



A 32A 4-line Mil-Std-188-125-1A HEMP filter designed and manufactured by MPE in Liverpool, UK

MPE – the World’s First Manufacturer to release full Mil-Std-1A filter range

In February 2023 MPE was the world's first manufacturer to publish independent test certificates confirming compliance with the requirements of Mil-Std-188-125-1A. In March 2023 MPE became the world's first manufacturer to publish further independent test certificates covering a full range of filters through to 1200A. Following on from these firsts, MPE has now released its full HEMP filter range compliant with Mil-Std-188-125-1A, becoming the only manufacturer in the world to do so.



Part of a large HEMP filter order being shipped from MPE

Across a ten-month period, MPE completed an extensive and innovative research and development program, conducted at MPE in Liverpool along with a rigorous testing program completed independently by Jaxon Engineering & Maintenance of Colorado Springs. The end result was MPE's range of Mil-Std-1A compliant filters spanning 16A to 1200A and including 2-line, 3-line and 4-line options. Whilst filters from this range have already been manufactured and shipped, MPE officially released this full filter range on 31st March 2023.

Radically different to MPE's previous HEMP filter ranges, these groundbreaking Mil-Std-1A compliant filters feature single-line, modular elements which are line-replaceable and may be easily added to, allowing for future installation expansion where required. The provision of external mounting feet and the inclusion of separate input and output enclosures also greatly simplify installation and reduce the installation time required on site.

Individual filters through to 1200A are available. For sites with even higher currents, individual 1200A units can be paralleled to address requirements through to 6000A. With MPE having exported to some 28 different territories during 2022, this further new range of HEMP filters builds on the continuous and very significant EMP filter growth MPE has experienced since 2020, with EMP filter sales having increased by some 500%.

All MPE filters can be quoted for and supplied delivered duty paid (DDP) inclusive of shipping and all duties. MPE has been granted an Approved Exporter status by UK HMRC and utilises a specialist freight forwarding partner to ensure the swift transportation of goods.

In addition, features such as Tip'n'Tell® indicator labels are incorporated, ensuring the integrity of shipments. Once such a label has been affixed to a packing case, that crate cannot be tipped without leaving evidence of mishandling.



The Tip'n'Tell® indicator label affixed to the shipping crate prior to despatch from MPE gives clear evidence of any mishandling en route

The average lead-time for the supply of this Mil-Std-1A filter range is 10 to 12 weeks from receipt of an order. Credit card, proforma and credit payment terms are all available and, for clients in the USA, units can be quoted and payment made in US Dollars (USD), ensuring that order placement and contracting are as seamless as possible.

MPE's full range of Mil-Std-188-125-1A filters can be viewed at <https://www.mpe.co.uk/products/mil-std-188-125-1a-heap-filters/> and independent PCI test certificates for these filters at www.mpe.co.uk/downloads/test-certificates/. The release of this catalogue downloadable from [here](#) and the World's First Mil-Std-188-125-1A compliant filter range further cement MPE's reputation as the world's number one EMP filter provider.

FAST FACTS ON MPE LTD

- Trading for over 98 years, MPE employs more than 60 people.
- MPE has designed and manufactured in excess of 10,000,000 high-performance protection filters and feedthrough capacitors across the last 30 years.
- Many products in continuous service for more than 25 years.
- MPE's portfolio spans over 20,000 custom designs.
- MPE is certified to the ISO 9001:2015 quality standard, and its products meet all applicable defence, safety and regulatory standards.



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