

# Power Factor Correction

UCWT, BCWT, and CWMC Series



## Energy-Saving Solutions

### Power Factor Correction Capacitors

*WEG power factor correction capacitors are designed and developed with self-healing metallized polypropylene film and security protection against internal over pressure.*

*These capacitors are divided into three product groups:*

**UCWT Series** – Three-phase capacitor units

**BCWT Series** – Three-phase enclosed capacitor banks

**CWMC Series** – Contactors for capacitor switching



### Standard Features

- Self-healing metallized polypropylene film
- Internal over-pressure security device (mechanical fuse) against explosion
- Maximum allowed fault current of 10kA
- Dielectric losses smaller than 0.2 W/kVAR
- Internal discharge resistors in three-phase units, modules and banks
- Custom PFCC banks available upon request

### Three-phase Capacitor Units – UCWT (D, E, F Series)

Reactive Power 0.45...20 kVAR  
Rated Voltage 208 and 240V

Reactive Power 0.5...50 kVAR  
Rated Voltage 480V

Accessories for UCWT Series  
Discharge Resistors



**D Series**



**E Series**



**F Series**



# Power Factor Correction

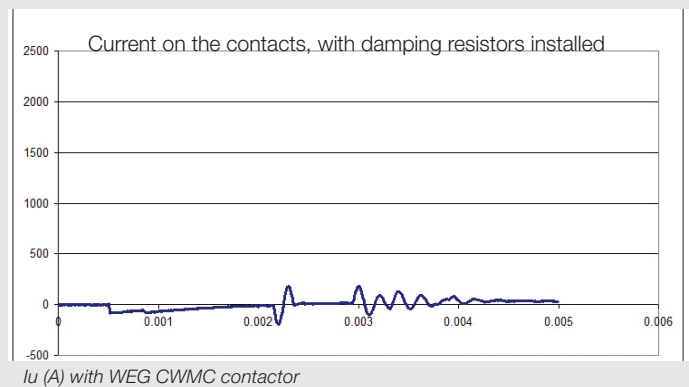
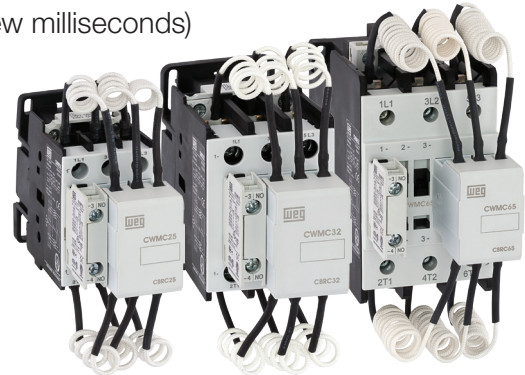
## Three-phase Enclosed Capacitor Banks – BCWT Series

- **Straight-forward design** - Three-phase WEG UCWT capacitors are assembled in a NEMA 4 enclosure, making it easy to install and wire.
- **Reliability** - High performance and low loss with self-healing polypropylene dielectric film
- **Flexibility** - Available with or without fuses at 240V and 480V
- Custom enclosed capacitor banks available upon request



## Contactors for Capacitor Switching – CWMC Series

- Available in 5 models in 3 frame sizes
- Embedded early make contact block (automatic drop-out after a few milliseconds)
- Low inrush currents and larger life span of the damping resistors
- Available in AC coils and multiple coil voltages
- Extended under-voltage coil release: 0.75 xUc
- UL508 and IEC 60947-1 compliance
- Front and side mounting auxiliary contact blocks
- 35mm DIN rail or screw mounting



WEG Electric Corp.  
6655 Sugarloaf Pkwy.  
Duluth, GA 30097  
Phone: 1-800-ASK-4WEG  
[www.weg.net](http://www.weg.net)