**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.

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

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

**Lowering Valve**
Provides unvarying transition through a wide pressure range.

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**Performance Data**

**Standard Valves**

**Pressure Compensated Valves**

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**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.

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