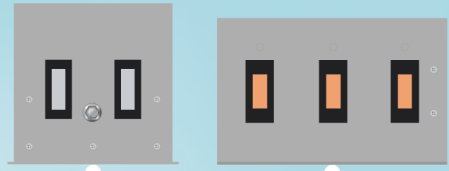


# PROFESSIONAL GRADE & COMMERCIAL APPLIANCES

Electrical devices such as home and commercial appliances often rely on EMI filter solutions to tackle unwanted electrical noise and adhere to strict compliance standards. The EMC regulations can differ based on manufacturing specifications and target goals. To guarantee compliance with EMC standards for each device, it is highly advisable to collaborate with an EMC engineer to comprehend the necessary criteria and choose the suitable EMI Filter. Astrodyne TDI presents a diverse array of EMI filter solutions tailored to deliver effective EMI suppression for appliances in commercial and residential settings.

**Single Phase 3-200 A / 300 VAC**  
**3-Phase Delta 6-400 A / 600 VAC**  
**3-Phase WYE 6-400 A / 600 VAC**  
**DC 25-400 A / 1200 VDC**

Alternative energy equipment necessitates medium to high insertion loss filters to meet EMI requirements. Consider utilizing single, dual, and multi-stage filters along with selectable line-ground capacitors (0-2000nF Y-capacitors).



**Single Phase 1-20 A**

Blenders and mixers need different levels of insertion loss to meet relevant limits. This applies to compact and ultra-compact models, along with quick disconnects, wires, and special connectors.



**Single Phase 3-20 A**

Microwave ovens and induction cooktops need medium to high-performance designs to keep the noise levels within acceptable limits.



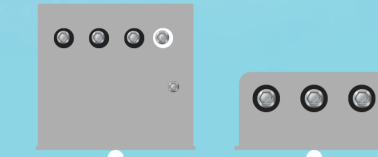
**Single Phase 3-20 A**

Electronic fitness equipment typically requires moderate to high insertion loss levels to ensure compliance with relevant standards.



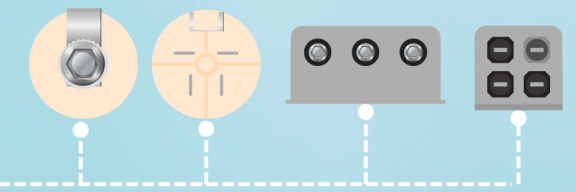
**Single Phase 3-200 A / 300 VAC**  
**3-Phase Delta 6-400 A / 600 VAC**  
**3-Phase WYE 6-400 A / 600 VAC**  
**DC 25-400 A / 1200 VDC**

Alternative energy equipment requires medium to high insertion loss filters to comply with EMI standards. It is recommended to use single, dual, and multi-stage filters in addition to selectable line-ground capacitors (0-2000nF Y-capacitors).



**Single-Phase 3-16 A (Applications)**

Washer and dryer machines need medium to high insertion loss levels to meet required limits effectively. They should also be resistant to water ingress and use metalized film technology for increased reliability.



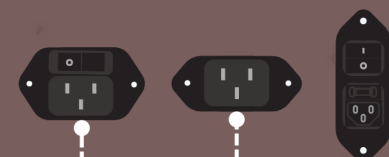
**Single Phase 3-16 A**

Floor cleaning equipment needs to meet moderate insertion loss levels to align with relevant limits. Additionally, it may require water ingress resistance in certain situations.



**IEC Inlets 1-20 A**

Coffee makers and vent hoods need to maintain low to medium insertion loss levels to meet the required limits effectively.



**Single Phase 3-20 A**

Refrigerators and chillers need medium to high insertion loss levels to meet the required limits and resist water ingress. They utilize metalized film technology for enhanced reliability.



**Single Phase 3-20 A**

Heating systems require medium to high insertion loss levels to ensure compliance with relevant regulations.

- Resistant to water ingress
- Utilizes metalized film technology for enhanced reliability

