



eVOQUA
WATER TECHNOLOGIES



RJMC SERIES MODULAR CARBON ADSORBER ODOR CONTROL SYSTEMS

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

Modular Skid Mounted Systems

Skid-mounted activated carbon odor control systems are offered to treat up to 1700 acfm (2890 m³/hr) of odorous air. The carbon media is loaded prior to shipment, and the carbon vessel and fan are factory installed on a steel skid.

A local control panel mounted on the skid contains the power disconnect and motor starter for fan. The fan is mounted at the inlet, with air flow vertically upwards through the media bed. A damper is provided to regulate airflow through the vessel and isolate the system during media replacement. The bed is equipped with carbon sample ports, grounding rod and differential pressure gauge.

Optional Features

An acoustic enclosure is offered as an option to reduce noise levels in residential locations. The Evoqua RJMC Series Adsorbers are offered in premium vinyl ester FRP for optimum corrosion resistance. Systems are designed to hold a wide range of activated carbon media. Systems are normally sized to provide a minimum of one year media life. A grease filter/mist eliminator is recommended upstream of the fan to reduce the maintenance and extend the carbon life

Special Features

- Factory assembled and skid mounted
- FRP construction
- Evoqua service and support

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

RJMC SYSTEM DESIGN INFORMATION

Model	Airflow Rate	Diameter	Footprint Dimensions L x W x H*	Inlet Connection O.D.	Carbon Wt**	Operating Wt	Fan Motor	Power Supply
Unit	cfm m ³ /hr	ft mm	ft mm	inches mm	lbs kgs	lbs kgs	HP kW	FLA at 460V/3Ph/60Hz
RJMC-0150	120	1.5	6.5 x 3.25 x 5.25	6.375	160	900	1.5	2.5
	200	460	1981 x 991 x 1600	162	73	409	1.1	
RJMC-0200	215	2.0	7.0 x 3.5 x 5.25	6.375	280	1,200	1.5	2.5
	365	610	2134 x 1067 x 1600	162	127	545	1.1	
RJMC-0250	340	2.5	7.0 x 4.0 x 5.75	6.375	435	1,500	1.5	2.5
	580	760	2134 x 1219 x 1753	162	198	682	1.1	
RJMC-0300	490	3.0	7.5 x 4.0 x 5.75	7.375	640	1,800	2.0	3.1
	830	915	2286 x 1372 x 1753	187	291	818	1.5	
RJMC-0350	670	3.5	8.0 x 5.0 x 5.75	7.375	860	2,100	3.0	4.7
	1140	1065	2438 x 1524 x 1753	187	391	955	2.2	
RJMC-0400	850	4.0	8.5 x 5.0 x 5.75	7.375	1,150	2,500	3.0	4.7
	1460	1220	2591 x 1524 x 1753	187	523	1,136	2.2	
RJMC-0450	1110	4.5	9.75 x 5.5 x 6.25	12	1,430	3,200	3.0	4.7
	1885	1370	2972 x 1676 x 1905	311	650	1,455	2.2	
RJMC-0500	1370	5.0	10.25 x 6.0 x 6.25	12	1,790	3,700	5.0	7.5
	2330	1525	3124 x 1829 x 1905	311	814	1,682	3.7	
RJMC-0550	1700	5.5	10.75 x 6.5 x 6.25	12	2,135	4,200	5.0	7.5
	2890	1675	3277 x 1981 x 1905	311	970	1,909	3.7	

* Height to vessel top, excluding stack | ** Dependent upon media type, values are +/- 7%

Media

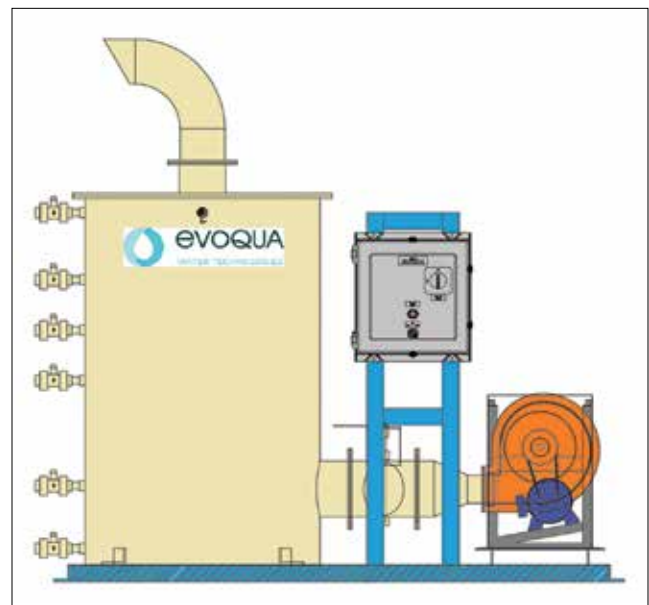
Evoqua carbon odor control systems are designed to work with a wide range of media.

Midas® OCM

For H₂S odor removal we recommend Midas® Odor Control Media. Midas OCM has the highest odor removal capacity of any media on the market (0.30 g H₂S/cc carbon) and will reduce the frequency of media changeout.

Other Media offered:

- VOCarb® UOCH-KP Caustic impregnated odor control media
- VOCarb® P60 pelletized, coal-based, virgin activated VOC carbon
- VOCarb® 48C, 36C granular, coconut shell activated carbon



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