

SUDHAN Electromech Private Limited

About Company

SUDHAN Electromech Private Limited is capacitor manufacturing company managed by technocrats having more than three decades of experience in manufacturing and application engineering of power factor improvement capacitors.

Manufacturing plant is located at Saswad, District Pune in the state of Maharashtra, India. The factory is equipped with modern, latest, state-of-the-art machinery and full fledged testing laboratory.

Company also offers solutions in reactive power management and harmonic problems which helps to improve the power factor and power quality. High quality product, reliability and strong application engineering by experts in the subject are core strengths of SUDHAN Electromech Private Limited.



Product Range

Non – Self Healing Capacitors

[Ref. Standards: IS 13585: 1994 (Part I) / IEC 60931]

- **APP Capacitors – Single Layer Design** - 'SUDHAN' APP Capacitors are manufactured using Double Hazy Double Thick Polypropylene films as dielectric between two electrodes of thick soft annealed, 99.35% purity of Aluminium foil and have extended foil construction. Power leads are soldered to the extended portion to make a strong and positive electrical contact which can withstand heavy inrush and discharge current. Capacitors are impregnated with NPCB, bio-degradable impregnant and are hermetically sealed. Impregnating oil adds to dielectric strength and provides cooling effect.

Technical Specification:

Standard Voltage range	: 415 /440/480/525/600 VAC
Other Voltage Range	: Upto 1000 VAC
Frequency	: 50 Hz /60 Hz.
Impregnant	: NPCB
Insulation Level	: 3 KV
Dielectric Loss	: < 0.2 watt/KVAr
Capacitor Loss	: < 0.5 watt / KVAr
Connection	: 3 Ph, Delta
Life Expectancy	: 1, 50,000 Hrs.
Maximum Permissible Over Voltage	: 115% of Vn
Maximum Permissible Over Current	: 130 % of In

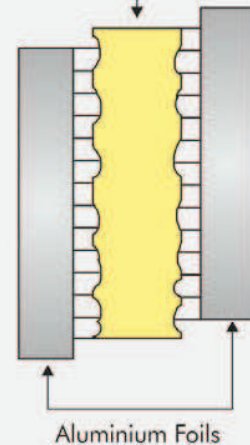
- **APP Capacitors – Double Layer Design** - 'SUDHAN' APP Double Layer Capacitors are manufactured using two layers of Polypropylene films as dielectric between two electrodes of thick soft annealed, 99.35% purity of Aluminium foil and have extended foil construction. Power leads are soldered to the extended portion to make a strong and positive electrical contact which can withstand heavy inrush and discharge current. Capacitors are impregnated with NPCB, bio-degradable impregnant and are hermetically sealed. Three layers of impregnating oil adds to dielectric strength, increase protection against failure and provides cooling effect.

Technical Specification:

Standard Voltage range	: 415 /440/480/525/600 VAC
Other Voltage Range	: Upto 1000 VAC
Frequency	: 50 Hz /60 Hz.
Impregnant	: NPCB
Insulation Level	: 3 KV
Dielectric Loss	: < 0.2 watt/KVAr
Capacitor Loss	: < 0.5 watt / KVAr
Connection	: 3 Ph, Delta
Life Expectancy	: 2,00,000 Hrs.
Maximum Permissible Over Voltage	: 130% of Vn
Maximum Permissible Over Current	: 130 % of In

- Upto 25 KVAR single unit & above 25KVAR banking will be provided.
- Special Design for Harmonic Applications are available.

Double thick double Hazy PP film



Hazy Polypropylene Films

