

FAQ - Can I get the KMG in outdoor cabinets?

The KMG Industrial filter is available in both Open Panel designs and NEMA 1 general application industrial indoor enclosures. The KMG General Purpose filter is available in NEMA 1 and NEMA 3R enclosures. TCI would be happy to assist you with the mounting of an open panel design into an enclosure of your choosing. For additional assistance, contact the TCI Technical Support Group.

FAQ - Can I incorporate the KMG filter into my drive cabinet or MCC?

It is quite common to specify the KMG MotorGuard in an open panel design and install it in an open bay of the drive cabinet. TCI has worked with drive manufacturers to develop a standard set of back panel dimensions that easily incorporate into many standard drive cabinets. Please see filter dimensions and watts loss information on the TCI web site for use in your application.

FAQ - What benefit does the KMG filter with the board option provide?

The KMG output filter is an L-C-R, low pass filter. This is a tuned filter which combines inductance, capacitance, and resistance. Along with these fundamental components, the filter contains an optional protection monitor board. This board ensures that the filter is providing adequate dv/dt and peak voltage protection and includes a fault alarm relay for customer use. For more detailed information, please refer to the Installation, Operation and Maintenance Manual.

FAQ - What types of enclosures are available for the KMG filter?

The KMG Industrial filter comes in a standard open panel construction for customers installing the filter into their drive or auxiliary cabinet, and a NEMA 1 enclosed version for general industrial indoor applications. The KMG General Purpose filter is available in NEMA 1 indoor and NEMA 3R outdoor enclosed versions.

FAQ - Where should the KMG filter be mounted?

We recommend the filter be mounted directly adjacent to the output terminals. In most applications, it is possible to mount the filter and drive side-by-side. Due to the possibility of increased parasitic component effects such as cable capacitance, it is recommended to limit the distance between the drive and the KMG filter to less than 10 (wire) feet.