

# P-8 PRO C

## CLASSIC SERIES POWER CONDITIONER (20 AMP)



ADVANCED POWER MANAGEMENT SOLUTIONS FOR AUDIO, VIDEO AND BROADCAST PROFESSIONALS.  
FURMAN BRINGS TOGETHER SUPERIOR PROTECTION AND OUTSTANDING PERFORMANCE IN A STURDY, RACK-MOUNTABLE DESIGN.

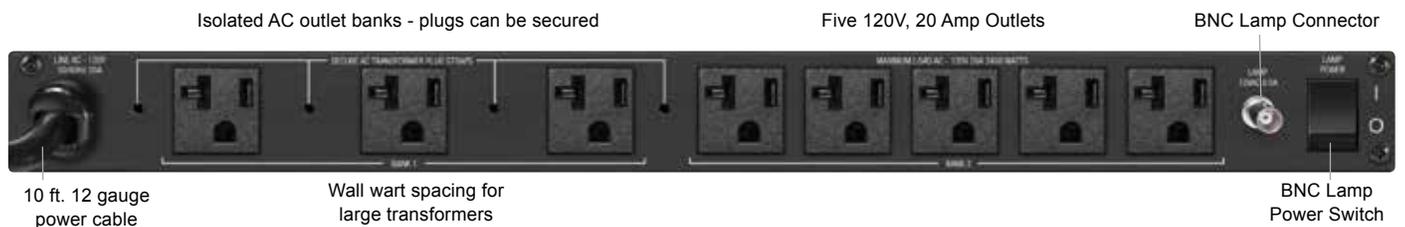


THE P-8 PRO C FEATURES FURMAN'S VENERABLE SERIES MULTI-STAGE PROTECTION (SMP) CIRCUIT AS WELL AS OUR EXCLUSIVE LINEAR FILTERING TECHNOLOGY (LIFT). TOGETHER, THESE TECHNOLOGIES COMPRISE WHAT IS, WITHOUT QUESTION, THE WORLDS MOST ADVANCED AND COMPREHENSIVE TRANSIENT VOLTAGE SURGE SUPPRESSOR / CONDITIONER.

### P-8 PRO C FRONT PANEL



### P-8 PRO C REAR PANEL





**SMP (SERIES MULTI-STAGE PROTECTION)** Furman's SMP surge suppression virtually eliminates service calls. Traditional surge suppression circuits "sacrifice" themselves when exposed to multiple transient voltage spikes, requiring the dismantling of your system, and repair of your surge suppressor. Not so with SMP. With Furman's SMP, damaging transient voltages are safely absorbed, clamped, and dissipated. Unique to Furman's SMP is its clamping voltage level. While other designs offer clamping voltages that are well above 330 Vpk, Furman's SMP clamps at 188 Vpk, (133 VAC RMS). This level of protection is only available with Furman's SMP technology. Additionally, Furman's trusted over-voltage circuitry protects against frequent and accidental connections to 208 or 240 VAC, by shutting off the incoming power until the over voltage condition is corrected.



**LiFT (LINEAR FILTERING TECHNOLOGY)** Unfortunately, traditional AC filters/conditioners have been designed for unrealistic laboratory conditions. Prior technologies, whether multiple pole filter or conventional series mode, could actually harm audio and video performance more than they help, due to the resonant peaking of their antiquated, non-linear designs. Under certain conditions, these designs can actually add more than 10 dB of noise to the incoming AC line! Worse still, lost digital data, the need to re-boot digital pre-sets, or destroyed digital converters are frequently caused by excessive voltage spikes and AC noise contaminating the equipment ground. Furman's SMP with LiFT takes another approach, ensuring optimal performance through linear filtering and no leakage to ground.



**EVS (EXTREME VOLTAGE SHUTDOWN)** Transient spikes and ground contamination are not the only problems faced by today's sensitive electronics. There are also sustained over voltage conditions, sometimes called extreme voltages. Many surge suppression devices will not be able to protect equipment from sustained over voltages. These conditions can occur for multiple reasons: a power pole may be damaged during a storm or accident; or, in many countries, such as USA and Canada, lost or intermittent neutral wiring of a multiple-zone system can result in a sudden connection well in excess of 208 volts AC. Many surge suppression devices are not equipped to handle these kinds of conditions. Without proper protection, the end result is destroyed equipment, or at best, a destroyed surge suppression system.

Furman's EVS constantly monitors incoming voltage, and once any overvoltage condition over 137 volts AC is detected, a relay opens which immediately shuts down the unit and all connected equipment. An indicator light informs the user there is a problem, and once the condition has been corrected, the unit may be reset and will operate normally.

**SPECIFICATIONS:**

**CURRENT RATING:**  
20 Amps

**OPERATING VOLTAGE:**  
90 to 140 VAC

**FREQUENCY:**  
50/60Hz

**OVER VOLTAGE SHUTDOWN:**  
140 VAC typically

**SPIKE PROTECTION MODES:**  
Line to neutral, zero ground leakage

**SPIKE CLAMPING VOLTAGE:**  
188 Vpk @ 3,000 Amps, (133 VAC RMS)

**MAXIMUM SURGE CURRENT:**  
6,500 Amps

**NOISE ATTENUATION (TRANSVERSE MODE):**  
10 dB @ 10 kHz  
40 dB @ 100 kHz  
100 dB @ 10 MHz  
Linear attenuation curve from 0.05 - 100 ohms line impedance

**MECHANICAL DIMENSIONS:**  
19" L x 10.5" D x 1.75" H  
Weight: 11 lbs (5 kg).  
Construction: Steel chassis, .125" brushed and black anodized aluminum front panel; glass epoxy printed circuit boards

**OPERATING TEMPERATURE RANGE:**  
0°C (32°F) to 40°C (104°F)

**OPERATING HUMIDITY RANGE:**  
< 90% RH

**POWER CONSUMPTION:**  
12 watts

**SAFETY AGENCY LISTINGS:**  
CSA UL1449



Make sure to pick up one of Furman's goose-neck lights - the perfect accessory for your P-8 PRO C unit. GN-LED GN-I

Specifications subject to change due to product upgrades and improvements.

WEIGHTS, DIMENSIONS AND UPC CODES

MODEL	PRODUCT DIMENSIONS	WEIGHT	CARTON DIMENSIONS	WEIGHT	SINGLE UNIT UPC	MASTER PACK QTY	MASTER PACK UPC
P-8 PRO C	19"L x 10.5"D x 1.75"H	7 lbs	22"L x 14.5"D x 4.25"H	8.5 lbs	654061041122	6	50654061041127