LV Power Capacitors

CapRe Series
CapRe 5 ... 40
Lv Power Capacitors
CapRe Series

**CapRe Series Capacitors** are designed in accordance with international standards for PFC (Power Factor Correction) Systems at low voltage network.

CapRe Capacitors contain completely dry type dielectric materials and there is no liquid, gas or oil impregnation inside. It does not cause any environmental pollution and environmentally friendly.

In CapRe capacitors, volcanic-based non-combustible inorganic vermiculite is used as a filling material covered with a stainless-steel case. Vermiculite filling stops the formation of internal arc or unnoticed flame and prevents spreading.

CapRe capacitors have been developed to be used safely against high peak currents that occur during switching’s disruptive effects in networks where electrical parameters are not stable and healthy, and adverse environmental conditions.

Long life metallized film with high thermal resistance and high voltage insulation reacts very quickly and instantly evaporates and eliminates the malfunction, in case of any internal problem or puncture that may occur. The capacitor continues to operate safely.

**Application Areas**

Low Voltage Reactive Power Compensation and Harmonic Filtration at
• Power distribution
• Industrial plants
• Buildings

**Advantages**

• Dry type technology
• Long Life without maintenance
• Non-flammable design
• Touch-proof design
• Environmentally friendly
• Easy application, horizontal and vertical mounting possibilities
• Self-healing with high quality metallized pp film, long life design
• Design suitable for 2-pole, 3-pole and 6-pole connections and applications
• High temperature indicator

**Technical Specifications**

• Capacity Tolerance : 0 % / +10 %
• Loss Factor : < 0.3 Watt/kVAr
• Discharge Resistance : < 50 V /1 Min
• Maximum Current : 1.5*In Continuous
• Voltage Tolerance : 1.2*Un Continuous
• Body Type : Stainless Steel Sheet
• Protection Class : IP20
• Mounting : Vertical/Horizontal
• Temperature Range : -25°C / +55°C (D class according to IEC 60831)
• Standards : IEC 60831-1
  IEC 60831-2
  UL 810
<table>
<thead>
<tr>
<th>Product Code</th>
<th>Voltage</th>
<th>Net Power</th>
<th>Wiring</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>50 Hz</td>
<td>60 Hz</td>
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<tr>
<td>CapRe 41503</td>
<td>415 Volt</td>
<td>3.12 kVar</td>
<td>3.75 kVar</td>
<td>Δ</td>
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<td>25 kVar</td>
<td>30 kVar</td>
<td>Δ</td>
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<td>4.16 kVar</td>
<td>5 kVar</td>
<td>Δ</td>
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<td>24 kVar</td>
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**Over Temperature Indication**