Alpivar² capacitors

■ Technical specifications

Discharge resistors

Fitted inside, these discharge the unit in accordance with current standards (discharge time, 3 minutes)

Loss factor

Alpivar ² capacitors have a loss factor of less than 0.1 x 10^{-3}
This value leads to a power consumption of less than 0.3 W per kVAr, including the discharge resistors.

Capacitance

Tolerance on the capacitance value: + 5%
Our manufacturing process, which avoids any inclusion of air in the coils, ensures excellent stability of the capacitance throughout the service life of the Alpivar ² capacitor.

Maximum permissible voltage: 1.18 Un

Maximum permissible current:

- Standard type: 1.3 In
- H type: 1.5 In

Insulation class

- Withstand at 50 Hz for 1 min: 6 kV
- 1.2/50 µs impulse withstand: 25 kV

Standards

Alpivar ² capacitors comply with:
- French standard: NF C 54 108 and 109
- European standard: EN 60831-1 and 2
- International standard: IEC 60831-1 and 2
- Canadian standard: CSA 22-2 No. 190

Temperature class

Alpivar ² capacitors are designed for a standard temperature class -25/+55 °C
- Maximum temperature: 55 °C
- Average over 24 hours: 45 °C
- Annual average: 35 °C

- Peak inrush current : 400 A
- Mean life expectancy : 10 years
- Switching Operations : 10000 per year
- Impregnation : Dry Resin

Alpivar² racks

■ Technical specifications

Loss factor

Standard and Heavy duty type Alpimatic racks have a loss factor of 2 W/kVAr,
while that of Heavy duty capacitor with series reactor type racks is 6 W/kVAr

Standards

- International standard: IEC 60439-1
- European standard: EN 60439-2

Temperature class

- Operation: -10 to +45 °C (average over 24 hours: 40 °C)
- Storage: -30 to +60 °C