



GENISCO FILTER™
always on.™

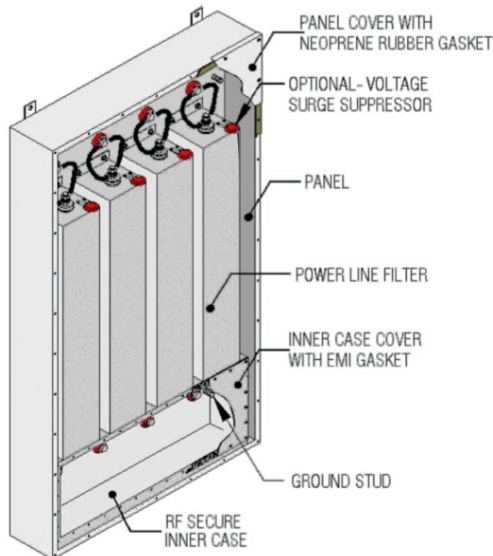


Facility Power Line Filter Panels

GFP78305 400Hz. Capacitive Input

>60dB @ 14kHz.

100 dB from 100 kHz ~ 18 GHz



PANEL OPTIONS			
GFP78305	-4x	100	-00
PANEL MODEL	NUMBER OF FILTERS *	Current Rating (AMPS)	Add-Ons (Opt)***
	-2x -3x -4x		00-Standard 01-Legs 02-Lights 03-MOVs 04-Legs+ Lights 05-Legs+ MOV 06-Lights+MOV 07-Legs+ Light+MOV
* One filter per conductive path			
*** Crate for shipping included in all options			

Product Summary

EMI/RFI Facility Power Line Filters are used to block unwanted signals and remove interference from entering or exiting through the power lines. Our GFP78305 Series 400Hz. Filter Panels have an insertion loss of >60 dB @ 14 kHz. - 100dB from 100 kHz. to 18 GHz

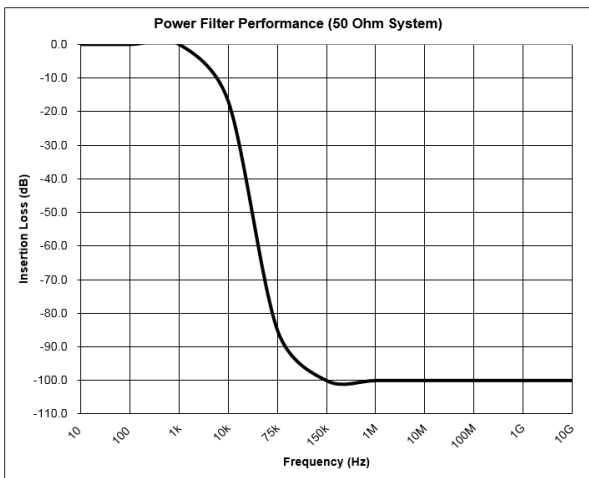
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FUNCTIONAL CHARACTERISTICS

- Voltage Ratings:
 - 24-1,000 VDC
 - 120/208 VAC (400 Hz)
 - 277/480 VAC (400 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
- RF Radiation:
 - Greater than 100 dB isolation
- Dielectric With-Standing Voltage:
 - 2,200 VDC (prior to installation of discharge resistors)
- Insulation Resistance:
 - MIL-PRF-15733 (prior to installation of discharge resistors)
- Insertion loss:
 - >60 dB @ 14 kHz
 - 100 dB @ 100 kHz to 18 GHz
 - 50/50 Ohm System



*Representation of Insertion Loss Specifications

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SPECIAL FEATURES

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 16 gage, CRS, plated or painted 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 not less than 14 gauge cold rolled steel painted Gray (Federal Color # 26307) PolyEpoxy
- RF tight inner area secured with RF gasket for 100 dB minimum shielding effectiveness, 14 kHz to 18 GHz
- Insulated standoffs and easy to connect barrel lugs for wire/cable termination
- Lifting ears included
- Front cover access to filters and terminal standoffs
- Floor or wall mount options
- **Shipped in fully enclosed wooden crate**

Applicable Specifications

- Military Specifications
 - MIL-PRF-15733 General
- Military Test Methods
 - MIL-STD-202 Component Parts
 - MIL-STD-220 Insertion Loss
 - MIL-STD-285 Shielding Effectiveness
- NFPA 70/2011 National Electrical Code Standards

Available Options

- Surge Suppressors
- HUB and Fitting Installation Kits
- Legs (8.0 Inch optional up to 250 Amp. Standard on 300 Amp and above)
- Custom Paint Colors (Enclosure)
- RF Secure Penetration Accessories
- Voltage Indicator Lights

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Mechanical Dimensions

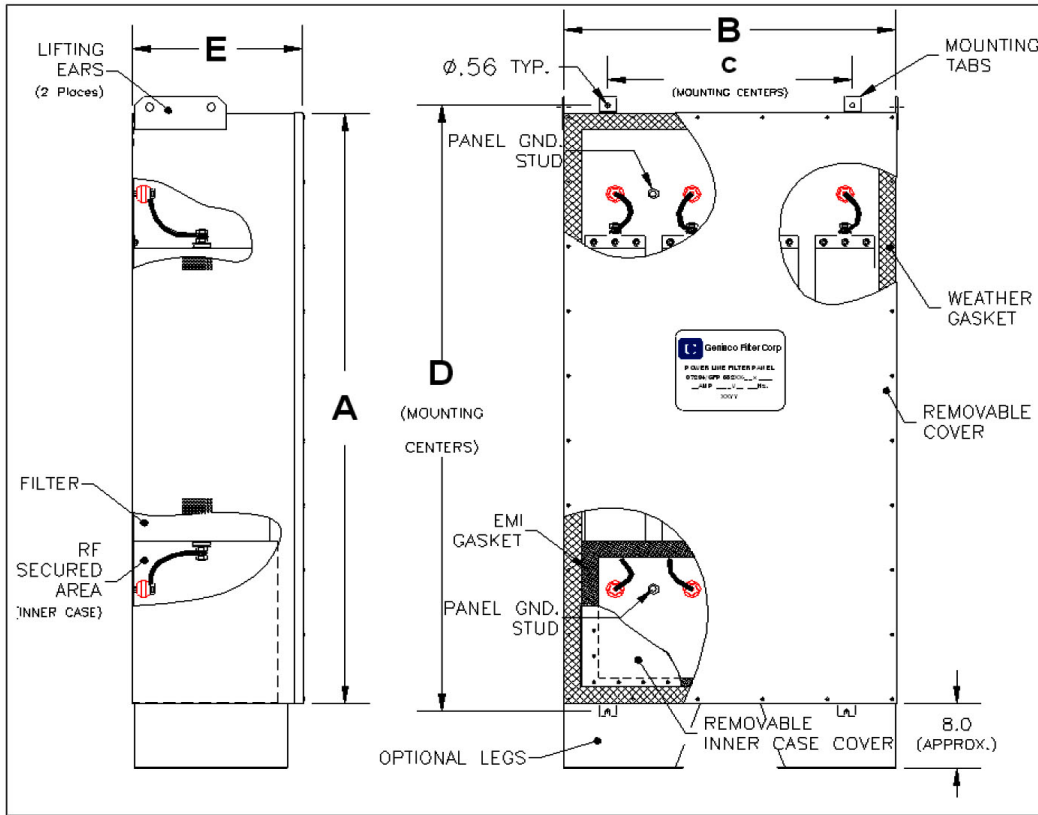


Table 1 Mechanical Dimensions

Quantity of Filters and Current Rating*	A	B	C	D	E	Approx Weight (lbs)
4x30 Amp	34	23	17	35.25	8.25	225
4x60 Amp	34	23	17	35.25	8.25	240
4x100 Amp	34	23	17	35.25	8.25	250
4x150 Amp	51	30	24	52.3	10	400
4x200 Amp	51	30	24	52.3	10	450
4x250 Amp	51	30	24	52.3	10	450
4x300 Amp	80" overall. Case 72". Legs add 8" **	39	N/A	Side tab	14	900
4x400 Amp	80" overall. Case 72". Legs add 8" **	39	N/A	Side tab	14	900

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