

Product Catalog Coolant Filtration



MGF SERIES

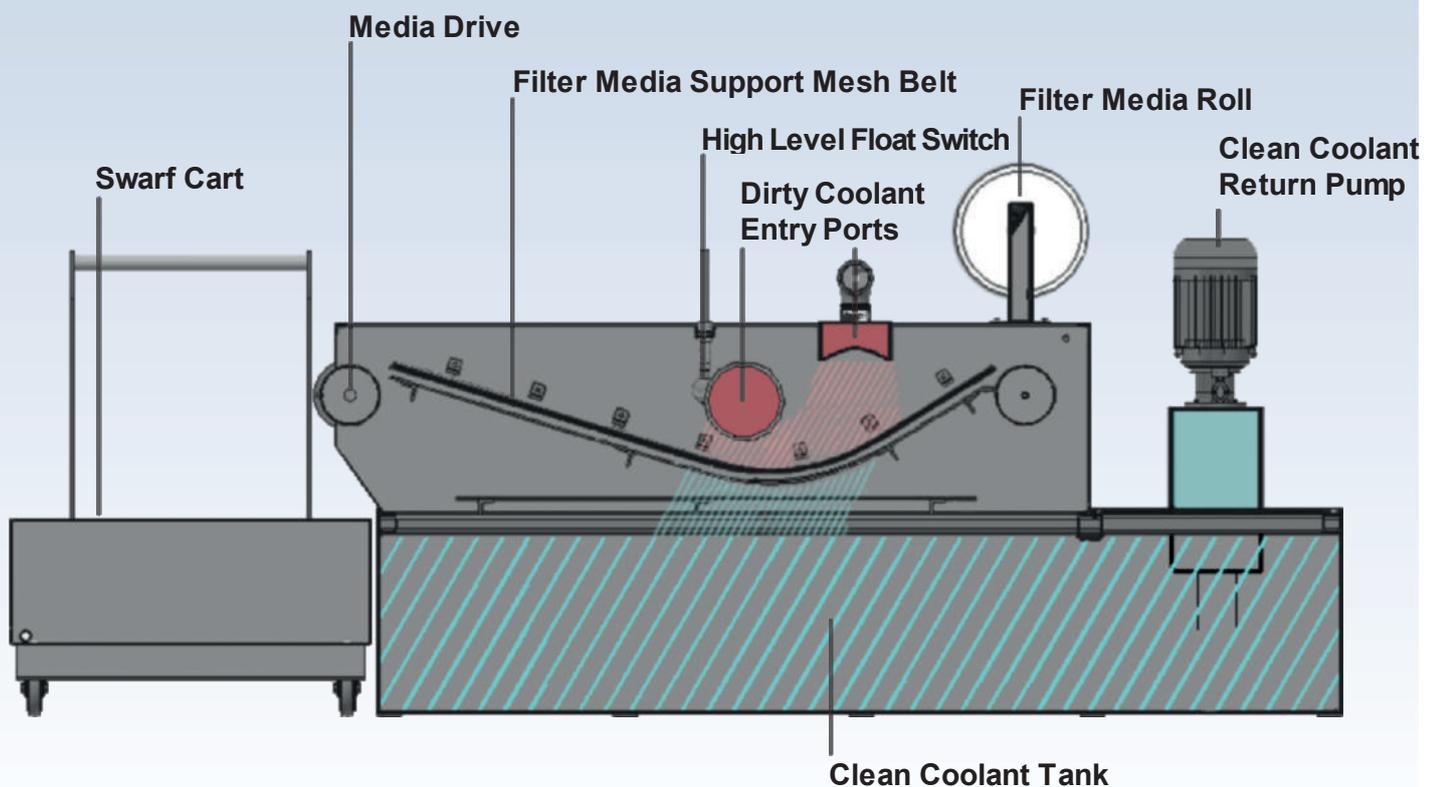
MicroTech GravityFlo Filter

The MicroTech GravityFlo Filter (MGF) is an automatic gravity filter designed for cleaning all types of water based coolants. The MGF is a simple yet very effective paper roll media filter that provides continuous removal of grinding particles from metalworking coolant. GravityFlo Filters assure a consistent supply of clean coolant which is filtered down to 20 - 30 microns at flow rates up to 100 GPM. They are an economical option to roll media vacuum filters or pressure filters.

ABOUT

Contaminated fluid from the Machine Tool is gravity fed directly into the MGF entry diverter box or it can first flow into a custom designed pump back sump and then be pumped into the MicroTech Gravity Flo Filter. The contaminated fluid flows down through the clean media by gravity and as the fluid passes through the synthetic roll media, the solids larger than 20/30 microns are deposited on the media surface. After a few cycles, a filter cake builds on top of the media

trapping finer particles from moving forward. When the media becomes loaded with this build up of solids, the flow becomes restricted, which causes a rise in liquid level and the float sensor advances the media just far enough to lower the dirty coolant level to a pre-set operating level. The media is supported by a continuous mesh belt that advances by an externally mounted gear box and drive shaft.



| Model MGF (LxWxH) | Filter Area (Sq. Ft.) | Coolant Flow Rate (GPM) | Tank Size (Gallons) | Media Width (Inches) | Entry Height (Inches) |
|-------------------|-----------------------|-------------------------|---------------------|----------------------|-----------------------|
| MGF-300 | 16 | 60 | 300 | 40 | 25 |
| MGF-700 | 16 | 60 | 700 | 40 | 47 |

FEATURES OF THE MGF INCLUDE:

High quality components with alarms and gauges to easily identify any problems that may occur.

Unique mixture of features enables the maximum productivity out of filter at the minimum cost of maintenance.

Can be designed to have a particularly compact footprint to for use in areas with restricted floor space.