



FALCON[®]

CAPACITOR



SCAN TO CHAT WITH
COMPANY EXECUTIVE



About Us



Navneet Electronics (India) is well established Capacitor Manufacturing Company SINCE 1994 located at South Side of G.T. Road Industrial Area, Ghaziabad (U.P.) in National Capital Region approx. 12 KMs. from New Delhi. Here we are providing a huge range of Capacitors.

We are fully equipped with Advance Technology.

- Automatic Capacitor Winding Machine
- Automatic Capacitor Element testing Machine
- Automatic Soldering Machine
- Final Capacitor testing Machine
- Zinc Spray unit with Dust collector
- Wire cutting
- Automatic Resin dispensing Machine
- Laser Printing Machine

With the help of our fully Automatic Plant our all products are sturdy, reliable & long lasting with innovation Quality & value for money. All Plant & Machinery are purchased from reputed suppliers within India & Abroad. Our Company Production capacity is growing fastly from 1 Million to 30 Million Pieces per Year in a very short period.

We have fully Equipped Testing Laboratory with Latest Instruments for each & every testing parameters for our ISI Mark Fan & Motor Capacitors. Our Company is an ISO 9001:2015 certified company

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AWARD'S & CERTIFICATIONS



Our Company have a well trained & qualified technical team. They strive to meet company goals & customer ratification. The management of our company provides a transparent where every employee is encouraged to provide best products & services. The quality management systems at our company certified since 2004 in accordance with ISO 9001-2015 Quality Management of the organization is based upon quality procedures as laid out in accordance to Company quality manual, every Raw Material inspection with acceptable levels of quality. Only the acceptable material enters the stores after a systematics incoming inspection in our Company every capacitor is subjected to all requirements with a dedicated 100% Routine tests.



QUALITY

We are committed to providing high-quality of products. We meet the mutually agreed-to requirements the first time and strive for continuous improvement of our work processes.

PASSION

We show pride, energy and determination in all that we do. We are committed to creating exceptional experiences for our customers. Delight our consumers and serve our customers through the high quality of our products. Promote and implement creative and innovative ideas and solutions.

INTEGRITY

Demonstrate a commitment to integrity and ethics. We uphold our reputation for integrity in the marketplace and provide an ethical work environment for all of our employees. We will do the right thing each time we face a tough decision.

INNOVATION

We're creative, and we love solving problems in new ways. With a genuinely talented group of people, great products, and clients with complex and unique challenges.

SUSTAINABILITY

In all that we do, we are conscientious of the impact that our work has on the environment. We help our customers do the same by providing clean, efficient, healthy, and effective solutions on all of our products. In all that we do, we are conscientious of the impact that our work has on the environment.

DIVERSITY & TEAM WORK

We are a supportive global team focused on inclusive, transparent and collaborative communication. Our commitment to continuous improvement ensures long- term sustainability.

OUR DELIVERY

We are committed to delivering what we promise, and to only promise what we can deliver.



OUR PRODUCT RANGE

- Fan Capacitor (IS : 1709)
- Motor Run Capacitor (IS : 2993)
- Fluorescent & Discharged lamp Capacitor (IS : 1569)
- Power (Shunt) capacitor 3&6 Terminal (IS-13340)
- Capacitor for C.V.T & U.P.S.
- Electrolytic Motor Start Capacitor 20-40mfd. to 400-500mfd.
- MPP Motor Start Capacitor
- Dual Capacitor (For Air-Conditioner, Washing Machine)
- M.S. Box Capacitor (For Agriculture Sector)

We are Company Committed to the manufacture of quality Zinc alloy, tri-layer metallized polypropylene Reinforced (Heavy Edge) film capacitor, Electrolytic capacitor for AC application,

The Manufacturing unit was established SINCE 1994 with the main objective of producing Performance oriented Quality Products with timely deliveries and we have succeeded in our efforts.

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WINDING

Winding / Elements are produced in Air Conditioned, dust free humidity controlled winding room. These capacitors are manufactured out of trilayer Metallised polypropylene Film with heavy Reinforced Edges; to provide excellent bonding between the electrode and spray. Heavy edge has high current carrying capacity and with stands electromechanical stresses caused by switching surges better

SELF HEALING

When a breakdown occurs at a weak point in the dielectric, an arc is struck between two adjacent metal coating. The metal coating in the immediate vicinity of the puncture evaporates very quickly and, in doing so, extends the length of the arc. Both the impregnating agent and a tiny part of the dielectric also decompose in this arc, and a zone of high gas-pressure is formed, which forces the metal vapor away from the surface of the coating thus preventing condensation in the immediate vicinity of the puncture.

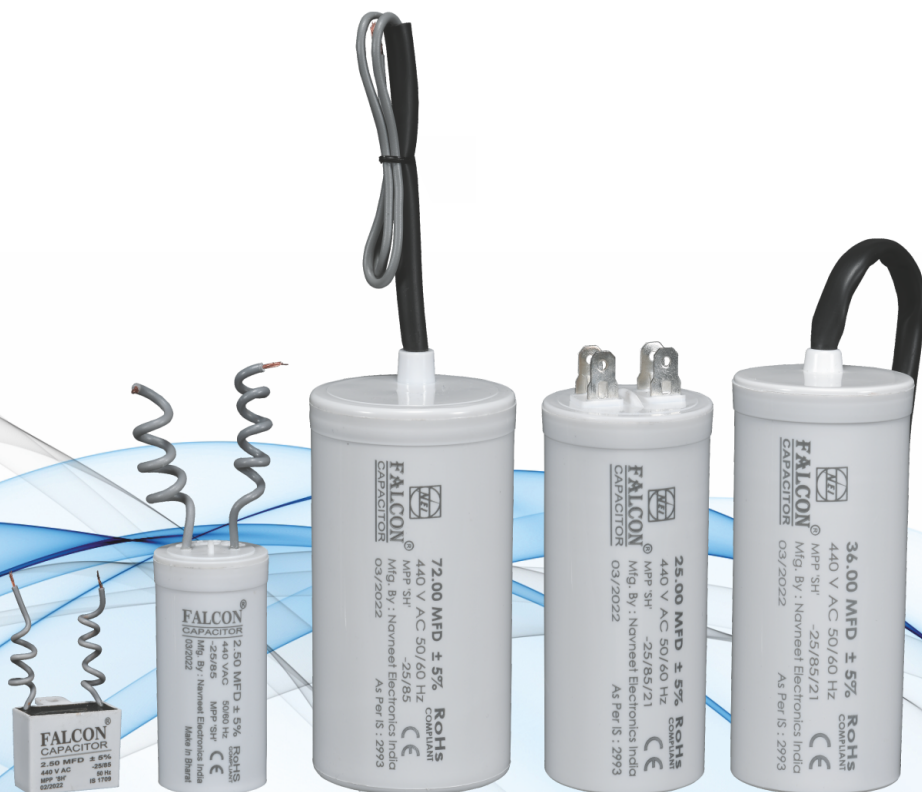
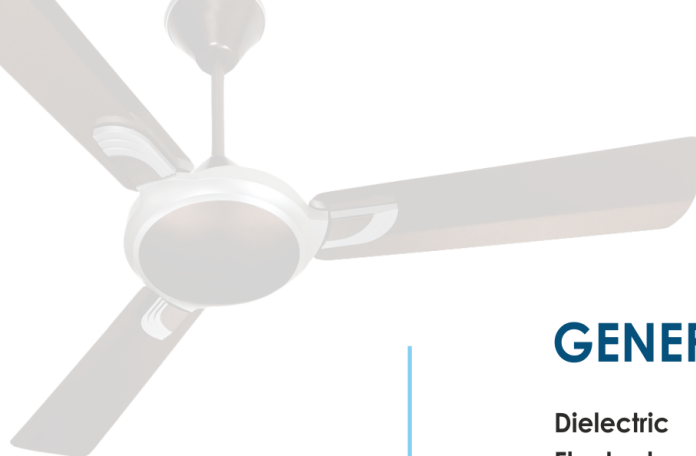
This rise in pressure and the rapid increase in the length of the arc cause fast de-ionization at the point of puncture. ensuring that the short-circuit current is generally interrupted within 5-10 microseconds irrespective of the amount of energy which is available. Apart from a small puncture no other damage occurs to the dielectric whatsoever, And owing to the metal-free zones which form in the immediate vicinity of the puncture. the insulation level of the dielectric of the capacitor is instantly restored to its full value. The capacitor then remains fully serviceable after one or even more such 'self healings'

TESTING LABORATORY

Testing facilities for conducting all routine test as per relevant BIS specification are available. We at FALCON capacitor has installed a fully automatic testing system / equipments to test capacitors up to 880 VAC between terminals, capacitance measurement and Tan-Delta all these tests are carried through automatic Instruments, there by eliminating human error and achieving '0' defect product in addition, the following type tests are carried out at our works. Tests for capacitance measurement, sealing test, voltage test, visual examination, endurance test Etc.



FAN & MOTOR RUN CAPACITOR



GENERAL TECHNICAL DATA

Dielectric	:	Polypropylene
Electrode	:	Zinc Alloy
Winding	:	Non inductive
Ref. Standard	:	ICE/ISS
Fan Motor IS 1709		
Motor Run IS 2993		

ELECTRICAL CHARACTERISTICS

Capacitance Range	:	0.68 MFD to 108 MFD
Capacitance Tolerance	:	±5%
Rated Voltage	:	250V AC, 440V AC
Dissipation Factor	:	0.001 Max typical value 0.0005 at 1 Khz
Test Voltage	:	2x rated voltage
Storage Temp	:	-25°C to +85°C

AC Fan & Motor Run Capacitors are manufactured in there most sophisticated plant having stringent quality control standard's to serve its users with the most cost effective and highest quality capacitor. These capacitors are suitable for FHP Motor, Compressors of Air-Conditioners, Deep - Freezers, Vacuum pumps etc.

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AC ELECTROLYTIC MOTOR START CAPACITOR

TECHNICAL SPECIFICATION :

Capacitance Range	:	20 to 500 MFD.
Temperature Range	:	-30 C/+70 C
Rated Voltage Range	:	230V
Surge Voltage Range	:	275V
Power Factor	:	8% Max at 50 Cycle/Sec. and Rated voltage
Duty Cycle	:	20 Start per hour Max Each start not more than 3 seconds
Insulation Voltage	:	with stand minimum 2000V/3 Min between terminal-to-Case
Shelf Life	:	One Year



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DUAL CAPACITOR

FEATURES

This capacitor takes high vacuum multilayer metalized film as dielectric, coiled by high speed Winding Machines and use Impregnation of castor oil or Jelly for refining at a high temperature vacuum processing make it high performance Capacitor, increase stability and security, & anti explosion

USAGE

This product is Suitable for home appliances like

- Air - Conditioner
- Freezers
- Washing Machine

TECHNICAL SPECIFICATIONS

Temperature Range	-40/85/21 = Minimum permissible temp.: 40 °C, Maximum permissible temp.: +85 °C.
Tolerance	± 5
Dissipation factor	Tan <0.002
Rated Frequency	50/60 Hz
Rated Voltage	440V
Capacitance	1.5/10 uF ~ 15/80 uF
Case Material	Aluminium

High Insulation Resistance
Fault Current : 10000 AFC
Self Healing

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POWER SHUNT CAPACITOR



L.T. (Shunt) Capacitor are used to improve the Power factor of an electrical system resulting in more efficient utilisation of electrical energy. In sort power capacitor is essentially a power saver

Motor HP	Capacitor Rating in KVAR When Motor Speed is (RPM)						Motor HP	Capacitor Rating in KVAR When Motor Speed is (RPM)					
	3000	500	1000	750	600	500		300	1500	1000	750	600	500
2.5	1	1	1.5	2	2.5	2.5	40	9	10	13	15	19	21
5	2	2	2.5	3.5	4	4	42.5	9.5	11	14	16	20	22
7.5	2.5	3	3.5	4.5	5	5.5	45	10	11.5	14.5	16.5	21	23
10	3	4	4.5	5.5	6	6.5	47.5	10.5	12	15	17	22	24
12.5	3.5	4.5	5	6.5	7.5	8	50	11	12.5	16	18	23	25
15	4	5	6	7.5	8.5	9	55	12	13.5	17	19	24	26
17.5	4.5	5.5	6.5	8	10	10.5	60	13	14.5	18	20	26	28
20	5	6	7	9	11	12	65	14	15.5	19	21	27	29
22.5	5.5	6.5	8	10	12	13	70	15	16.5	20	22	28	31
25	6	7	9	10.5	13	14.5	75	16	17	21	23	29	32
27.5	6.5	7.5	9.5	11.5	14	16	80	17	19	22	24	30	34
30	7	8	10	12	15	17	85	18	20	23	25	31	35
32.5	7.5	8.5	11	13	16	18	90	19	21	24	26	32	37
35	8	9	11.5	13.5	17	19	95	20	22	25	27	33	38
37.5	8.5	9.5	12	14	18	20	100	21	23	26	28	34	40

TECHNICAL SPECIFICATION :

Capacitor Type	:	Power Shunt
Conforming to	:	IS 13340 -1993
Rated Out Put	:	1KVAR to 25KVAR+Banking
Rated Voltage	:	415, 440VAC
Rated Frequency	:	50Hz/60Hz
Temperature	:	-25 C /+55 C
Connection	:	3Phase/3T Delta
Insulation Level	:	> 100mgba 2.2 K.V.
Loss Angel at R.V.	:	<0.25%
Dielectric	:	MPP(SH)
Discharge Device	:	3 Fitted < 50V with in 60 sec.
Tolerance On Capacitance	:	-5%to+10%
Installation	:	Indoor
humidity	:	Max 95%

WELDING TRANSFORMERS :

KVA RATING OF TRANSFORMER	REQUIRED CAPACITOR RATING IN KVAR
9	4
12	6
18	8
24	12
30	15
36	18
57	25
95	45
128	50
160	75

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FLUORESCENT & DISCHARGED LAMP CAPACITOR (IS : 1569)



GENERAL TECHNICAL DATA

Dielectric	:	Polypropylene
Electrode	:	Zinc Alloy
Winding	:	Non inductive
Ref. Standard	:	ICE/ISS

Fluorescent & Discharge Lamp Capacitor IS 1569

ELECTRICAL CHARACTERISTICS

Capacitance Range	:	3.00 MFD to 42 MFD
Capacitance Tolerance	:	±10%
Rated Voltage	:	250V AC
Dissipation Factor	:	0.001 Max typical value 0.0005 at 1 KHz
Test Voltage	:	2x rated voltage
Storage Temp	:	-10°C / +85°C

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