www.onfilter.com

CleanSweep®
AF Series AC Power Line EMI Filters

Clean Power Free of High-Frequency Noise

OnFILTER CleanSweep® EMI filters provide noise-free AC power for your sensitive equipment in end-user installations. Innovative patented design accomplishes maximum noise suppression of signals polluting your power lines and ground, freeing your equipment from harmful interference.

Clean power is essential for uninterrupted and problem-free operation of electrical and electronic equipment. As electromagnetic interference (EMI) spreads through power lines and ground, it causes downtime and errors in today's equipment and may inflict component damage.

Unique design of OnFILTER' CleanSweep® series focuses on the properties of real-life signals on power lines and ground and produces maximum attenuation of the "worst offenders" on power lines. In addition to EMI filtering, CleanSweep® AC EMI filters provide unparallel reduction of transient surges unattainable by regular surge protectors.

Filters are very easy to install - just plug it into the wall outlet and plug your equipment into the outlet on the filter.

Various configurations available

Applications

- Electronic manufacturing
- Semiconductor fabrication
- Test and measurements
- Data centers
- Industrial robotics
- Medical
- Military and aerospace
- Wherever EMI is an issue

Features

- Easy plug-in installation
- Optimized for power lines
- Effective noise suppression for all types of noise
- Models for up to 250V AC 30A

Increased Up-Time

OnFILTER' CleanSweep® filters reduce equipment downtime caused by EMI and increase its performance and productivity by providing clean power to your sensitive equipment

Real-Life Applications

Unlike commodity filters designed for compliance measurements in a laboratory environment, CleanSweep® filters are optimized for effective suppression of noise in actual applications providing superb attenuation at lower frequencies where regular filters fail

Suppression of Noise on Power Lines and Ground

OnFILTER' CleanSweep® filters provide suppression for differential mode (between power' live and neutral), common-mode (between live, neutral and ground) and, uniquely, for ground itself

Advanced Surge Protection

OnFILTER CleanSweep® series filters add substantial performance improvements to conventional surge protection by reducing residual high-voltage "spikes" down to a negligible level

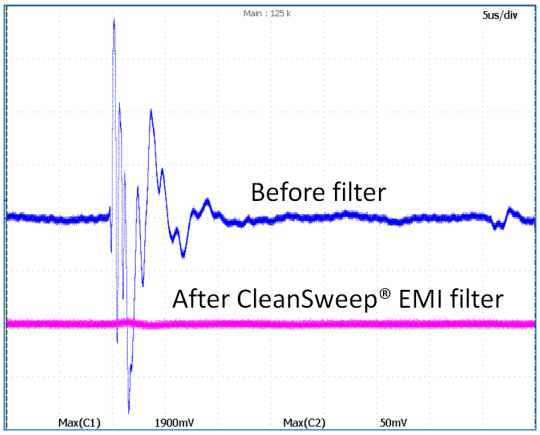
CleanSweep®
AF Series
Single Phase 13...30A
Power Line AC Filters

OnFILTER

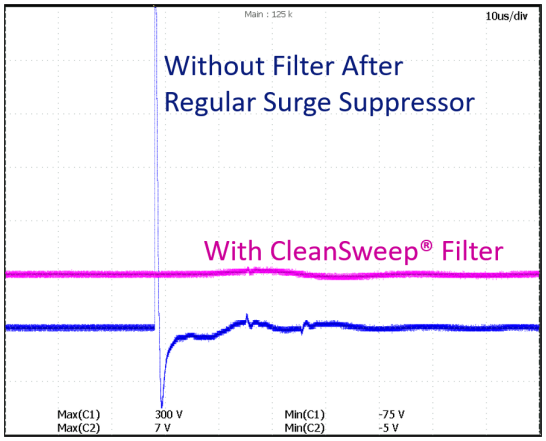
Specification

OnFILTER CleanSweep® filters utilize patented technology to provide maximum noise suppression in actual installations, not just in the controlled laboratory environment.

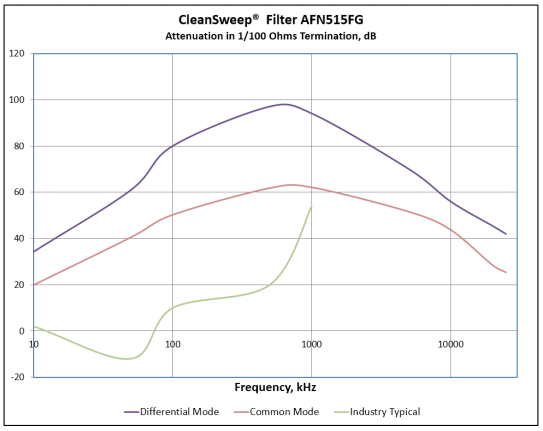
Parameter	AF Series Filter
Rated Voltage, RMS	110...250V
Rated Current, RMS depending on outlet type	13 ... 30A
Transient Signal Attenuation (Typical)	
Differential Mode	24dB
Common Mode	20dB
Leakage Current	
Standard models	<3.5mA
Hospital/Medical version	<0.5mA
Power Indication	LED
Dimensions (WxDxH) (rubber feet mount)	6.15”*6.1”*3.20” 157*155*81mm



Typical Performance (Differential Mode)



Typical Power Surge Attenuation



Typical Frequency Domain Attenuation

AF Series Filters Option

Mounting

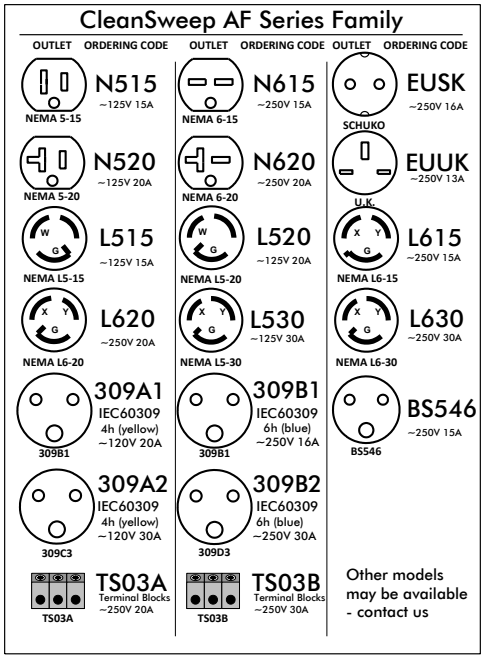
Basic filters come with rubber feet. Should you need to fasten a filter in place, we offer mounting flanges option—add “K” to the model number.

Hospital/Medical Grade

These filters use lower leakage current and, as a result, have slightly lesser common mode attenuation. Suitable for non-invasive medical equipment.

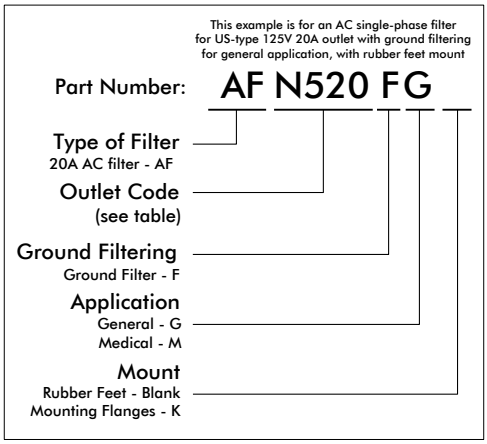
Our filters shall never be used in life– or mission-critical applications where a failure of a filter may lead to an injury or loss of life, or property damage.

Ordering Information



Most important parameter you need to select is the type of your outlet. If in doubt, send us a photo of the outlet.

The maximum current rating for a particular model is defined by the type of the outlet.



Intertek

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All specifications are subject to change without notice. U.S. Patent 10,263,591 Made in U.S.A.