

GLYCERTMX

The Next Generation in BioDiesel Dry Wash Technology

Introduction:

GlyceRXTM is a chemically inert adsorptive media, designed for ease of use and landfill disposal.

This product is engineered for optimal purification efficiency, attracting water soluble compounds, glycerin, soaps, glycerides and solids. The media will also adsorb excess methanol from the matrix although we recommend removal of the methanol PRIOR to the GlyceRXTM process. This ensures the longest bed life possible for the media.

Fast Facts:

- GlyceRXTM was designed specifically to meet the ASTM and EN specifications
- Ease of Use – GlyceRXTM is easy in – easy out. No more filter press, dusty loading or messy resins to handle while eliminating the inconsistencies of cellulose and other organic processes.
- Feedstock Flexibility – Tests have show GlyceRXTM works equally well within a full range of biodiesel feedstock, from soy through yellow grease.
- Low Cost Solution – GlyceRXTM has been designed to keep treatment costs low. For typical applications, treatment cost estimates are between \$0.03 and \$0.04 per gallon of biodiesel processed.



The GlyceRXTM System:

In existing systems, GlyceRXTM media can be housed in equipment once used for dry wash including resin towers, other dry wash media tanks and activated carbon vessels.

For new systems, GlyceRXTM we offer a range of filter housings, including both single and dual vessel systems ranging in size from 5 GPM, based on our K9 housings up to 225 GPM, based on a carbon steel, lined vessel. This range allows the user to select the most economical solution for their operation.

For large scale applications ranging from 40 to 225 GPM we offer carbon steel vessels with biofuel compatible lining, elliptical man-ways of 18" x 14" located on top of tank for easy access and. legs and fork channels.



Distributed By:
Dexter Biodiesel Solutions
 Houston, TX
 713.389.8595
 nathan@dexterbiodiesel.com

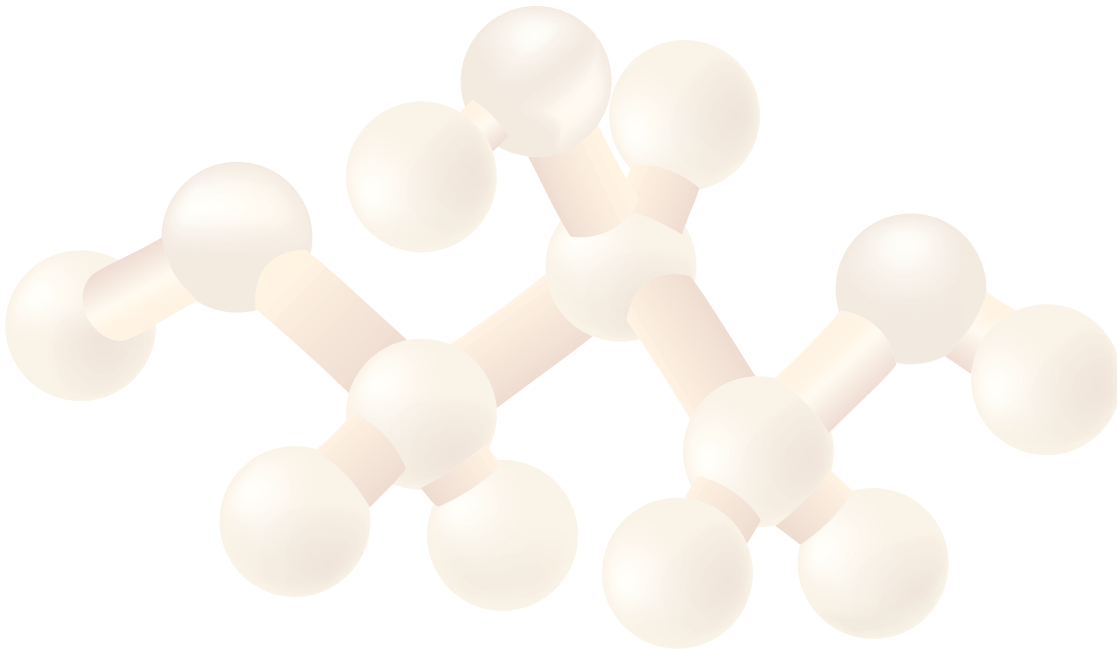
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Carbon Steel Vessel Overview:

Model	Max Flow (GPM)	Max Press (PSIG)	MAX TEMP (deg F)	FNPT INLET/ OUTLET (IN)	DIA Height (IN)	STD. ADSORBENT FILL (LBS)	Contact Time @ Max Flow (MIN)	Shipping Weight Standard Fill (LBS)
GMH-500	40	75	130	2/2	30/72	500	3.5	107
GMH-1000	55	75	130	2/2	36/98	1000	5.0	1860
GMH-2000	100	75	130	3/3	48/102	2000	5.5	3150
GMH-3000	155	75	130	3/3	60/105	3000	5.4	4700
GMH-5000	225	75	130	4/4	72/134	5000	6.1	

Test System:

Since there exists a wide variety of processing systems in the biodiesel industry, coupled with an even wider array of feedstock types and quality, Schroeder Biofuels developed a trial sized GlyceRX™ system, DS-100 for on-site validation prior to full size system installation. The system is a drum style tower system capable of holding 11 cubic feet of GlyceRX™ media or 500 pounds. The system is designed with a 1" FNPT inlet and outlet and PVC internals. The system arrives filled with GlyceRX™ and ready to install. The vessel is made of 17-gauge carbon steel and is triple lined specifically for biodiesel production. The system will operate up to 6 PSI and 120 degrees F. It is recommended that the system be held under 100 F and 5 PSI.



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