



gentec

ENERGY MANAGEMENT

RELIABLE POWER FACTOR CORRECTION

**40 years of
excellence**

in providing the
right solutions

From pre-packaged,
pre-designed capacitors
to custom-engineered
harmonic filters, Gentec
has reliable solutions
for all your power factor
correction needs.



CAPACITORS BANKS



DPFR Type Low Voltage Automatic Switched Banks

- Dry, self-healing, metallized polypropylene film.
- Individual capacitor elements are internally fuse protected.
- Dry film eliminates liquid spills.
- 6 or 12 step, solid state controller – displays power factor and the steps energized.
- Harmonic detection (THD) current and voltage.
- Control settings are digitally displayed and user adjustable.
- External fuses and heavy duty contactors for long life.
- Reactors limit inrush current when steps are switched in.
- CSA approved.
- NEMA 1 (indoor), NEMA 3R (outdoor), or dustproof enclosures.
- Available Ratings:

	- UNITS -	- BANKS -
240 volt	10-50 kVAR	10-600 kVAR
480 volt	10-100 kVAR	10-2000 kVAR
600 volt	10-100 kVAR	10-2000 kVAR

Customized switching steps.

- Options: - Main Breaker.
- Blown Fuse indicator lights.



Low Voltage Harmonic De-Tuned Banks

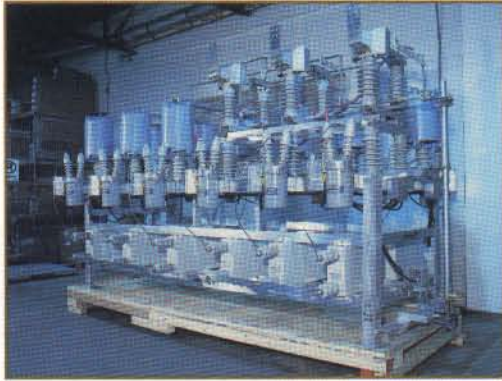
- Power factor correction for harmonic-rich environments.
- Harmonic duty capable capacitors provide power factor correction.
- Iron core reactors create a series resonant circuit tuned to a frequency below the lowest harmonic (normally the fifth).
- Acts as a de-tuned filter which removes up to 60% of the lower order harmonic currents from the system.
- CSA approved.
- Fixed or Automatic Switched configurations.
- NEMA 1 (indoor), NEMA 3R (outdoor), or dustproof enclosures.
- Available ratings: 240, 480, and 600 volt.
- Reactive power as per your request.
- Options: - Main Breaker.
- Fuse disconnect.
- Blown Fuse indicator.



Low Voltage Harmonic Filters and Power Quality System

- Eliminate harmonic distortion while improving power factor.
- Harmonic duty capable capacitors provide power factor correction.
- Iron core reactors create a very low impedance series resonant circuit at the harmonic frequency (5, 7, 11, or 13 Th).
- Custom designed for your specific application.
- CSA approved.
- Fixed or Automatic Switched configurations.
- NEMA 1 (indoor), NEMA 3R (outdoor), or dustproof enclosures.
- Available ratings: 240, 480, and 600 volt.
- Reactive power (kVAR) as per your requested performance specification.
- Options: - Main Breaker.
- Fuse disconnect.
- Blown Fuse indicator.

HIGH VOLTAGE CAPACITORS



Open Rack Capacitor Banks

- Available Ratings:
2400, 25,000 volts, outdoor open type.
- Available in automatic switched configuration.

High Voltage Capacitor Banks

- Shunt capacitor banks are a flexible, comprehensive solution for high voltage compensation.
- Open or enclosed models available.
- Available in fixed configurations.
- Available Ratings:
7200 – 69,000 volts, outdoor open type.

Harmonic Filter Capacitor Banks

- Economical solution for reducing and compensating for the harmonic currents caused by non-linear loads such as thyristor drives.
- Individually designed to meet your specific requirements.
- Available Ratings:
7200 – 69,000 volts, outdoor open type.



Enclosed Capacitor Banks

- Available Ratings:
2400 – 25,000 volts, NEMA 1, 3R, or 4X enclosures.
- Available in fixed or automatic switched configurations.



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www.gentec.ca

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