



Capacitors For Power Factor Correction (PF) Single Phase Metallized Polypropylene Capacitors for Fluorescent, Mercury, HPS & MH Lighting Installations



Working voltage of parallel capacitors – 250V AC
Working voltage of series capacitors – 400 to 450V AC
Designed to improve the power factor in fluorescent, mercury,
HPS & MH lighting installations.
Self healing M.P.P. capacitors are available from 1µF to 70µF.

Construction

Housing: Round, self extinguishing plastic (polypropylene or polycarbonate) containers. Hermetically sealed with a plastic cover on which terminals or insulated leads are fixed. For insulated leads, capacitor is equipped with an additional top cover ultrasonically welded.

Fixing:

- M8 stud.
- Clip in.

Terminations:

- Terminals for soldering or cable lugs.
- Single (A) or dual (B) blade tags 1/4" wide, 12.5mm long.
- Flexible insulated leads (C).
- Rigid leads (D).
Up to 18µF - 150mm length
Over 18µF - 200mm length
(other lengths available)
- Double insulated flexible wire (E).
- Push wire connector.

Discharge resistor:

Internal discharge resistor can be supplied upon request.

Selection table:

Type	Type P 0	Type S 10	Type 11
Operation voltages	230V 250V	400V	450V
DIMENSIONS			
Capacitance in µF	ø D x H (mm)		
1	30x70	28x57	
1.5	30x70	28x57	
2	30x70	28x57	
2.5	30x70	28x57	
3	30x70	28x57	
4	30x70	32x57	
5	30x70	35x57	
6	30x70	35x57	
7	30x70	35x72	
8	30x70	35x72	
9	30x70	35x72	
10	30x70	35x72	
12	30x70	40x72	
14	30x70	40x72	
15	35x72	45x72	
16	35x72	45x72	
18	35x72	45x72	
20	35x72	45x95	
25	45x72	45x95	
30	40x72	45x121	
35	40x95	45x121	
40	45x95	50x121	
45	45x95	50x121	
50	45x95	55x121	

Technical features

Operating temperature range: (-25)°C to 85°C
Capacitance tolerance: ±10% (other tolerances available)

Operating voltages:

Parallel capacitors - Un-250V AC

Series capacitors - Un-400V; Un-450V AC

Frequency: 50-60Hz

AC test voltage: 2.15Un - 2 sec.

Loss angle: $\text{tg}\Delta \leq 10 \times 10^{-4}$ at 25°C

$I_{\text{max}} = 1.3 I_n$

$U_{\text{max}} = 1.1 U_n$

Approvals: KEMA, SABS

All products are marked with CE and are accompanied by a declaration of conformity.

