

## ZC3000 - Specifications



### Process Overview

The air filtration system is designed to treat wastewater odour emissions entering the unit through three stages comprising of the initial treatment by the Potassium Hydroxide (KOH) Impregnated Activated Carbon, secondary treatment by McBerns Proprietary Bulk Combined Media, and tertiary treatment by McBerns Proprietary Combined Media Cartridges, which is then emitted to atmosphere.

<b>Filtration Properties</b>	H <sub>2</sub> S Adsorption Capacity	442 kg
	Total Media Volume	2.55 m <sup>3</sup>
	Media Mass	
	Activated Carbon	1100kg
	McBerns Combined Media (Bulk)	210kg
	McBerns Combined Media (Cartridges)	10 x F375MC
	Total Media Mass	1420kg
<b>Flow Properties</b>	Max Flow	505 L/s
	Fan Flow Properties	
	Storm 10	143L/s
	Storm 12	280L/s
	Storm 16	505L/s
Differential Pressure	950Pa	
<b>Unit Properties</b>	<b>Dimensions</b>	
	Unit Housing	1100 x 2400 x 1560 mm
	Inlet Duct	DN200 UPVC
	Outlet Duct	DN200 UPVC
	<b>Material Properties</b>	
	Fabrication Material	316 Austenitic Stainless Steel
	Specific Gravity	7.98g/cm <sup>3</sup>
	Max Continuous Operating Temperature	870°C
	Max Short Term Operating Temperature	925°C
	Tensile Strength	680MPa
	Brinell Hardness	123kg/mm <sup>2</sup>
	<b>Mass</b>	
	Unit Housing	420kg
Overall	1840kg	