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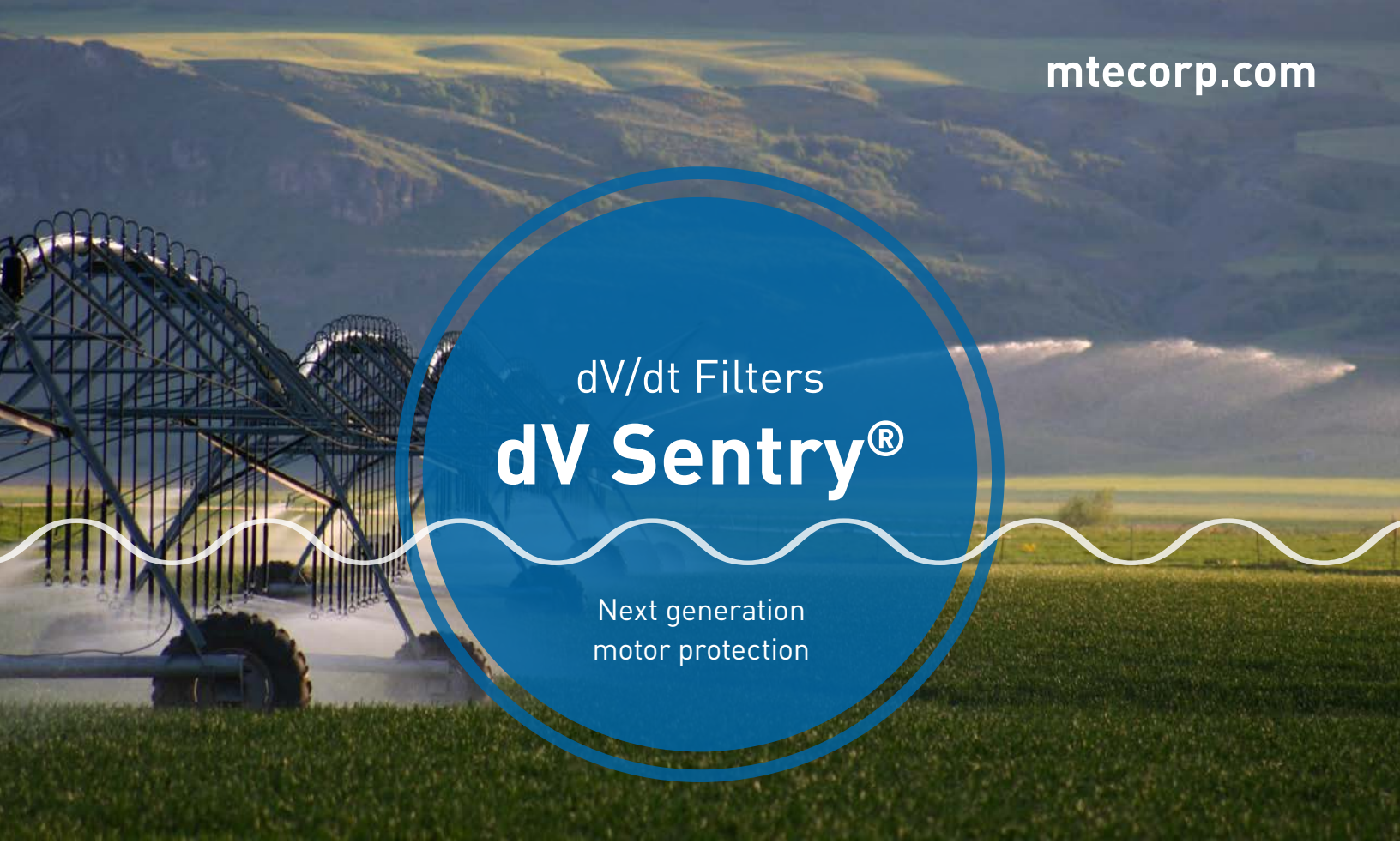
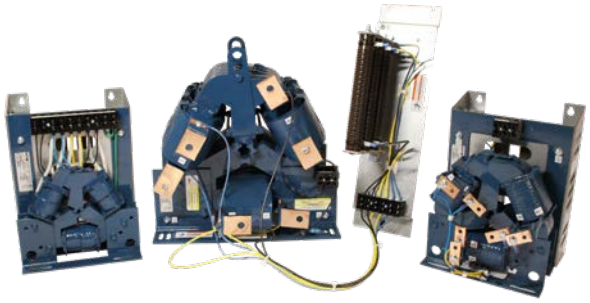


dV/dt Filters

dV Sentry®

Next generation
motor protection



- **True common mode reduction, peak voltage protection, and rise time reduction**
- **World leading motor protection technology in the market**
- **Low watts loss**
- **Small, advanced, robust design, easily installed**
- **Quiet as a conversation**
- **Three-year warranty**

The future is here.

The dV Sentry® is the revolutionary solution for motor protection with its unique all-in-one design. It is the only filter on the market proven to provide common mode and rise time reduction, as well as peak voltage protection. This gives greater motor protection over time.

It features a small footprint and easy terminations to make installation faster and easier. Plus, it runs quietly and radiates less heat than previous filters. The dV Sentry is unique, and when it comes to motor protection, there is nothing better.

MTE
POWER QUALITY. SOLVED.
A STEEL PARTNERS COMPANY

With the patented dV Sentry®, you get the most advanced motor protection in its class.

Motor Protection

The unique design of the dV Sentry allows for greater load side protection from voltage spikes and common mode voltages for your AC motors cable and VFDs.

Patented design provides over 50% common mode reduction, peak voltage protection, and rise time reduction - all in one filter.

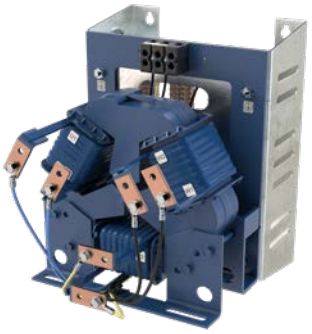
Low watts loss reduces heating in systems.

Small footprint, with a unique flat design, allows filter to be easily integrated.

Strong robust design allows the filter to withstand installation and other difficult environments.

Runs quieter, comparable to a normal conversation.

dV Sentry™

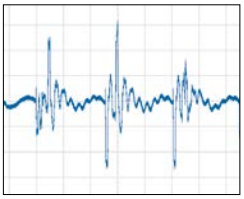


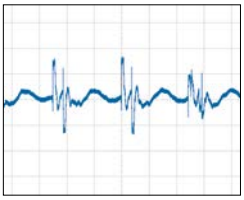
Performance Specifications

Input Voltage	**208V - 600V +/- 10%; 60Hz**
Current Range	**3A - 600A (2 HP - 600 HP)**
Inverter Operating Frequency	**Up to 90Hz without derating Up to 120Hz with derating**
Maximum Ambient Temperature	**-40C to +60C modular filter -40C to +50C enclosed filter**
Insertion Loss (Voltage)	**1.7% @ 60Hz; 2.6% @ 90Hz**
Efficiency	**>99%**
Altitude Without Derating	**3,300 feet above sea level**
Maximum Motor Lead Length	**1,000 feet**
Relative Humidity	**0% to 99% non-condensing**
Current Rating	**100% RMS continuous 150% for 1 minute 200% for 10 sec**
Carrier Frequency Range	**3A - 110A; 900Hz - 10kHz (up to 14kHz with derating) 130A - 600A; 900Hz - 5kHz**
Motor Audible Noise	**Less than 65dB**
Rise Time	**Less than 0.1 uS**
Peak Voltage	**150% of DC bus voltage up to 1,000 feet**
Common Mode Reduction	**50%+ peak current reduction typical**

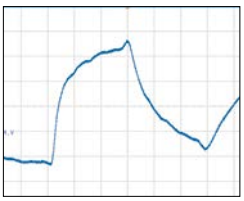
Final product specifications subject to change at anytime.

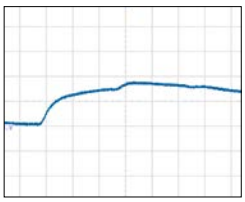
Common Mode Reduction:


Without dV Sentry

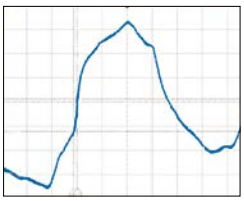

With dV Sentry

Peak Rise Protection:


Without dV Sentry


With dV Sentry

Rise Time Reduction: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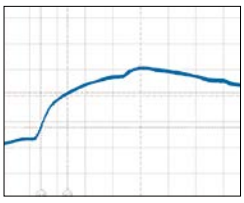
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