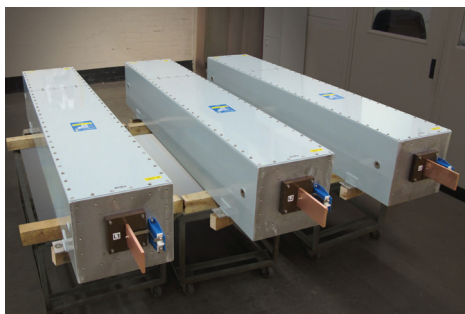




A standard 6A high-performance HEMP power line filter



A consignment of MPE's 1200A HEMP filters prior to shipment



Array of MPE HEMP filters in service at RAF Fylingdales in North Yorkshire

High current filters now standard in HEMP catalogue

In recent years MPE has experienced a growing trend in many applications for high-altitude electromagnetic pulse (HEMP) filters with increasingly high current capability. This phenomenon is attributed to the greater and greater quantities of equipment being installed in the facilities to be protected and its ever growing power requirements. The trend is widespread around the world, including territories as diverse as the USA, Europe and the Republic of South Korea.

For years MPE has been manufacturing and supplying on request high current HEMP filters, up to and including 4800A, which have long remained in service, thereby reducing costly plant maintenance and system downtime.

MPE has previously reported on such installations as far back as Company Bulletin Issue 10, which featured the RAF Fylingdales early warning and military satellite tracking station in North Yorkshire, where MPE's high current filters have now been working for more than six years.

Company Bulletin Issue 13 described the installation of MPE's 1200A HEMP filters in a Department of Defense facility in Virginia, where they have now been in operation for over four years. This has been one of a number of critical defence applications in the USA. Then, more recently, MPE provided its HEMP filters to fulfil a huge 4800A requirement in mainland Europe.

Because of this regular demand for high current HEMP filters, MPE has taken the logical step of adding them to its standard HEMP catalogue, now expanding that catalogue to include filters up to 3600A.

Very different to other manufacturers' offerings, these filters are now available as standard catalogue items and are supplied as a complete solution with all the connecting busbars, gaskets and end compartments required for installation. MPE is the only filter manufacturer to offer this.

What is more, MPE is still the only filter manufacturer to openly publish the independent PCI test reports for its filters on its company website.

MPE's HEMP power line filters consist of a single circuit with no current-sharing elements, thus avoiding the problems inherent in high-current filters which are based on the paralleling of multiple lower current filters. In addition to its HEMP power line filter ranges, MPE continues to manufacture and supply many other HEMP ranges, including control line, data line, telephone line and other truly customised variants.

By clicking [here](#) you can download your copy of the latest 22pp catalogue of MPE power line filters to protect your systems against High-Altitude Electromagnetic Pulse (HEMP) and Intentional Electromagnetic Interference (IEMI) threats.