

## Glyorb™ Cartridges and Housings





### Purpose

- ▶ Glyorb™ is a proprietary absorbent granule designed to absorb glycol, lube oil, amine, and corrosion inhibitor vapors. This action helps to preserve the integrity of the sample when moisture analysis is being performed and to protect the analyzer.
- ▶ If glycol vapor is allowed to contaminate the moisture analyzer sample system, its adsorption/desorption can affect the moisture analysis.
- ▶ Glycol, lube oil, amine, and corrosion inhibitor vapors can cause damage to certain types of analyzers.





### Notes

- ▶ The granules are typically packed in a disposable cartridge and then placed in a housing.
- ▶ A variety of cartridge and housing sizes are available .
- ▶ It is recommended that the smallest cartridge suitable for the application is used to minimize the response time of the analyzer.
- ▶ Glyorb™ will not alter the moisture content of sample gas; however, it will adsorb some hydrocarbons and H<sub>2</sub>S therefore, it is NOT recommended when performing BTU or H<sub>2</sub>S analysis.

\* See the Glyorb™ cartridges and housings product sheets for additional information.

	<p><b><u>Glyorb™ Plus Cartridge</u></b></p> <ul style="list-style-type: none"> <li>▶ For protection of portable moisture analyzers having a small amount of vapor contaminant in the sample.</li> <li>▶ Cartridge size is 0.25” diameter x 0.9” long</li> <li>▶ Recommended housing is the Swagelok® TF filter body (not sold by A+ Corporation, LLC)</li> </ul>
	<p><b><u>Model TF Filter</u></b></p> <ul style="list-style-type: none"> <li>▶ Glyorb™ Plus cartridges were designed to fit in the TF filter body</li> <li>▶ This “T-type” filter is sold by Swagelok® and can be purchased through a Swagelok® distributor</li> </ul>
	<p><b><u>Mega Glyorb™ Cartridge</u></b></p> <ul style="list-style-type: none"> <li>▶ For protection of portable or stationary, “on line” moisture analyzers having a fair amount of vapor contaminant in the sample.</li> <li>▶ 13 times the absorbent capacity of a Glyorb™ Plus cartridge</li> <li>▶ Cartridge size is .375” diameter x 2.5” long</li> <li>▶ Required housing is the “in-line” Model 410 filter housing</li> </ul>
	<p><b><u>Model 410 Filter Housing</u></b></p> <ul style="list-style-type: none"> <li>▶ An “in-line” filter housing designed to house the Mega Glyorb™ cartridge</li> <li>▶ 1/4” FNPT connections</li> <li>▶ Rated for 2,000 PSIG (MOP)</li> </ul>

**Glyorb™ Cartridges and Housings**

	<p><b>Ultra Glyorb™ Cartridge</b></p> <ul style="list-style-type: none"> <li>▶ For protection of stationary, “on line” moisture analyzers having a fair amount of vapor contaminant in the sample</li> <li>▶ 2.5 times the absorbent capacity of a Mega Glyorb™ cartridge</li> <li>▶ Cartridge size is .5” dia x 2.75” L</li> <li>▶ Required housing is the “T- type” Model 420 filter housing</li> </ul>
	<p><b>Model 420 Filter Housing</b></p> <ul style="list-style-type: none"> <li>▶ A “T-type” head and bowl filter housing designed to house the Ultra Glyorb™ cartridge                     <ul style="list-style-type: none"> <li>▶ Bowl can be unscrewed for easy access to the Glyorb™ cartridge, eliminating the need to disconnect fittings</li> </ul> </li> <li>▶ 1/4” FNPT port connections</li> <li>▶ Rated for 5,000 PSIG (MOP)</li> </ul>
	<p><b>Super Glyorb™ Granule Package</b></p> <ul style="list-style-type: none"> <li>▶ For protection of stationary, “on line” moisture analyzers which require long service intervals (such as offshore locations)</li> <li>▶ Granule package contains approximately 30 times more volume of Glyorb™ than a Mega Glyorb™ cartridge</li> <li>▶ Recommended housing is the Super Glyorb™ housing</li> </ul>
	<p><b>Super Glyorb™ Housing</b></p> <ul style="list-style-type: none"> <li>▶ Designed for use with Super Glyorb™ granules                     <ul style="list-style-type: none"> <li>▶ Filters in the end connections retain the granules</li> </ul> </li> <li>▶ 1/4” MNPT port end connections</li> <li>▶ Rated for 1,800 PSIG (MOP)</li> </ul>

