



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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CONTROL VALVE SPECIFICATIONS

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

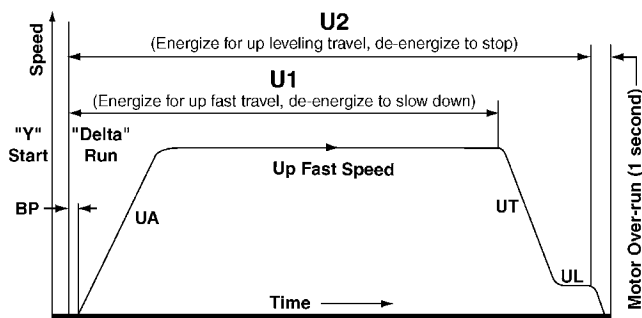
Maintains leveling speed regardless of change of system pressure, oil viscosity or pump output.

Lowering Valve

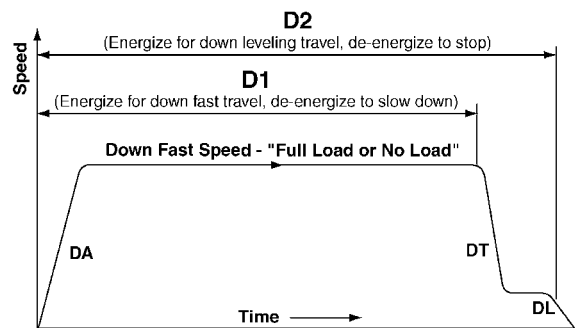
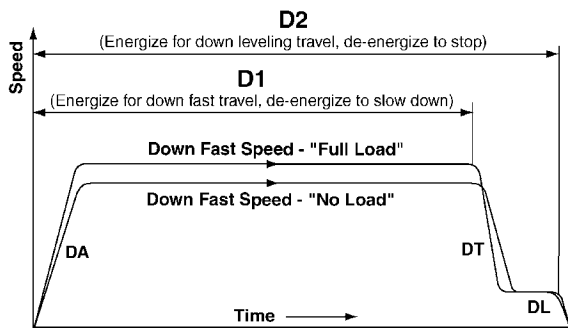
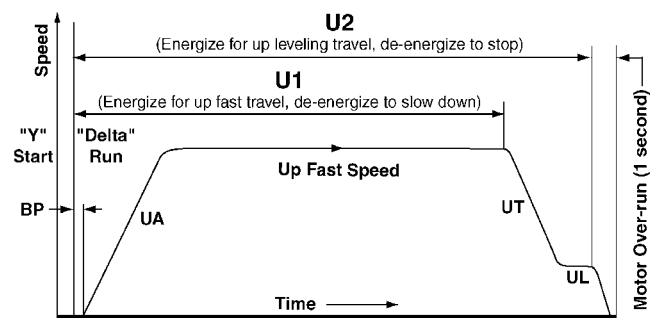
Provides unvarying transition through a wide pressure range.

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.

