

LOW VOLTAGE BOX TYPE METALLIZED FILM CAPACITORS – FM SERIES



Self-healing capacitors with low losses metallized polypropylene dielectric without liquid impregnate, Mounted in rectangular sheet steel plate enclosure having discharge resistors connected to the terminals, which are protected by the cover.

These capacitors are especially suitable for the individual compensation of inductive loads and the construction of capacitor banks.

Applications

- Power Factor Improvement
- Harmonic Filter Banks
- Medium & Large Rating APFC Panels

Advantages

- **European Technology** – Very High Reliability & Long Life Expectancy > 1,60,000 Hours
- **Dry Type, Inert Filler** – Explosion Proof - Flame Retardant
- **More Surface Area** - Better Cooling
- **Low Loss < 0.5 W/ kVAR** – Faster Payback Period
- **High Over Loading Capacity** – Suitable for APFC Panels & Harmonic Filter Banks
- **Sturdy Terminals** – Higher Switching Current Withstand-
- **Modular Capacitor Elements** – Easy & Low Replacement Cost

Technical Data

Power Supply Voltage	230 V - 900 V
Frequency	50 Hz - 60 Hz
Function	Power Factor improvement and harmonic control

The Ideal Customer

- All industries having harmonic generation
- Company with variable loads

ABPS SOLUTION PRIVATE LIMITED

Gat No. 258/1, Plot No. 8/2, Village Khalumbre, Chakan, Pune - 410501. Maharashtra, India.
Tel : +91-8485006294, 8379096294 | e: marketing@abpowerindia.com , ablifasa@gmail.com

Branches / Service Centres : | Chennai | Coimbatore | Delhi | Kolkata | Ludhiana | Pune | Raipur | Bahrain | Saudi Arabia | Bangladesh

Rating and Specification

Output kVAR	5 Kvar to 100 Kvar
Output Voltage	230 V to 900 V
Type of Capacitors	Heavy Duty , MPP , Dry type Capacitors
Technology	Latest film - Metalized Technology.
Permissible Over Voltage	1.1 x Rated Voltage
Permissible Over Current	2.0 x Rated Current
Permissible Transient over current	450 x Rated Current
Capacitance Tolerance	- 5% +10%
Test Voltage (Terminal to Terminal)	2.15 x Rated Voltage for 10Sec
Test Voltage (Terminal to Case)	3.0 KV AC for 1 Min.
Losses (Die electric)	< 0.2 W / kVAR, Total Loss – < 0.4 W/kVAR
Ambient Temp Cat.	- 40 ° to + 50 °

Safety Features	
Three layers of Protection	
1 Self Healing with PSD ,	
2 Specially Internal Fuse Protection for Each Element (Patent),	
3 Flame Retardant and Fire Proof Non Inert Filler	

Di electric	Poly Propylene
Mounting Position	Vertical with terminal upwards
Type of Container	Rectangular Steel metal with Rust Resistance Paint
Electrode	Al- Zn Alloy (Metalized)
Discharge Device	Fitted
Life Expectancy	1,60,000 Hours
Applicable Std	IEC 60831,EN 60831 , UL 810

Sr. No.	Capacitor Rating	L mm	W mm	H mm
1	5 KVAR	280	120	180
2	7.5 KVAR	280	120	180
3	10 KVAR	280	120	180
4	12.5 KVAR	280	120	180
5	15 KVAR	280	120	180
6	20 KVAR	280	120	280
7	25 KVAR	280	120	280
8	50 KVAR	280	120	450
9	75 KVAR	280	120	600

Note:

- Other KVAR & Voltage rating available on request