

Magnetic Starter

The Magnetic Starter is the "thinking cap" for the motor of the air compressor. Magnetic starters are electromagnetically operated switches that provide a safe method for certain motors to be started under a large motor load. The overload relay inside the magnetic starters will prevent the supply voltage from energizing the motor if the starter detects a motor overload situation. Heaters (in series) are responsible for allowing current to reach the motor (and start it) or prevent the current from reaching the motor (preventing a motor failure). Magnetic starters will allow a motor (when properly sized to the compressor pump) to operate at a 100% duty cycle. A heavy-duty pressure switch can also be used (with some motors) to mimic the actions of a magnetic starter.

