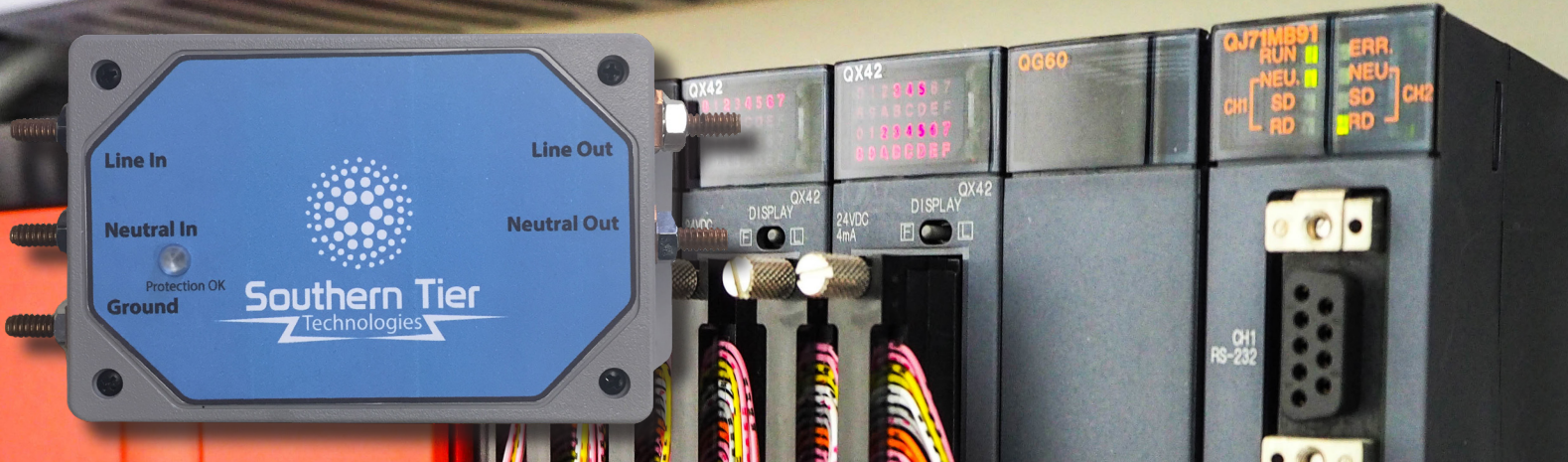




Tier 200ACF Series

Bronze Lug AC Surge Filter



The Southern Tier Technologies Bronze Lug AC Surge Filter features a design platform based on a unique multi-stage hybrid design. The coordinated surge and noise mitigation array makes it possible for the Tier 200 AC Filter to attenuate disruptive impulses that would normally go untouched by standard clamping devices. Its high-energy capability makes this an ideal product to protect sensitive equipment in the harshest environments.

Key Specs:

- **Operating Voltage:** 120 or 240VAC
- **Operating Current:** 5, 10, 15, 20, 30 Amps
- **EMI Attenuation**
- **Surge Capacity:** 50kA/mode, 100kA/Phase
- **Connection:** Series; 1/4-20 Bronze Lugs

Features:

- **Multi-stage hybrid design;** Inductor, Capacitor, Thermally Protected MOV
- **LED Status Indication:** Monitors all protected modes
- **5 year warranty**

Why Install AC Surge Filters?

High frequency noise and ringing transients generated by lightning, utility switching or an internal operation, can significantly impact your sensitive equipment. These power anomalies can easily disrupt your critical processes, or degrade and damage sensitive microprocessor driven equipment.

Innovative Solutions for Clean, Reliable Power



Tier 200ACF Series

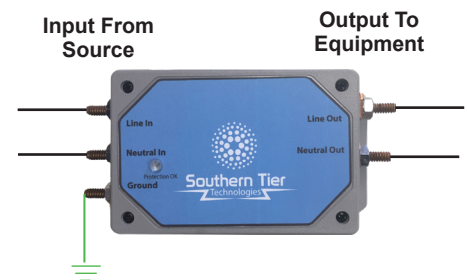
Bronze Lug AC Surge Filter

Low-energy transients and high-frequency noise events are responsible for both disruption and long-term degradation of sensitive microprocessor driven equipment. A complete power protection strategy should include installation of a high frequency noise/surge filter at the input of your most critical equipment as well as at the output of known disruptive devices.

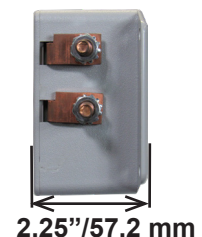
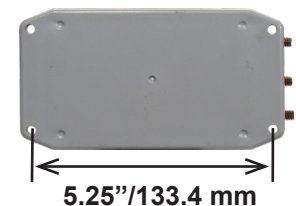
General Technical Specifications

| | |
|---|--|
| Operating Voltage | 120 & 240VAC |
| Maximum Operating Current | 5A, 10A, 15A, 20A & 30A |
| Maximum Continuous Operating Voltage (MCOV) | 120V, 150 VAC; 125% 240V, 320 VAC; 115% |
| Peak Surge Current Rating | 50 kA/Mode, 100 kA/Phase |
| Connection Type | Series, Input/Output; 1/4-20 Copper Bronze Lugs |
| Clamping Voltage | 340 VAC |
| Operating Frequency Range | 47 - 63 Hz |
| EMI Attenuation | Up to 60 dB typical |
| Protection Modes | All Connected Modes: L-N, L-G, N-G |
| Technology | Hybrid technology featuring thermally protected MOVs, Inductors and Capacitors |
| Standards: Designed and tested to: | UL 1449 4th Edition Recognized SPD, Type 2 Component Assembly, CSA 22.2, UL 1283 Rec. Filter |
| Status Indication | Green LED |
| Dimensions (in/mm) | 1.875"(H) x 3.25" (W) x 5.75" (L) (47.6 x 82.6 x 146.1 mm) |
| Weight (lb/kg) | 12 oz (.34 kg) |
| Operating Temperature | -40°C to +85°C |
| Operating Humidity | 0% to 95% non-condensing |
| Warranty | 5 Years |

Wiring Connections



Mounting



STT Tier 200 Ordering Information - Example Model Number: T2F12020L

| Product Series | Voltage (Single Ph) | Load Capacity | Connection |
|-----------------------|------------------------|---|--|
| Tier 200 Filter = T2F | 120 - 120 240 - 240 | 5 Amps - 05; 10 Amps - 10; 15 Amps - 15; 20 Amps - 20; 30 Amps - 30 | Lug - L; Terminal - T; Wire - W Outlet/Receptacle - See Outlet/Receptacle Sheet |