

## **START / STOP CONTROLS**

WHEN THE PRESSURE IN THE AIR RECEIVER REACHES A DESIGNATED LOW LEVEL, THE PRESSURE SWITCH STARTS THE MOTOR. WHEN THE PRESSURE IN THE AIR RECEIVER REACHES A HIGH LEVEL, THE PRESSURE SWITCH STOPS THE MOTOR.

### **NOTE:**

AN ELECTRIC MOTOR SHOULD NOT BE SUBJECTED TO MORE THAN (15) STARTS PER HOUR. IF THE MOTOR IS SUBJECTED TO MORE THAN (15) STARTS PER HOUR THE MOTOR WILL OVER HEAT AND TRIP THE OVERLOAD.RUN UNIT CONTINUOUSLY TO PREVENT OVERLOAD AND EXTEND THE MOTOR LIFE.

## **CONSTANT CONTROL SPEED**

THE ELECTRIC MOTOR OR GAS ENGINE IS CONSTANTLY RUNNING AND THE PUMP ON THE COMPRESSOR IS CONSTANTLY PUMPING.WHEN THE PRESSURE IN THE AIR RECEIVER REACHES THE DESIGNATED HIGH LEVEL, A PILOT UNDERLOADER VALVE WILL CHANNEL THE AIR BEING COMPRESSED INTO THE ATMOSPHERE INSTEAD OF THE AIR RECEIVER. DURING THIS STEP, THE MOTOR OR ENGINE CONTINUES TO RUN (ENGINE WILL IDLE). WHEN THE DESIGNATED LOW PRESSURE IN THE AIR RECEIVER IS REACHED, THE PILOT UNDERLOADER VALVE WILL REDIRECT AIR BEING COMPRESSED TO THE AIR RECEIVER. (THE ENGINE SPEED WILL RESUME TO A HIGH RPM LEVEL).