



**WVS-TECHNOLOGY**

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**Foil Capacitors**

**Filter Application**

**Technical Data**

The combination of dielectrics paper and polypropylene or polyester yields in self-healing polarized filter and discharge capacitors of very high energy density and reliability.

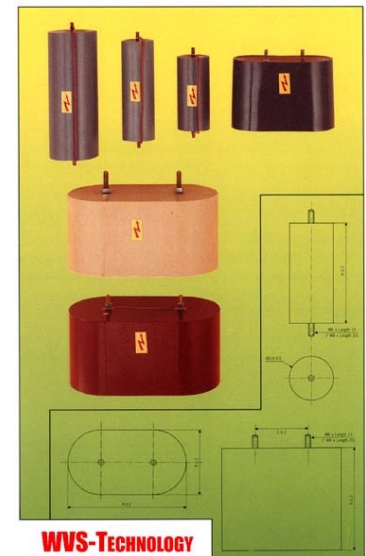
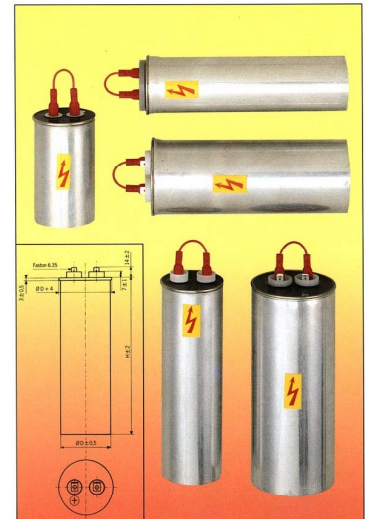
These patented capacitors are specially suited for a variety of filter, discharge and RF applications with high voltage demand.

**Applications:**

- Filtering of low and medium ripple dc
- Medium Current commutation
- Energy Storage
- RF blocking and filtering capacitors
- Medium and High energy pulse generation

**Design and Performance Data:**

- Rated Voltage Classes: 2-5 / 6-20 / 25-60/ 60kV up
- Capacitance tolerance: ±10% (special ±5%)
- Admissible current classes:
- Filter Application 50Hz: 140mA / 230mA / 360mA / 500mA small  
1.7A / 2.2A / 2.3A / 3.3A / 4A large Filters
- Frequency: 50Hz to 30kHz (more please define)
- Life: 10.000h at 10°C to 35°C
- Operating Temperature: 0°C to 45°C (others on request)
- Storage Temperature: -10°C to +50°C
- Case shapes: rectangular / cylindric / oval
- Case Materials: Aluminum / P.V.C. / Polyurethane / Epoxy / Phenolic Resin Paper Laminate
- Connections: Metric or Inch Bolts, Leads or Faston Connectors axial or lateral
- Tolerances: cylindric ±0.2mm diameter length/height ±2mm  
other shapes: ±0.5mm, tighter on request
- Impregnation: Oil (PCB free)



**Part Number Designation:**

Example:	<u>30</u>	<u>F</u>	<u>M</u>	<u>10</u>	<u>4</u>	<u>P</u>
	30kV	F = Filtering Metallized Paper	M = + Polyester	10 x 10 <sup>4</sup> pF		P = rectang. E = oval No = cyl.
		H = Medium Discharge with metallized paper	P = + Polypropylene			

Example: Typ 30 F M 10 4 P = 10 x 10<sup>4</sup>pF / 30kV = 0.1µF / 30kV

