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Syracuse
6500 New Venture Gear Dr.
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Tel: 315-399-5801

CoolBLUE Inductive Absorbers

Contact your local representative for our full listing of available lines!



New Bearing Protection for VFD Motors



Improves Reliability!

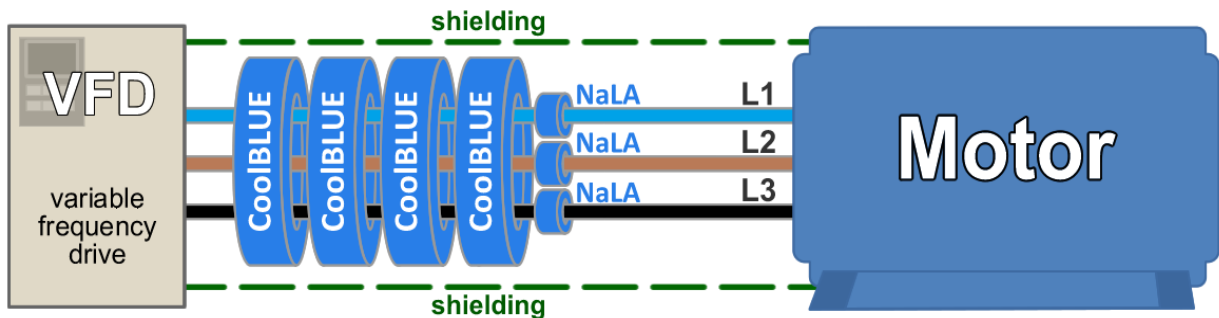
CoolBLUE® cores act as a common mode choke by absorbing the damaging high frequency noise associated with VFD's, so you can maximize equipment reliability, reduce maintenance costs associated with grounding rings, and avoid unscheduled downtime.

Saves Time!

Installation around power cables takes less than 10 minutes. Simply disconnect power cables, install cores around power cables, and reattach power. Done!

Saves Money!

Less than 7 core sizes fit all motor applications (1/4 hp to 1600+ hp). CoolBLUE cores last a lifetime, and there is no maintenance.



We Don't Divert The Problem...We Remove It!

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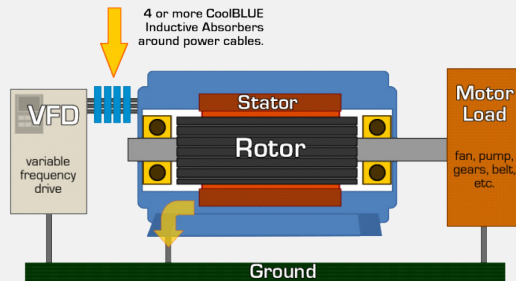
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CoolBLUE Inductive Absorbers absorb the noise on the power cables generated from the VFD before it gets to the motor. The CoolBLUE cores act as a common mode choke (CMC) in this given configuration, and dissipates into thermal. No motor modifications, no shaft preparation, very easy installation. Can be added to systems with very minimal downtime.

CoolBLUE

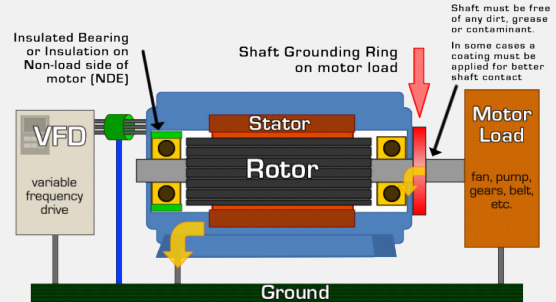


1. Installation can be done in a matter of minutes, on site.
2. Shaft contaminants are not an issue since the currents are absorbed well before the motor.
3. No extra parts because of motor keyways or wash-down applications. Cores are installed between motor drive and motor, even in harsh conditions.
4. Last a lifetime of the system. Since it is not mechanical, they only need to be installed once.
5. Less than a dozen choices cover all motor sizes.
6. No hybrid or ceramic coated bearings needed, no matter the size.
7. One choke per system, not per motor.
8. Common mode chokes are designed to absorb common mode currents BEFORE they get to the motor.

Solution – **CoolBLUE** Inductive Absorbers!



Other Solutions



1. Installation is not an exact science. In order for the grounding ring to work sufficiently, it must be properly aligned with fibers touching all sides, at all times.
2. Installation cost is significant to the end user.
3. Shaft must be completely free of contaminants, and in some cases a coating must be applied to the shaft, which adds cost.
4. Cannot be installed over keyways. Extra parts must be installed to avoid keyways.
5. Cannot easily be installed in motors in wash down applications.
6. They have to be replaced every time anything is done inside the motor, i.e. new bearings are installed.
7. Literally hundreds of products to fit hundreds of different motor shafts or motor sizes.
8. On systems above 75HP, a hybrid or coated bearing/raceway is needed on non-load side of motor.
9. Shaft must remain clean from contaminants. Any material, oil/grease/corrosion/other, will cause the fibers to loose contact, and lose their ability to properly shunt the currents to ground.
10. One product per motor. For example, a simple wall of fans driven by one drive, requires all motors to have grounding ring installed.
11. Grounding rings do not get rid of the destructive currents. They provide a path to motor casing. If the motor casing is not properly grounded, that stray current can and will go into other parts of the system...back to VFD, to the load, etc.
12. Margins on grounding rings are very high, and very profitable for the reseller.