



Universal Shielding has been in business serving the EMI community for the past 49 years. We offer Power Line Filters, Communication Filters, and Ethernet Filters for all applications.

We stock a wide variety of filters and can offer expedited deliveries.

Facility Power Line Filters
USC-W-(AMPS)-B(# of lines)
High Performance Series Capacitive Input
100 db from 14 KHz - 18 GHz



Removable Internal Filters

1. RF shielded compartment
2. EMI Gasket
3. Standoff Isolator
4. RF Welded Filter Pipe Penetration (Optional)
5. Discharge Resistor



RF Filter Cabinet
(600 Amp, 3-Phase)

6. Filter Compartment





**UNIVERSAL SHIELDING POWER FILTER
MODEL USC-W-XXX-BX**

Part No.	Amperage	Height (A)	Width (B)	Depth (C)
USC-W-50-B4	4x50 Amp.	39-3/4"	24-3/4"	17"
USC-W-60-B4	4x60 Amp.	39-3/4"	24-3/4"	17"
USC-W-100-B4	4x100 Amp.	39-3/4"	24-3/4"	17"
USC-W-150-B4	4x150 Amp.	39-3/4"	24-3/4"	17"
USC-W-200-B4	4x200 Amp.	39-3/4"	24-3/4"	17"
USC-W-250-B4	4x250 Amp.	39-3/4"	24-3/4"	17"
USC-W-300-B4	4x300 Amp.	59-3/4"	24-3/4"	17"
USC-W-400-B4	4x400 Amp.	59-3/4"	24-3/4"	17"
USC-W-600-B3	3x600 Amp.	39-3/4"	35-3/4"	17"
USC-W-600-B4	4x600 Amp.	59-3/4"	24-3/4"	17"
USC-W-800-B4	4x800 Amp.	59-3/4"	46-3/4"	17"

Detailed filter cabinet drawings can be furnished upon request

Telephone: 631-667-7900
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FACILITY FILTER FUNCTIONAL CHARACTERISTICS

- Voltage Ratings:
 - 10 – 1000 VDC
 - 120/208 VAC (50/60 Hz)
 - 277/480 VAC (50/60 Hz)
- Voltage Drop:
 - 2% maximum at full rated unity power factor load.
- Harmonic Distortion:
 - 4% maximum at full rated unity power factor load
- Temperature Rating:
 - MIL-PRF-15733
- Current Overload:
 - 140% maximum current rating for 15 minutes
- RF Attenuation:
 - Greater than 100 dB isolation
- Dielectric With-Standing Voltage:
 - 1500 VDC
- Insulation Resistance:
 - MIL-PRF-15733
- Insertion loss:
 - 100 dB 14 KHz to 18 GHz Per MIL-STD-220A
 - 50/50 Ohm System
- Flexible Connection between Filter & Stand Off Isolator

INTERNAL FILTERS

- Low Pass filter circuits ~ passive components which includes inductors, capacitors, resistors and optional transient suppression devices
- Manufactured and tested per applicable portions of MIL-PRF-15733
- Filter cases 14 gage, CRS, plated finish
- Sealed with welded and soldered seams for shielding effectiveness
- Discharge resistors incorporated to eliminate potential shock hazard

ENCLOSURE

- Modified NEMA type fabricated panel of 14 gauge cold rolled steel painted blue
- RF tight inner area secured with RF gasket for 100 dB minimum shielding effectiveness, 14 kHz to 18 GHz
- Pre-wired standoffs and cable lugs
- Front covers access to filters and terminal standoffs
- RF pipe penetration

APPLICABLE SPECIFICATIONS

- Military Specifications
 - MIL-PRF-15733 General
- Military Test Methods
 - MIL-STD-202 Environmental
 - MIL-STD-220 Insertion Loss
 - MIL-STD-285 Shielding Effectiveness

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