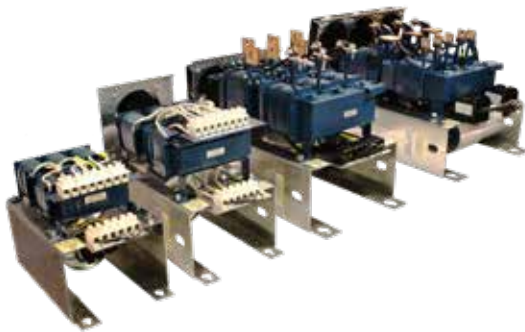


Harmonic Filters **Matrix® APAX**

Quality, convenient solutions for
reducing harmonic distortion



- **Compact passive harmonic filter**
- **Meets 10%-15% harmonic distortion requirements**
- **Over temperature switch included**
- **Easy to integrate and install**
- **Designed in the USA**

Power quality just got easier to achieve.

The patented Matrix® APAX is the convenient solution for meeting specific harmonic distortion requirements. Designed in the USA and built to meet MTE's proven standards for quality, the Matrix® APAX helps reduce harmonic distortions caused by non-linear loads such as Variable Frequency Drives (VFDs).

It features a one-panel design with fewer connections and optional contactor positions. This makes it easier to integrate and easier to install. With Matrix® APAX Harmonic Filters, power quality, energy efficiency and reduced downtime are easy to afford.

The convenient, easy-to-install solution for harmonic filtering.



The Matrix® APAX Harmonic Filter can be specified for use on the input of your VFD or other 6-pulse rectifier power supply to meet the 10%-15% requirement for harmonic distortion.

Units range in size from 6 amp to 320 amp.

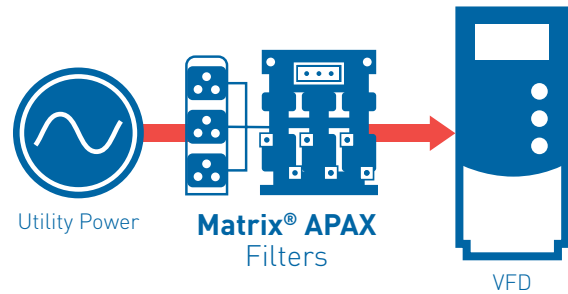
Backed by our proven expertise for reliable harmonic mitigation.

Improves system efficiency and reliability to lower total cost.

Helps extend service life of electrical equipment and transformers.

Alleviates system downtime by preventing blown fuses and tripped circuit breakers.

Matrix® APAX



Performance Specifications	
Service Load Condition	Load: 6-pulse rectifier only
Input Voltage†	380V - 415V +/- 10%; 50 + 0.75Hz; 3-phase
Current Range	6A - 320A (1.5 KW - 150 KW)
Maximum THID*	8% @ full load 12% @ 40% load
Maximum Ambient Temperature	-40C to +50C open panel filters -40C to +90C storage
Insertion Loss @ Full Load‡	<5%
Efficiency	>98%
Altitude Without Derating	3,300 feet above sea level
Relative Humidity	0% to 95% non-condensing
Current Rating	150% for 1 minute duration
Fan Life Expectancy	80,000 hours @ 40C

Product specifications subject to change at anytime.

* On systems with a DC link choke or reactor.

† Also available in 380V;60Hz. Contact MTE for details.

‡ Insertion loss for the 380V;60Hz version can measure up to 6-7%.



Matrix® APAX Harmonic Filter comes standard with field installable contactor options.



MTE Corporation
N83 W13330 Leon Road
Menomonee Falls WI 53051
(800) 455-4MTE • (262) 253-8200

Menomonee Falls, WI • San Diego, CA • Singapore • Xianghe • Tecate • Mexicali