

# ACT 320 Power Factor Filter

A Wall and Floor Mounted Energy Savings Device



- ▶ The ACT Power Factor Filter is designed to increase a lagging Power Factor on a motor back towards unity reducing the natural inefficiencies in supplying power to the motors. Reducing inefficiencies in power delivery lowers wasted energy across the electrical wires, improves motor performance and ultimately lowers electrical bills associated with your motors to up to 8%.

Correcting Power Factor towards unity will free up current normally tied to your existing motors. This means that without having to upgrade your facility power, you can now power other loads like new additional motors, lights and computers.

One of the first indicators of excessive currents in a facility may be failure of fuses and false tripping breakers. Many times over current is experienced because excessive voltages or harmonic voltages are present. The ACT PF filter in conjunction with other fine ACT Power Quality products can reduce harmonic voltages and power pollution that caused facility power problems and damages to the electrical loads.

For locations where the power company charges extra penalties for poor power factor, by correcting the power factor, The ACT PF Filter will reduce these extra penalties potentially saving thousands of dollars per year for these industrial locations.

## ▶ RECOMMENDED LOCATION

- Waste Water Treatment Facilities
- Hospitals and Health clinics
- Industrial Facilities
- Any standard Motors from ½ to 400 HP
- Facilities being penalized by Power Companies

## ▶ FEATURES AND BENEFITS

- Conserve Energy – Can be part of your **“Green Initiative”**
- Increases motor and electrical product life
- Better Utilization of Power – Releases System Capacity
- Reduces Utility Charges
- Improves and Stabilizes facility Voltage
- Reduces Power Losses
- Pays for Itself - Quick Return on Investment models
- Surge Protection protects motors and PF filter (Optional)
- Filter Fused to 100kAIC (Optional)
- Contactor disconnect/ connect circuit (Optional)
- Status Indicator (Green LED), each phase alarm (Red LED)
- Form C Remote Alarm NC & NO (Optional)
- 2 Year Warranty

## ▶ STANDARDS MET

- Safety – UL Listed
- ANSI/IEEE 141 – 1986
- ANSI / IEEE Std 519- 1992
- ANSI/NFPA 70 National Electrical Code

## ▶ 3RD PARTY TESTED

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

# ACT 320 Power Factor Filter



## TECHNICAL INFORMATION

### MECHANICAL SPECIFICATIONS

Enclosure Painted Steel NEMA 12  
Figure 00 to 6

See ACT 320 Application Guide

Weight 11 to 360 lbs

See ACT 320 Application Guide

Operating Temp -20 to +120F

Non-Condensing Humidity 5% to 95%

### ELECTRICAL SPECIFICATIONS

Connection Method Parallel

KVAR .05 - 400

Fusing 100 kAIC

Breaker (Option) 65 kAIC

Contractors (Optional) Removes capacitors from circuit when not needed

Status Indicator Green LED

Blown Fuse Alarm Red LED

Remote Relay Alarm Form C Contact (NC & NO)  
- 240 VAC 6 amps

Surge Protection Device (Optional) See ACT 452  
Specification Sheet

### PART NUMBER

ACT 320- VVVV- WWW- XXX- YY- S-		
<b>VVVV-</b>	<b>Voltage</b> 120S 120Y 277Y 240D 480D	120/240V 120/208V 277/480V 240V Delta 480 Delta
<b>WWW-</b>	<b>KVAR Size</b> 000.5 to 400.0	
<b>XXX-</b>	<b>Fuse/Breaker</b> FSE BKR	Fuse Breaker
<b>YY-</b>	<b>Contactor</b> CN	Contactor
<b>S-</b>	<b>ACT 452 Surge Protector</b> with surge protector	

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**EXAMPLE:** ACT320  
480D 010.0 FSE CN S