

Aerovox[®]

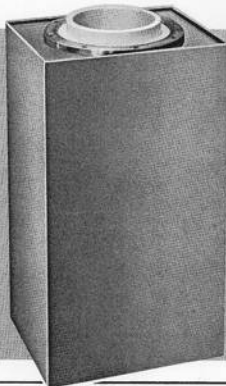
AN RTE COMPANY

INCORPORATED

HEAVY DUTY DISCHARGE CAPACITORS TYPE PX

740 Belleville Ave., New Bedford, MA 02741 Tel. (617) 994-9661 / TWX 710-344-6985

- HIGH ENERGY DENSITY
- HEAVY DUTY
- LONG LIFE EXPECTANCY



HEAVY DUTY ENERGY DISCHARGE CAPACITORS

Aerovox has been the leading supplier of heavy duty energy discharge capacitors for the past 35 years. During the early years of magnetic fusion experiments, Aerovox was the major supplier of the 1.85 mF - 60 kV capacitors for the major fusion research efforts.

The evolution of capacitor technology for high peak current - 250 kA designs began with a paper dielectric and arclor impregnant which had a life expectancy in the 10-20,000 shot range. The life expectancy was later improved to 50-100,000 discharges at 85% voltage reversal with the introduction of castor oil as the impregnant.

Aerovox continues to offer the lowest cost per joule for heavy duty applications where high voltage reversals - greater than 75-80% and high peak discharge currents - greater than 100-150 kA are required. These heavy-duty energy discharge capacitors can also be used in light duty applications. The life expectancy will be increased proportionally with reduction in the voltage reversal.

Aerovox can manufacture custom ratings to meet your specific application criteria.

TYPICAL PERFORMANCE CHARACTERISTICS

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|------------------|--------------------|
| Life Expectancy | 100,000 discharges |
| Voltage Reversal | 80-90% |
| Peak Current | 100 - 150 kA |
| Voltage Range | 5 kV to 125 kV |
| Energy Range | 1 kJ to 15 kJ |
| Low Inductance | 20 - 40 nH |