

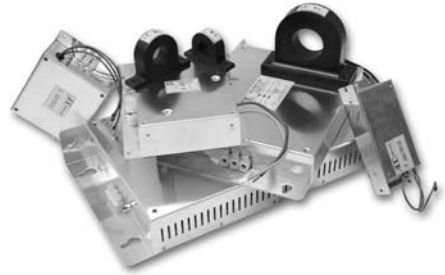
FOR FREQUENCY INVERTERS

Features

Three phase filter for frequency inverters/PDS.
 "Foot-print" mounting.
 High attenuation properties.
 Small and ergonomic size.

Maximum operating voltage: 520Vac.
 Operating frequency: DC - 60Hz.
 Hipot test voltage: L/N→PE: 3000Vdc 2s.
 L→N: 2250 Vdc 2s.

Application class:
 HPF Acc. TO DIN 40040 (-25°C/+85°C/95% RH, 30d).
 Flammability class: UL 94 V2.



Introduction to Inverter Filters

PREFILTER has developed a very comprehensive INVERTER EMC FILTER family including two specific sub families:

- Foot Print filters, for installation below the Inverter, and
- Filters for LIFTS (P-0999).

Each family is designed to meet the specific ElectroMagnetic Compatibility Standard for each product.

PREFILTER has the expertise and equipment to design customer specific EMC Filters; both in Electrical and Mechanical design.

In this Filter family, PREFILTER Manufacture EMC Filters both Single-Phase and Three-Phase up to 900 Amps and voltages of 250V, 520V and 720V.

Inverter Connection Information

- A. Ground all metallic conductive parts using suitable cables to a central point. Ensure that paint is removed from metalwork to provide a good earth contact.
- B. The EMC Filter should be placed as close as possible to the inverter case.
- C. Separate the motor cables and supply cables as much as possible.
- D. Use shielded cable (with copper braid and earth wire) from the filter to the motor. Connect the shielding and earth at the both ends.
- E. If required, use Output Ferrites in the motor cable - place the ferrites as close to the inverter as possible. Wind the motor cables around the ferrite (as least twice) but do not wind the shield or earth wires around the ferrite.
- F. Follow the Inverter Manufacturers Installation instructions, making sure that earth is as good as possible.
- G. Separate the motor and control cables as much as possible.
- H. Use copper braid to connect the Electrical Control Panel with its Door, to provide a good earth connection.
- I. Connect the motor frame direct to earth.