



evoqua
WATER TECHNOLOGIES



ZABOCS® BIOLOGICAL ODOR CONTROL SYSTEMS

Evoqua Water Technologies offers a full range of biological odor control systems for municipal and industrial odor control.

ZABOCS® Biofilter System

The ZABOCS® biofilter two stage odor control system combines biofiltration with an integral activated carbon or dry chemical media polishing stage for complete odor removal.

First Stage

The first stage uses a manufactured expanded clay media as the substrate for the biomass. The media bed is intermittently irrigated with water and nutrients for optimum bacteria growth. The incoming air is pre-humidified, and passes through a unique air distribution plenum to assure even air flow through the media bed. The first stage removes 99% of the H₂S as well as removing other odorous compounds.

Second Stage

Activated carbon is used in the polishing stage to trap VOC's and insoluble organic compounds that get through the first stage.

The ZABOCS biofilter system can treat air flows up to 5000 cfm (8500 m³/h), and H₂S concentrations in excess of 100 ppm.

The Evoqua ZABOCS biofilter system is fabricated from premium vinyl ester FRP. Each unit is equipped with a variable speed drive for the fan.

Standard Features

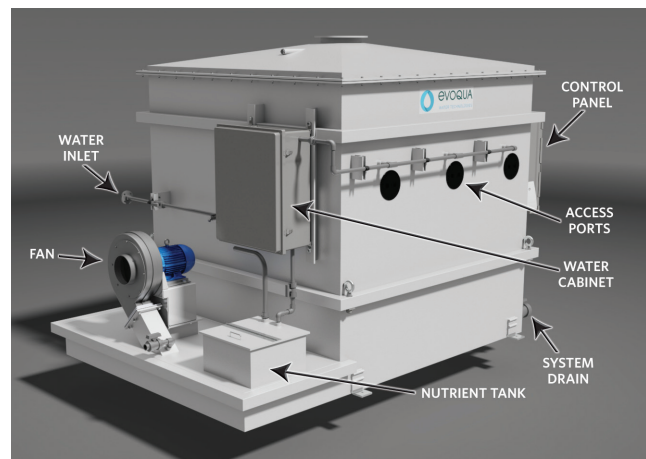
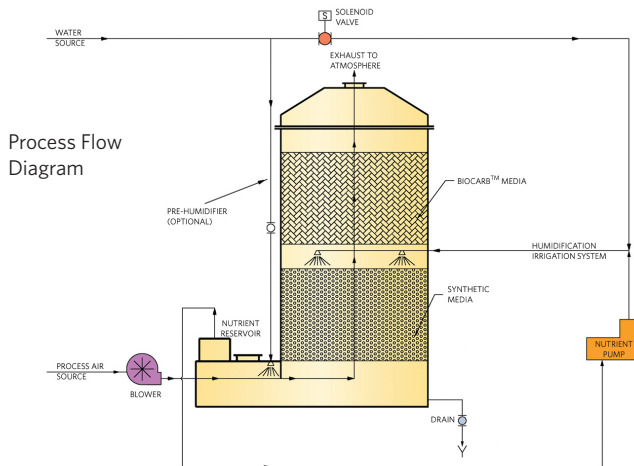
- Removes odors immediately upon start-up
- 2-stage odor control ensures high efficiency
- Variable speed fan
- Integral nutrient feed system
- Factory assembled for "Plug & Play" installation
- FRP construction for durability & corrosion resistance
- Low profile for residential locations
- Evoqua service and support

Email odorcontrol@evoqua.com or visit www.evoqua.com/zabocs to connect with an expert.

ZABOCS® BIOFILTER SYSTEM DESIGN INFORMATION

Model	Airflow Rate	Dimensions LxWxH	Inlet Connection	Shipping Wt	Operating Wt	Fan Motor	Power Req't**
Unit	cfm	ft	inches	lb	lb	HP	FLA at 460V/3Ph/60Hz
	m ³ /hr	mm	mm	kg	kg	kW	
4000	350	6.58 x 4.08 x 7.83	7.75	5,600	7,000	5.0	11.3
	595	2,002 x 1,245 x 2,391	197	2,541	3,176	3.7	
5000	600	7.58 x 5.08 x 7.83	7.75	8,100	10,500	5.0	11.3
	1,020	2,306 x 1,549 x 2,391	197	3,675	4,764	3.7	
6000	850	8.58 x 6.08 x 7.83	7.75	11,250	14,500	5.0	11.3
	1,445	2,611 x 1,854 x 2,391	197	5,104	6,579	3.7	
7000	1,150	9.83 x 6.92 x 7.83	8.375	14,500	18,500	5.0	11.3
	1,955	2,992 x 2,108 x 2,391	213	6,579	8,394	3.7	
7010	1,750	14.08 x 6.92 x 7.83	12.25	18,955*	24,500	5.0	11.3
	2,975	4,288 x 2,108 x 2,391	311	8,600*	11,116	3.7	
7012	2,000	16.33 x 6.92 x 7.83	16.375	21,975*	28,500	5.0	11.3
	3,400	4,973 x 2,108 x 2,391	416	9,971*	12,931	3.7	
7015	2,500	19.33 x 6.92 x 7.83	16.375	26,900*	35,000	5.0	11.3
	4,250	5,888 x 2,108 x 2,391	416	12,205*	15,880	3.7	
7018	3,000	22.42 x 6.92 x 7.83	16.375	31,925*	41,500	5.0	11.3
	5,100	6,802 x 2,108 x 2,391	416	14,485*	18,829	3.7	
7020	3,500	24.33 x 6.92 x 7.83	16.375	35,500*	45,500	7.5	14.3
	5,950	7,412 x 2,108 x 2,391	416	16,107*	20,644	5.5	
7025	4,000	29.33 x 6.92 x 7.83	16.375	43,600*	56,500	7.5	14.3
	6,800	8,936 x 2,108 x 2,391	416	19,782*	25,635	5.5	
8025	5,000	30.08 x 8.08 x 7.83	19.375	52,500*	67,500	10.0	20.0
	8,500	9,169 x 2,464 x 2,391	492	23,820*	30,626	7.5	

* includes media shipped loose | ** FLA does not include options such as freeze protection, etc.



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