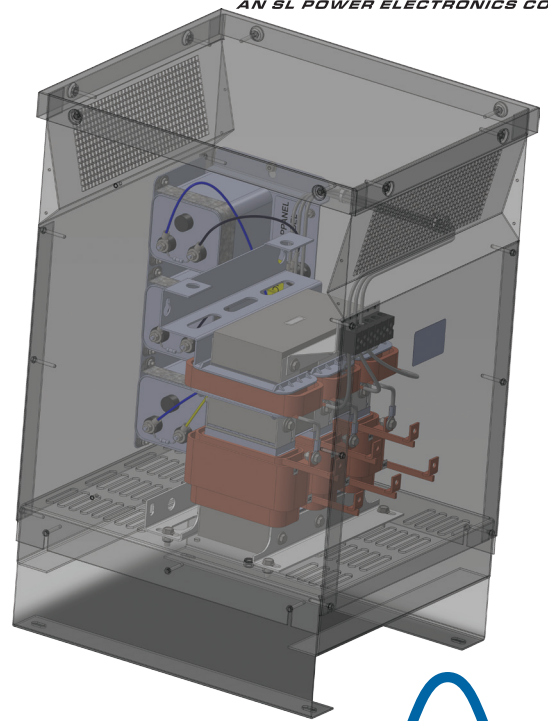




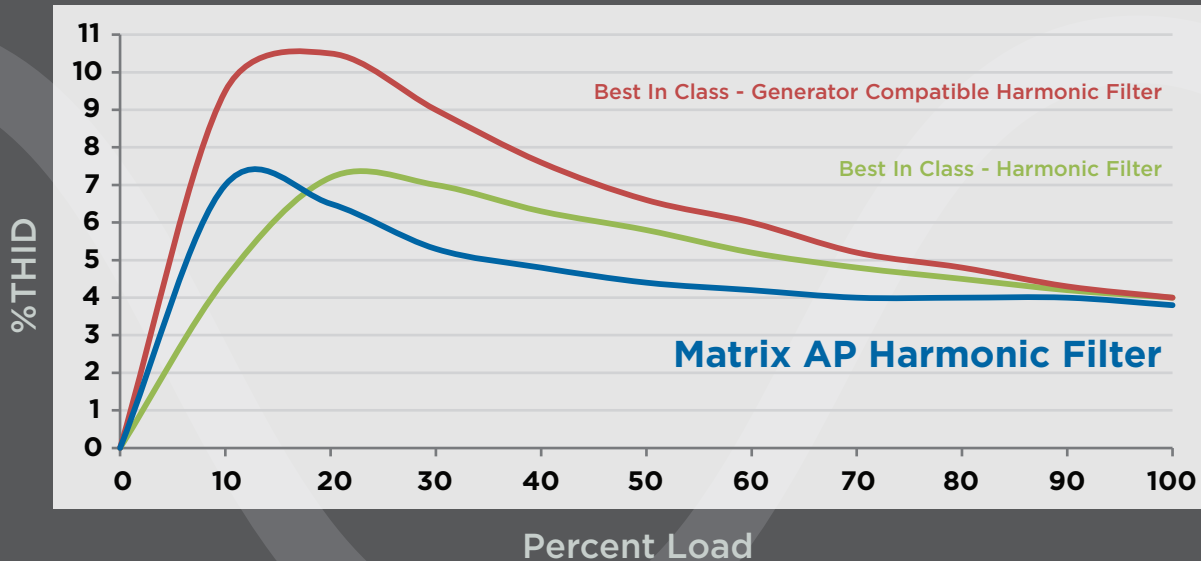
IMPROVE YOUR POWER QUALITY & ENERGY EFFICIENCY... WITH MTE'S NEW **ADAPTIVE PASSIVE TECHNOLOGY*** TO ACHIEVE BETTER THID PERFORMANCE OVER A WIDER LOAD RANGE



*Patent Pending

ADAPTIVE PASSIVE PERFORMANCE.

The Matrix AP helps meet IEEE519 Requirements (5% THID) under lighter loads.



Designed to be Convection-Cooled & Compatible with Generator Systems

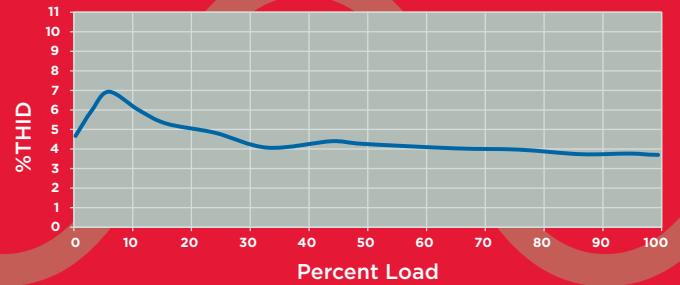
MATRIX AP Evolution

- No Resistors Required
- Fewer Capacitors
- Standardized Wiring
- No Fans Required
- Modular Components
- Top Lifting Provisions

MTE MATRIX FILTERS HAVE EVOLVED AGAIN INTO A BETTER SOLUTION

Already inherently superior because the magnetic core and the shunt core are integrated into the same lamination stack, the Matrix AP achieves better THID performance over a wider load range and especially lowers harmonic distortion at lower loads. Not only is the Matrix AP more efficient with six pulse drives than a stand-alone 18 pulse rectifier, it's more economical and less expensive.

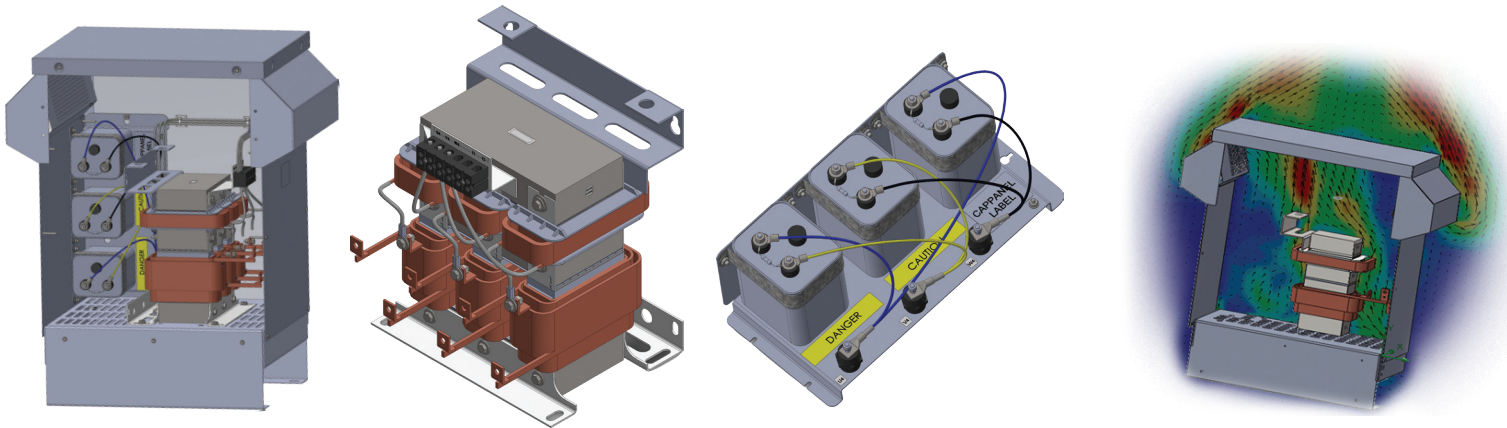
Matrix AP Filter 165A, 480V
Total Harmonic Current Distortion



Some of the Matrix AP models tested had even better THID!

What makes them "Adaptive"?

Our patented technology allows the filter to adapt to various loads while still providing optimized THID performance.



Mechanical Configuration 103 A (above) Capacitor panel is easily removable and the standardized wiring makes for ease of field wiring. With no resistors or fans present there's no side access obstruction. The use of high current capacitors reduces the number needed. (Only 3 capacitors in Matrix AP v. 9 in Series D.) State-of-the-art software tools have been used to model convection cooling and optimize the cabinets.

SPECIFICATIONS

Load	6 pulse rectifier
Input Voltage	Nominal voltage VAC +/- 10%, 3 Phase
Frequency	Nominal Frequency + .75 Hz
Input Voltage Line Unbalance	1% maximum
Maximum Source Impedance	6.00%
Minimum Source Impedance	1.5%
Service Factor	1.00
Ambient Temperature (Operating)	
Enclosed Filters	-40 to +40 degrees C
Open Panel Filters	-40 to +50 degrees C
Storage Temperature	-40 to +90 degrees C
Altitude	0 to 3300 Feet above sea level without derating
Relative Humidity	0 to 95% non-condensing
Agency Approvals: UL and cUL Listed	UL508 and CSA-C22.2 No 14-95 File E180243 (3HP to 1000HP, 120VAC to 600VAC, 50Hz, 50/60Hz, & 60Hz Three Phase)
Performance: Total Harmonic Current Distortion	8% MAX at 30% LOAD 5% MAX at FULL LOAD

MATRIX AP BENEFITS

- Less Heat Generated
- Reduction In Component Wiring
- Field Serviceability
- Simplified Field Wiring
- Power Factor Control (Contactor Option)
- Location Portability
- Environmentally Flexible
- Configurable

Our representative in your area is



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Form MAP-PSP-E January 2012

MTE Corporation - Driving Power Quality

MTECORP.COM