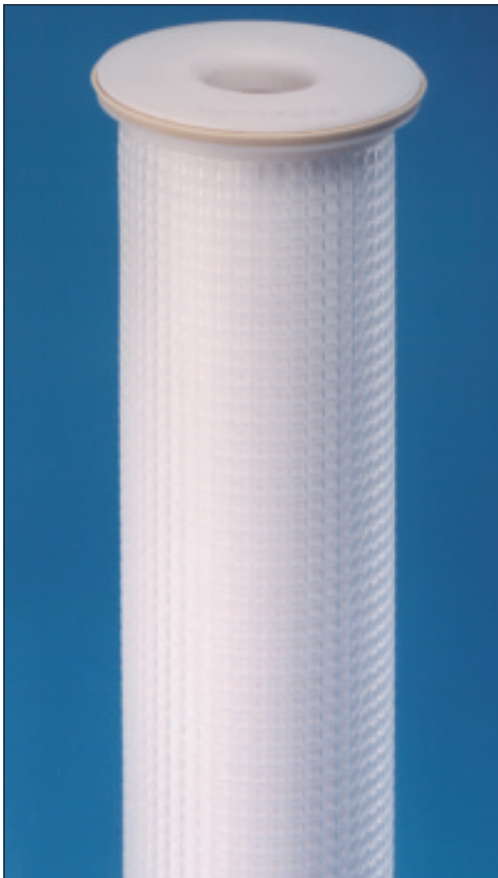


## **R** Giardia Lamblia Cyst Removal Filter Bag

In answer to the stringent Federal Surface Water Treatment Rules now in effect, Rosedale has developed a filter bag certified to remove the **Giardia lamblia** cyst. Giardia is the main cause of camper's diarrhea and other digestive illnesses. The rule regarding giardia is that 99.9% (3 log) must be removed (2 log through filtration and 1 log through disinfection). The Rosedale Giardia Lamblia Removal (GLR) bag is certified to be 99.95% efficient at 3 microns.

The relative low cost of these bags makes them the ideal solution for smaller water authorities. A single-bag filter housing with a GLR bag can filter up to 20 gallons of water per minute.



Using Rosedale's multi-bag filter housings, it is possible to filter water at up to 500 GPM. These housings can be banked together in parallel, providing even greater throughput. A pre-filter, Graded Density (GD) bag must be installed prior to the GLR housing to filter out larger particles, lessening the dirt-load on the GLR bag. The Graded Density (GD) bags are made of various layers of polypropylene microfibers and standard fibers variably calendered (see page 117). This greatly increases the dirt-holding capabilities of the GD bags.

### How it Works

The GLR bags have as many as 26 layers of high-efficiency microfiber material for filtering out contaminant. The initial layers are pre-giardia filtration levels, while the next several layers filter out the Giardia pathogen itself. The final layers are barriers that prevent any of the bag material from migrating into the effluent.

### Filtration Level

The Rosedale GLR bag has been tested by an independent laboratory to determine the filtration efficiency of the media used in each of the filter bags.

Model Number	825
EFFICIENCY	MICRON RATING
99.95%	3.0

### Design Details

All GLR bags have a polypropylene top that has a sealing gasket. All seams and joints on the bag are precision sealed with food-grade adhesives to prevent leakage.