

Power Factor Correction

Propivar NG capacitors

The MV capacitor you can trust





Opt for peace of mind with Propivar NG capacitors

Capacitors are used to **correct and improve the power factor** on medium voltage users to **optimize energy efficiency, increase power availability, and improve** benefit from the latest technologies to meet your needs: power factor correction drops. **Propivar NG** capacitors are designed to be integrated in metal enclosures.



Schneider Electric has applied its know-how in its choice of **high quality materials** and the implementation of **a proven production process with strict quality routine tests.**

Propivar NG capacitors provide peace of mind with **high reliability for heavy-duty networks over a long life span.**



Safety

- Certified IEC 60871-1, -2 and -4, and NEMA CP1 standards.
- Compliant with most national and international capacitor standards.
- All **Propivar NG** capacitors are type-tested to meet standard and safety requirements.

Reliability

Protection by an internal fuse (on single-phase and double-phase capacitors) for higher availability.

- **Propivar NG** is designed for a life span of 30 years.

Schneider Electric quality

The design and the industrial process are certified ISO9001 (quality).

Green

Environmentally safe:

- **Propivar NG** is impregnated with non-PCB fluid with no impact on environment (bio-degradable).
- **Propivar NG** complies with the ROHS directive, and has been registered with REACH.
- Schneider Electric **Propivar NG** capacitor plants are certified ISO14001 (environment).

Wide range to cover all applications

Propivar NG capacitors allow different combinations to cover many power ratings according to insulation voltage, frequency, and harmonic pollution levels on the network.



/high voltage networks. They supply reactive energy locally enabling
 rove business performance. With the **Propivar NG** capacitor range you
 rrection, harmonic filtering, reduction of losses, reduction of voltage
 closed banks or open racks.



① Bushings:

Porcelain

- > Insulated bushings compliant with IEC 60137.

② Capacitor element:

**Electrodes:
Folded aluminium foil**

- > Lower electrical stresses
- > Minimized partial discharges

**Dielectric:
Polypropylene film**

- > Low dielectric losses
- > Long lifetime.

③ Internal connections:

Large cross section

- > Low watt losses
- > Long lifetime.

④ Dielectric fluid:

Jarylec C101

- > Bio-degradable non-PCB fluid
- > High insulation strenght.

⑤ Container (Grey, RAL7038):

Stainless steel shot blasted surface and paint

- (one layer of two-component paint, plus one layer of hydro paint)
- > Fully TIG welded
 - > High protection against corrosion and harsh climatic conditions.



Propivar NG range



> 4 types:

- > Single-phase up to 900 kvar,
- > double-phase up to 800 kvar,
- > three-phase up to 600 kvar, and
- > Surge protection.

> 5 insulation classes:

7.2 kV, 12 kV, 17.5 kV, 24 kV, and 36 kV.

> 2 types of protection:

With or without internal fuses.

> Voltage:

For network from 3.3 kV to 33 kV (when used in star connection).

> Frequency:

50 Hz and 60 Hz.

> Temperature range:

-25°C to +50°C (-40°C to +55°C on request).

Make the most of your energySM

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