

CMFR3-066-120

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Code: R9CMFR.

Description

The capacitor banks must be equipped with detuned filters when there is a high level of harmonics.
In this case, CIRCUTOR recommends the use of automatic **CMFR** or **CMAR** capacitor banks, equipped with iron core REACTORS and synchronised capacitors, up to 7% of the insulation voltages of 7.2 kV.
For higher voltage levels, air core technology is used in these REACTOR

Application

The most common applications are:
Medium Voltage industrial networks

- Compensation of large motors. Usually 3 to 11 kV
- Compensation of HV / MV transformers
- Fixed or automatic compensation of the following installations: cement plants, pumping stations, pipelines, mining, paper industry.

Generation and distribution systems

- Receiving and distributing stations. Particularly indoor installations, where the use of space is vital
- Generation stations that need an automatic power factor regulation: small-scale hydraulic power plants, wind farms, etc

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Fixed or automatic capacitor banks in cabinet with detuned filter

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Specifications

Electrical characteristics

Frequency	50 / 60 Hz
Isolation level	7,2 ... 33 kV
Power	600 ... 7200 kvar
Voltage	7,2 ... 33 kV

Mechanical characteristics

Material	Panels and frames: Painted and treated steel

Environmental characteristics

Installation, location, position.	Indoor / Outdoor

CIRKAP-CMFR / CMAR
MV fixed or automatic batteries in enclosure with detuning filters

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