

Medium & High Voltage Power Capacitors



Advantages

- World Class Raw Materials
- Mfgd in State of art infrastructure
- Low Loss
- Highly Reliable
- Long Life Performance
- Environmental Friendly

For Power Factor improvement & Harmonic Filter Capacitors



An ISO 9001 : 2008 Certified Company



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General Information

Magnewin make capacitors are manufactured to comply IEC 60871 and BIS 13925 standards using latest technology, materials and state of art plant and machinery.

Experienced and skilled workmanship enable's to manufacture highly reliable and long life performance capacitors in line with International standards.

Applications

- Automatic Power Factor Correction (PFC).
- Fixed Power Factor Corrections. (Individual)
- Group fixed Power factor correction (several equipment connected in a group)
- Capacitor banks of tuned and detuned.
- Harmonic Filter applications (e.g. UPS, VFD, Furnaces and converters, etc)

Features

- Latest technology
- Non-PCB
- Maintenance - free
- Easy disposal
- Internal / External fuse & Internal discharge Resistor.
- Long useful life
- Environmentally friendly.

Rated Voltage Capacitor	1000 volts up to 20,000 volts .		
Rated kVAR	Up to 800 Kvar.		
System Voltage	For the power system voltage 145KV application		
Frequency	50 / 60 Hz		
Standards	IEC 60871 & BIS 13925		
Max. Over Voltage (V)	1.1UN (12 hours), 1.15UN (30 mins), 1.2UN (5 mins), 1.3UN (1 min)		
Over Current (A)	1, 3 * IN		
Capacitance tolerance (uF)	-5 / +10%		
Test Voltage	4, 3 * UN DC, 10 s		
AC Test Voltage	According to relevant IEC standard for 10 s terminals / case: only for 2 bushing type		
Insulation Levels (KV) BIL	10/40 kV, 20/60 kV, 28/75 kV, 38/95 kV, 50/125 kV		
Dielectric & Capacitor Losses	0.05 W / kvar & 0.15 W / kvar max (with discharge resistors & Internal Element Fuse)		
Life expectancy	20 years min.		
Installation	Indoor and outdoor		
	-40 / D		
Ambient temperature category	Symbol	Maximum	Highest over any period of
			24 ahours
	D	50°C	1 Year
			D
			30°C
Cooling	Oil Natural.		
Humidity	95 % max.		
Max. attitude	1000 mtrs above sea level		
Mounting Position	Any position		
Mounting	Side brackets		
Safety features	Internal Element fuse for each element.		
Case	Mild Steel / SS409L / or SS304 grade		
Dielectric	Double hazy Polypropylene ?Im (All ?Im)		
Impregnation	Environmentally friendly, non-toxic (non-PCB).. Jarylec C-101 D		
Terminals	Wet Process Porcelain bushings, welded		
Discharge Resistors	Internally ?tted. - 75 V, 5 min or 50V, 5min		



Product Range

- Low Voltage Shunt capacitors
- Medium Voltage Shunt capacitors in Internal / External fuse
- Medium & High Voltage Surge Capacitors
- Medium / High Frequency Water Cooled Capacitors
- Energy storage Capacitors
- Pulse Discharge capacitors
- Low Inductance Capacitors
- Voltage Dividers up to 1200 KV.
- Any Special capacitor in accordance to client specs

Engineering Services

- Harmonics Measurement, Analysis and mitigation & Power Quality
- Turnkey projects / consultancy in Reactive Power Compensation engineering



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