

Capacitor Bank Offerings

PFG Product Family



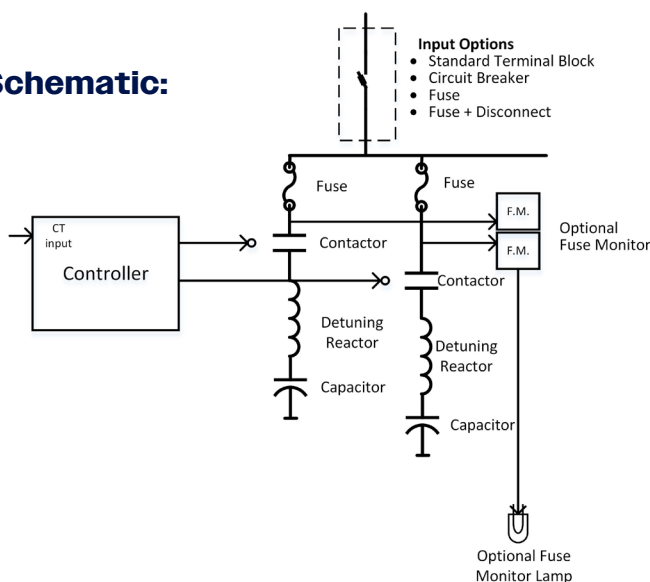
Avoid penalty fees and high utility bills with TCI's Power Factor Guard (PFG). By providing reactive power to your system, the PFG will improve your facility's power factor to near unity, thus reducing the amount of costly apparent power the utility must provide.

The PFG will reduce the demand on your electrical equipment, resulting in improved electrical system capacity and a more effective power supply.

FEATURES:

- Automatic switching design
- Controller interface to set desired power factor
- Built-in, detuned, anti-resonance reactor for an extra layer of protection from harmonics and equipment failure
- Half-Step switching to allow for finer Power Factor control
- cULus Listed

Typical PFG Schematic:



Technical Specifications

Voltage Rating	480 VAC
Phase	3-Phase
Operating Frequency	60 Hz
Fuse Interrupt Rating	200 kA
SCCR Rating	5 kA: Circuit breaker only
Voltage Unbalance	1% maximum
Continuous Overvoltage	110%
Capacitor Tolerance	±5%
Expected Life	Over 130,000 operating hours
Maximum Harmonic Voltage	5%
Discharge Time	Less than 1 minute
Environmental Conditions	
Operating Temperature	Enclosed: -10°C (14°F) to 40°C (104°F)
Storage Temperature	-30°C (-22°F) to 60°C (140°F)
Relative Humidity	95% non-condensing
Operating Altitude	Up to 1,000 m without derating
Cooling Method	Forced Air Convection
Reference Technical Standards	
Agency Approvals	cULus Listed
Enclosure Options	Type 1

APPLICABLE ACROSS INDUSTRIES:



**Large Industrial &
Heavy Manufacturing**



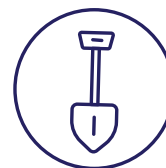
**Wood
Processing**



Tire/Rubber



Refineries



Mining