



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



DSHI Series

DSHI Type Units

- Available Ratings:

240 volt	5-50 kVAR
480 volt	2-100 kVAR
600 volt	3-100 kVAR
660 volt	4-120 kVAR

(750 volt design)
Up to 900 volt on request.

Low Voltage Capacitors

- Replaces your old Westinghouse capacitor.
- **Durable:** dry, self-healing, metallized polypropylene film for long life.
- **Reliable:** internal fuses eliminate dielectric short circuits.
- **New Cool Design:** exclusive heat transfer package.
- **Environmentally friendly:** dry film eliminates risk of liquid spill.
- Available as individual DSHI Units or in DSHM Fixed Banks.
- UL listed, CSA approved.
- Available in NEMA/TYPE 1, 12, or 3R enclosures.
- Construction standard: CSA, UL, IEC, VDE, ANSI/IEEE.
- Options: - External fuses to protect wiring.
- Blown Fuse indicator lights.



DSHM Series

DSHM Type Fixed Banks

- Available Ratings:

240 volt	60-300 kVAR
480 volt	120-600 kVAR
600 volt	120-600 kVAR
660 volt	145-730 kVAR

(750 volt design)



HVC Series

Medium Voltage 3Ø Capacitors

- Low loss, liquid impregnated, film dielectric.
- Environmentally friendly.
- Available as individual Unit or in Banks.
- CSA approved.
- Available in: - NEMA/TYPE 1, 12, or 3R enclosures.
- 1, 2, 3, 4 unit assemblies.
- Available Ratings:

2400 volt	50-1200 kVAR
4160 volt	50-1200 kVAR
4800 volt	50-1200 kVAR
3300 volt	60-1680 kVAR
6600 volt	60-1680 kVAR
6900 volt	60-1680 kVAR
- Construction standard: CSA, UL, IEC, VDE, ANSI/IEEE.
- Options: - External fuses to protect wiring.
- Blown fuse indicator light.
- Current monitoring.
- Damping reactor
- Automatic configuration.

CAPACITORS BANKS



C100 Series

FR 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.
- NEMA/TYPE 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.
- Disconnect switch.
- Other on request.



FT100 Series

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.
- Fixed or Automatic Switched configurations.
- NEMA/TYPE 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.



FT200 / FT300 Series

Low Voltage Reactive Filter and Active Filter

- 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 up to 25 Th).
- Custom designed for your specific application.
- Fixed or Automatic Switched configurations.
- NEMA/TYPE 1 (indoor), NEMA 3R (outdoor), or dustproof enclosures.
- Available ratings: 240, 480, and 600 volt.
- Reactive power (kVAR), current and voltage filtration 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.

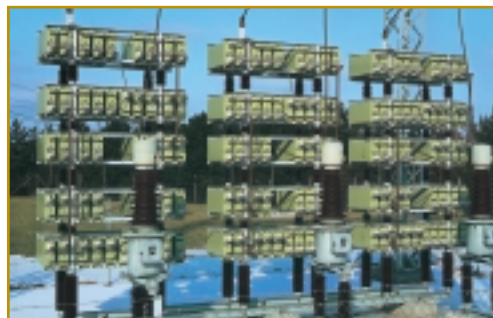
Harmonic Filter Capacitor Banks

- 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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