Ultravar™
381 Broadway
Ft. Edward, NY 12828

Engineering Specifications
Automatic Power Factor Correction System
AVJ - Accu-Var *Junior* Series

Regulatory Approvals:

UL 508, C-UL, C22.2 No. 14-M91, file E125703

Ratings:

240 V: up to 120 KVAR
480 V: up to 300 KVAR
600 V: up to 300 KVAR

Cabinet:

NEMA 1, 12 ga Cold Rolled Steel cabinet, stainless steel hinges, ANSI #70 (light gray) finish. Cabinet size; 33"W x 16.25"D x 90"H.

Capacitors:

- Ratings: 240 Volt(12.5 KVAR), 480 Volt (25 KVAR); 600 Volt (25 KVAR).
- Assembled using Industrial Grade Capacitor cells.

General Construction:

- Stage fuses:
  UL recognized, designed specifically for capacitor applications.
  Rated 600 VAC, 200KAIC.
  Bolts directly to fuse buss channel for easy replacement.
  Three phase fusing standard.
- Stage contactor:
  Three phase double break, block type rated for capacitor switching.
  Meets or exceeds NEMA, UL, CSA, and VDE standards.
- G.F.C.I.
  UL recognized GFCI to guard controller circuits against electric shock.
- Control Wiring.
  UL style 1015, 600V -40°C to +105°C. CSA type TEW. 18 AWG min.
- Inrush Coils:
  Designed to minimize inrush currents during capacitor switching and reduce switching transients on the system.
- Input Power Bus:
  Standard bracing for 50 KAIC. Material: Plated Copper
- Door Interlock:
  Safety feature, capacitors de-energize when door is opened.
- Control Transformer:
  Meets or exceeds NEMA, ANSI, UL, and CSA standards.
  Power rating 500 VA.
- Automatic Power Factor Controller: See separate specification page.

Optional Equipment:

- Blown fuse indicating lights: Illuminate after fuse operation.
- Molded Case Circuit Breaker
- Hand -Off-Auto stage switching.
- Current Transformers: Split core.
- Special Requirements: Consult Factory.