

# ACT SV200 SaveVar Home Power Quality Filter

## A Power Quality Filter & Energy Savings Device



- ▶ The ACT SV200 Home Power Quality Filter is designed to improve the quality of power being fed to all electronic and electrical components in a home. Like dirty water has to be filtered before being used, your power in your home must be as clean as possible to ensure proper operation of your sensitive electronic devices (TV, Computer, Stereo, etc..) and even your important electrical devices like HVAC, Dryers, Freezers, Pool Pump and Refrigerators. Poor power quality means your products have to work harder (meaning wasted electricity) and have a much shorter life than expected.

The ACT Power Quality Filter saves the consumer money by its unique 3 Element design (Patent Pending) that focuses on multiple issues going on in your power. The first part of the design attacks poor Power Factor, by increasing a lagging power factor on any motor in your home towards unity, will reduce the natural inefficiencies in supplying power to any motors in your house (See SaveVar Application brochure).

Reducing inefficiencies in power delivery to your electrical and electronic devices lowers wasted energy across the electrical wires, motor and transformer, which improves the motor performance and ultimately lowers electrical bills associated with your inductive devices like all motors to up to 8%.

The second element of the SaveVar Filter is an industrial sized surge protector capable of protecting your home even up to a single 80,000 amp lightning strike or can handle tens of thousands of smaller normal transient surges seen daily. Transient surges are known to be the number one power quality event that damages both electrical and electronic components.

The third element of the ACT Power Filter is a world class EMI/Low frequency filter. Low frequency power noise (3 kHz to 1 MHz) is actually being generated inside your own home. All electronic devices power in your home creates power noise pollution that harms other electronic devices in your home. Unlike other manufacturers, the ACT Advanced EMI filter focuses on the cleaning up these lower frequencies from 3 kHz to 1 MHz.

### ▶ RECOMMENDED LOCATION

- "P" versions safely plugs into household driers outlet
- "S" versions provides cable stubs to be hardwired into house or pool power panels

### ▶ FEATURES AND BENEFITS

- Conserve Energy – Can be part of your Home **"Green Initiative"**
- Quick return on investment with 3% to 8% electrical savings and reduced equipment failure
- Better Utilization of Power – Releases Energy Back Into the System to be used elsewhere
- Improves and Stabilizes Home Voltage – stable power Improves life of electrical devices in home, including computer, TV, refrigerator, freezer, and HVAC
- 80,000 Amp Surge Protector has proven to be strong enough to protect even cellular towers for over 25 years
- Filter is Safely Self-Fused
- 90 day Money Back Guarantee
- 1 Year Replacement Warranty

### ▶ STANDARDS MET

- Surge Protector is ETL listed to UL1449 3rd edition
- Filter designed to UL1283 Power Filter
- Meets ANSI/NFPA 70 National Electrical Code

### ▶ 3RD PARTY TESTED

- Performance tests conducted by 3rd party testing company

**FOR MORE TECHNICAL INFORMATION PLEASE REQUEST THE ACT 320 POWER FACTOR APPLICATION DOCUMENT**

**THINK GREEN –THINK SAVEVAR  
EASILY CONNECTS TO YOUR DRYER!**

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## 3 OR 4 PRONG DRYER PLUG OPTIONS

### UNIQUE 3-PART DESIGN FOUND IN NO OTHER PRODUCT

- Patent Pending on 3 element protection for home
  - Power Factor Correction
  - EMI / Low Frequency Filter from 3 kHz to 1 Mhz
  - Transient Surge Protection for whole home to 80,000 amps lightning surge per home

## TECHNICAL INFORMATION

### ▶ MECHANICAL SPECIFICATIONS

Enclosure - Metal	8" x 8" x 4"
Weight	10.6 lbs
Operating Temp	0 to +120F
Non-Condensing Humidity	5% to 95%

### ▶ ELECTRICAL SPECIFICATIONS

Connection Method	Parallel via Dryer Plug or with leads to power panel
20 Amp	20 Amp
Surge Protection Device	
Per Phase Max Surge Current	40 kA 8x20 uSec
Per Unit Max Surge Current	80 kA 8x20 uSec
100 kHz Surge Ring Wave	> 5000 surges

### ▶ PART NUMBERS MATRIX

#### ACT SVR 120S-XXX-YY

XXX =	200 Metal Enclosure
YY =	P3 3 prong dryer plug
	P4 4 prong dryer plug
	S 3 foot cable stub for panel mounting

FOR MORE TECHNICAL INFORMATION PLEASE REQUEST THE ACT 320 SAVEVAR APPLICATION DOCUMENT