

FAQ - Can I mount the V1k filter on top of my drive cabinet?

For most sizes, the V1k can be mounted on top of a drive cabinet. Please see the outline drawing of the specific rating you request for an exact layout and mounting configuration.

FAQ - Can I place the V1k anywhere on the output side of the drive?

The V1k output filter is designed to be located directly next to the VFD. TCI recommends the filter be located within 10 feet of the drive to properly handle the voltage distortion, dv/dt, before it escalates on the line and causes damage to the motor and lead cables. If this is not possible due to the location or configuration of the drive system, we recommend our customers contact TCI Technical Support to discuss the application and ways to address this situation.

FAQ - Will the V1k fit into the same panel space as the KLC output filter?

Because of the new design, the V1k is smaller than the KLCUL in most instances and in many instances, smaller than the KLC output filter. This was one of the design parameters of the new filter configuration. Outline drawings are posted on the TCI website for both the KLC and V1k product lines.

FAQ - Can I use any type of lead cable with the V1k output filter?

Yes, any standard approved type of lead cable can be use along with the V1K. From testing conducted at TCI, we have found the use of flat ribbon and armored cable to produce the best results in keeping the motor terminal peak voltage to the lowest point of line distortion.

FAQ - Does the V1k come with field connection terminals?

The V1k filter comes complete with connection terminals such as a terminal block on the smaller units and compression lugs on the larger size units. Please see the outline drawings for the connections provided on the specific size needed.

FAQ - Is the V1k connected the same way as the KLC output filter?

The V1k is connected in the same fashion as the KLC filter. It is a simple series connection between the drive and motor. Again, the filter is designed to be installed directly next to the drive and simply connected to the drive output terminals. Unlike some output filters that are installed at the motor end, the V1k is conveniently located along side the drive and is useful at protecting both the motor and lead cables.