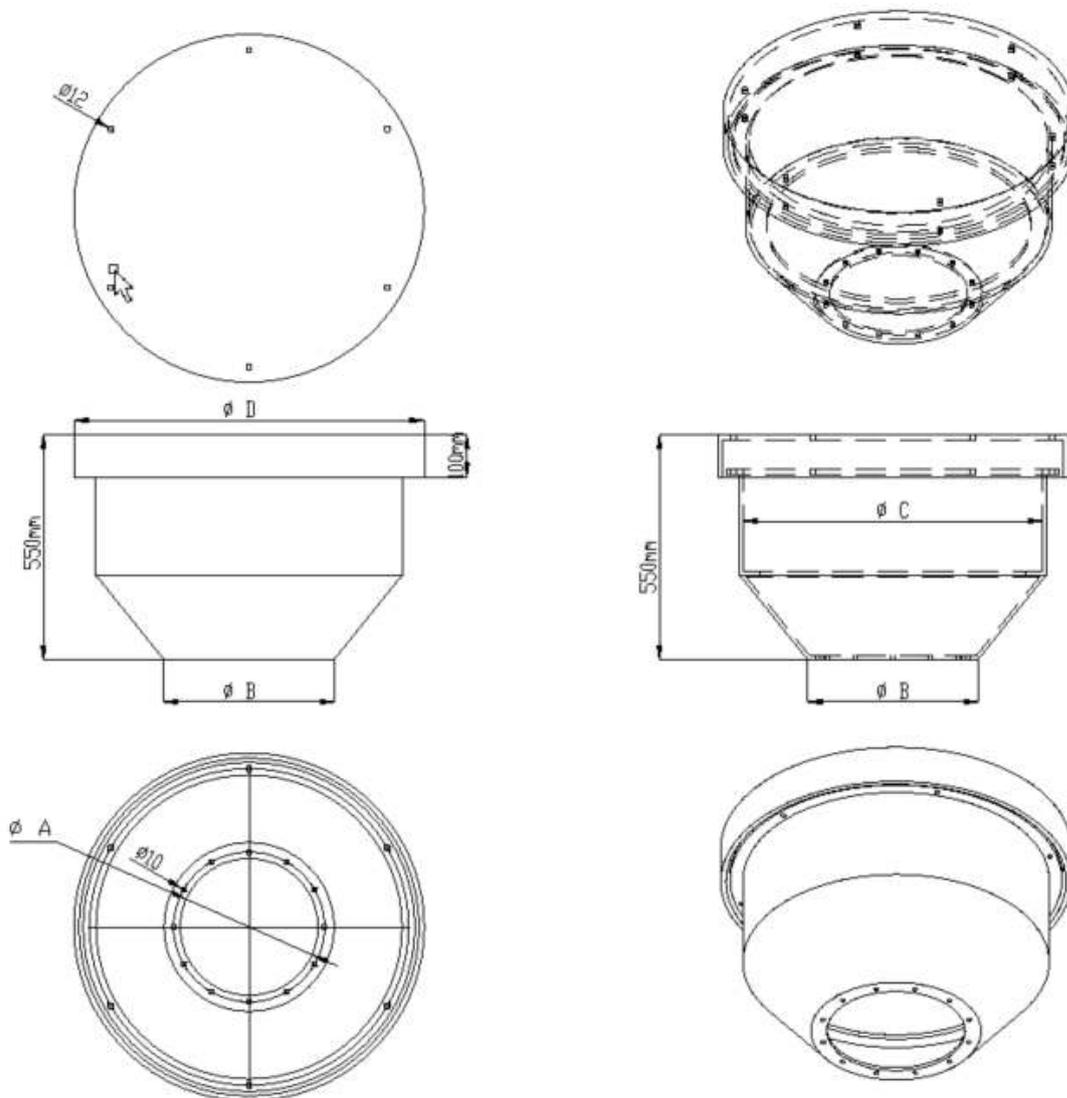
Mónasorb - Passive Activated Carbon Units			
Model	PACU-100	PACU-200	PACU-400
Treatment Capacity	100 m <sup>3</sup> /hr	200 m <sup>3</sup> /hr	400 m <sup>3</sup> /hr
Flange Diameter [I.D.]	300mm	300mm	300mm
Flange Diameter [O.D.]	400mm	400mm	400mm
Housing Diameter	520mm	720mm	850mm
Housing Height	550mm	550mm	550mm
Weight of Activated Carbon	10kg	19kg	28kg
Housing Material	Polypropylene	Polypropylene	Polypropylene
Colour Options	Beige/Black	Beige/Black	Beige/Black
Weight of Activated Carbon	10kg	19kg	28kg

Table 1 - Mónasorb - Passive Activated Carbon Units Details

### Typical applications:

- ✓ Inlet Wet Wells
- ✓ Picket Fence Thickeners
- ✓ Storm Tanks
- ✓ RBC's
- ✓ Packaged Wastewater Treatment Plants
- ✓ Air Valve Chambers/Sewer Access Manholes

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Flange Diameter [I.D.] - Dimension A	300mm	300mm	300mm
Flange Diameter [O.D.] - Dimension B	400mm	400mm	400mm
Housing Diameter - Dimension C	520mm	720mm	850mm
Housing Height	550mm	550mm	550mm
Weight of Activated Carbon	10kg	19kg	28kg
Housing Material	Polypropylene	Polypropylene	Polypropylene
Colour Options	Beige/Black	Beige/Black	Beige/Black
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Figure 2 - Anua Clean Air - PACU - Dimensions