

ZC1500 – 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.



Filtration Properties	H ₂ S Adsorption Capacity	202kg
	Total Media Volume	1.16m ³
	Media Mass	
	Activated Carbon	500kg
	McBerns Combined Media (Bulk)	90kg
	McBerns Combined Media (Cartridges)	5 x F375MC
	Total Media Mass	645kg
Flow Properties	Max Flow	300 L/s
	Fan Flow Properties	
	Storm 12	180L/s
	Storm 16 (Valve Controlled)	300L/s
	Differential Pressure (refer to figure)	1650Pa
Unit Properties	Dimensions	
	Unit Housing	1100 x 1100 x 1580 mm
	Inlet Duct	DN150 UPVC
	Outlet Duct	DN150 UPVC
	Material Properties	
	Fabrication Material	316 Austenitic Stainless Steel
	Specific Gravity	7.98g/cm ³
	Max Continuous Operating Temperature	870°C
	Max Short Term Operating Temperature	925°C
	Tensile Strength	680MPa
	Brinell Hardness	123kg/mm ²
	Mass	
	Unit Housing	250kg
	Overall	895kg

ZC1500 Differential Pressure vs Flow Rate Storm 16

