

AHPFC PANELS

CONTACTOR SWITCHED AUTOMATIC POWER
FACTOR CORRECTION & HARMONIC FILTER PANEL



More Power by
Saving Energy

It's all about saving your money!

Contactor Switched Automatic Harmonic Power Factor Correction (AHPFC) Panel is centralized reactive power compensation with harmonic mitigation. Automatic control is provided using automatic power factor control relays. The switching of individual steps is through contractors based on the load variation pattern, the minimum and maximum size of steps can be determined to maintain optimum power factor. This will help partly to mitigate the harmonics of the system.

FRAKO, Germany Make LT Power Capacitor, MPP Type

- BIS/UL/CSA Certified.
- Self-Healing, segmented film technology with overpressure disconnecter.
- Patented contact rings for solder free operations.
- Dry type & environmental friendly.



CLARANT Make Capacitor Duty Contactors

- Patented design with significant damping on inrush current
- Safe switching of capacitors with or without series reactors.



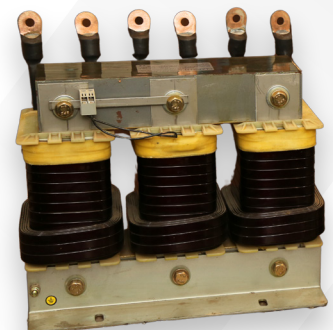
FRAKO, Germany Make APFC Controller

- Simple and easy commissioning.
- Patented control characteristics.
- Capacitor life monitoring and multiple alarm detection..



CLARIANT Make Detuned/Tuned/Tapped Tuned Harmonic Filters

- Specially designed Harmonic Filter.
- Reactors as per site conditions.
- Multiple Tapping's on Reactor (as per request).
- Low Loss Design.



Salient Features and Benefits

- 👉 P.F Correction by automatic switching of contactor based on KVAR requirement.
- 👉 Can be Tuned to 3rd, 5th, 7th, 9th, 11th & 13th order harmonics.
- 👉 Safe & smooth switching of capacitor stages with bounce free switching contacts & wear free contact material.
- 👉 With Tuned/Detuned/Tapped Tuned Harmonic Filter Reactors.
- 👉 Harmonic Mitigation as per IEEE 519:2014/CEA and other utility norms.

Technical Parameters

System Voltage	400 - 1000 V
Design Voltage	525 - 1750 V
Rated KVAR	50 - 6000 KVAR
Switching Device	Capacitor Duty Contactor
Applicable Standards	IEC 61921, IEC 61439, IEC 60831/IS13340

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