

WC1000 series Water cooling capacitors



gentec

The reactive power solution



Product Summary:

In certain applications the designer has to manage high circulating rms currents at high frequencies. When a large capacitance is needed in the circuit, the dissipation of heat generated becomes a concern. In such cases, Water Cooled Capacitors are ideal for the job.

Applications:

AC resonant tank circuits, and as DC-Filter or Blocking capacitors found in heat stations, high kW and high frequency power supplies, and high power motor drives.

Specifications:

Voltage Ratings: Typical voltage ranges from 220 to 2400 VAC and 400 to 1000 VDC. Special designs up to 3200 VAC and 1800 VDC.

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|------------------------|------------------|
| Output | Up to 6000 kVAr |
| Voltage | Up to 4000 V |
| Frequency | Up to 50 kHz. |
| Construction | Dead / Live Case |
| Cooling liquid | D.M. Water |
| Tape(s) numbers | As desired |



Capacitor Tolerance:

Standard capacitor tolerance is -0% / +15%. Tighter tolerance capacitors are available.

RMS Current:

200 to 2400 amperes RMS. Special designs up to 3000 Arms.

Frequency:

Typical frequencies range between DC to 100 kHz. For special requirements, up to 450 kHz for resonant AC circuit applications.

Dielectric Types:

Low loss polypropylene film dielectrics with non-inductive extended foil construction. High current DC filters provide high capacity with self-healing properties.

Case Styles:

Water Cooled capacitors are normally multi-terminal designs housed in welded non-ferrous aluminium cans. Custom terminal configurations, case sizes, and bracket locations are available. External pressure and temperature switches to prevent damage to circuit components are available.

Note: Contact factory for more details