

COMPETITIVE MATRIX - POWER CONDITIONER

	AC FILTERING	POWER FACTOR	ZERO GROUND CONTAMINATION	ISOLATION TRANSFORMER	AC OUTLETS	TVSS	JOULE RATING
FURMAN IT-REFERENCE 20	LINEARIZED	80 AMPS (PK UP SURGE)	YES	YES 7 AMPS	12	SERIES MULTI-STAGE PROTECTION	UNLIMITED!
MONSTER HTS- 7000 & 7000 SIGNATURE	NON-LINEAR	NONE	NO	YES 2 AMPS	12	SHUNT MODE	3145
PANAMAX -5510	NON-LINEAR	NONE	NO	YES 4 AMPS	11	SHUNT MODE	2325
RICHARD GRAY RGPC – 600S	NONE AUDIO LINEAR VIDEO	2 AMPS (PK UP SURGE)	YES	NONE	6	SHUNT MODE	100-200
RICHARD GRAY SUB-STATION – 120V	NONE AUDIO LINEAR VIDEO	NONE	YES	NONE	6	SHUNT MODE	100-200

Full Bandwidth - Linear Filtering Technology - Precisely Tuned Suppression of AC Noise

While many AC conditioners suppress noise at the radio frequencies, only Furman's Full Bandwidth filtering suppresses noise in the critical audio range as well (well over 40dB attenuation from 2kHz – 20kHz and over 80dB attenuation at 1GHz.) This feature ensures the widest dynamic range possible from critical audio components as well as the highest resolving power from your video screen.

Additionally, only Furman's Linear Filtering Technology is properly tuned for real-world AC power. Other filtering technologies may appear to be effective in laboratory conditions, but in typical home installations they can actually add noise to your AC line. Non-linear filtering creates havoc in sensitive equipment, robbing detail and resolution from your system. Quite often, a non-linear filter can actually be worse than no filter at all! Furman's different. Performance is noticeably enhanced with Linear Filtering. Every system – every time.

Power Factor Correction

Many power conditioners actually raise the AC line impedance, robbing your system's power amplifiers and powered sub-woofers of peak power delivery. Furman's exclusive Power Factor Correction circuit effectively reduces the incoming line impedance, supplying a power reservoir (over 80 amps peak charge) for current starved amplifiers. This technology gives them a noticeable boost in weight, impact, speed, dynamics, and clarity. Amplifiers simply work more efficiently with Power Factor Correction.

Zero Ground Contamination Transient Voltage Surge Suppression

Traditional Surge suppressors can leak high voltages into your components critical circuits. This is because most transient suppressor circuits have surge devices tied to the AC ground. Today's integrated circuits might be damaged when voltage spikes are present at a component's circuit ground. This antiquated suppression technology can damage sensitive integrated chips over time. Furman's Zero Ground Contamination assures no damage to your sensitive processing components even after thousands of transient voltage surges.

High-Bandwidth Isolated Cable and Satellite Transient Surge Suppression

Furman's cable / satellite surge suppression circuits not only protect incoming video lines, but they do it without adding ground loops that could contribute to AC hum-bar distortion in the video screen. Additionally, Furman's cable and satellite surge suppressors are Tivo friendly and designed to pass high definition video without compromising the signal.

Series Multi-Stage Protection

Furman's Series Multi-Stage Protection insures that transient spikes won't damage your sensitive equipment. Its advanced design is nearly indestructible due to its TZV ultra high current MOV and five stage series technology. In fact, this circuit boasts an unlimited joule rating! Typical Shunt Mode suppressors simply can't make this claim. The result? Virtually maintenance-free protection. No damaged equipment – No service calls – No down time.