



Elevator Equipment Corporation  
*"Simplicity in Motion"*

# THE EECO HYDRAULIC CONTROL VALVE FAMILY



**UV-5AT**



**UV-4R**



**UV-5ATC**



**UV-5BT**



**UV-5BT  
Rear View**



**UV-5BTC**



**UV-7B**



**UV-7BC**

Elevator Equipment Corporation

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## Design Features

### Smooth Up Start

Allows the pump motor to reach full running speed before load is applied to the motor.

### Up Stop

Provides smooth up stop which is solenoid operated and adjustable.

### Up Transition

Provides unvarying transition through a wide pressure range.

### Check Valve

Locks the elevator on a column of oil while the car is stopped.

### Up Leveling

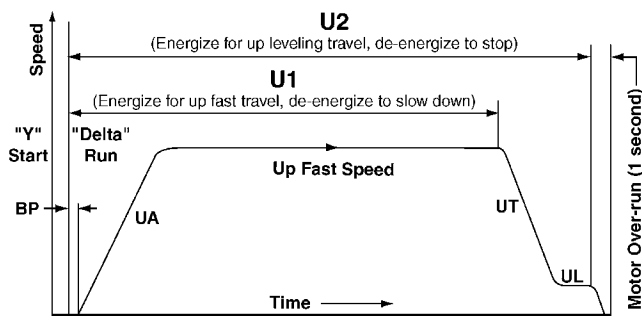
Maintains leveling speed regardless of change of system pressure, oil viscosity or pump output.

### Lowering Valve

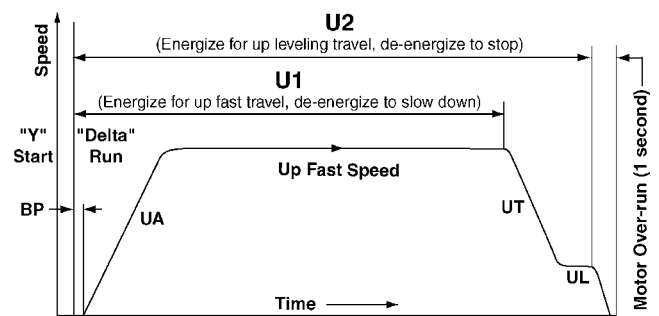
Provides unvarying transition through a wide pressure range.

## Performance Data

### Standard Valves



### Pressure Compensated Valves



## Sequence of Operation

#### Up Start:

- A) "ATL" (Across The Line) start: pump motor "ON". Energize both U2 and U1 solenoids to run up at fast speed
- B) "Y" start: Pump motor "ON" (reduced voltage). "Delta" run: Pump motor "ON" full voltage. Energize both U2 and U1 solenoids to run up at fast speed. De-energize U1 to slowdown to leveling speed. De-energize U2 to stop at floor.

**CAUTION:** Never energize U2 and U1 during "Y" start, only after "Delta" run!

#### Down Start:

- Energize D1 and D2 to lower car at fast speed.
- De-energize D1 to slowdown to leveling speed.
- De-energize D2 to stop at floor.

**Note 1:** For additional clarification on the sequence of operation, please refer to the Performance Chart above.

**Note 2:** Pump motor must be timed to run approximately 1 second after car has stopped.

