

# 顶盖防爆滤波电容器 FILTER CAPACITOR



- **执行标准:** 《UL810-2008》《IEC 61071-1:1991》《IEC 61071-2:1994》  
《GB/T 17702.1-1999》《GB/T 17702.2-1999》《GB/T 3667.1-2005》。
- **产品特点:** 产品为油式顶盖防爆结构。具有内部温升低，耐高频波电流，使用寿命长，自愈性优异，电容量稳定，内置防爆装置，使用安全可靠。
- **产品用途:** 适用于参数稳压电源的谐振滤波及不间断电源的输出滤波电路。

● **主要技术参数:**

额定电压: 250VAC—500VAC	放电性能: $\sqrt{2}U_n$ 下端开60s后剩余电压小于50V。
容量偏差: $\pm 5\%$ 、 $+10/-5\%$ 、 $\pm 10\%$	稳态过电流: 允许1.1 $U_n$ 下长期运行
损耗角正切值: $t_g \delta \leq 0.0025$ (100Hz)	稳态过电流: 允许1.3 $I_n$ 下长期运行
极间耐压: $2U_n/5s$	气候类别: 40/70/21 40/85/21
极壳耐压: 2000VAC or 2.4 $U_n+1200VAC$	预期寿命: 10000h
产品认证: UL、CUL、CQC	安全防护等级: 10000AFC、P2

**Standard:** 《UL810-2008》《IEC 61071-1:1991》《IEC 61071-2:1994》  
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**Feature:** High safety level, low temperature rise, high frequency current carrying, long life expectation  
Excellent self healing property, stable capacitance, Inner explosion-proof device.

**Application:** Mainly for resonance filter circuit for parameters stabilized voltage supply and the output filter circuit for UPS.

**Technical parameter:**

Rate voltage: 250VAC—500VAC	Capacitance tolerance: $\pm 5\%$ 、 $+10/-5\%$ 、 $\pm 10\%$
Dissipation factor: $t_g \delta \leq 0.0025$ (100Hz)	Climate classification: 40/70/21 40/85/21
Safety level: 10000AFC, P2	Approval: UL, CUL, VDE, TUV, CQC
Withstanding voltage between terminal to terminal: $2U_n/5s$	
Withstanding Voltage between terminal to case: 2000VAC or 2.4 $U_n+1200VAC$	
Overload voltage: Be allowable to operate under 1.1 $U_n$	
Overload current: Be allowable to operate under 1.3 $I_n$	
Discharging property: The remaining voltage is less than 50V after being switched off from $\sqrt{2} U_n$ voltage 60s.	