

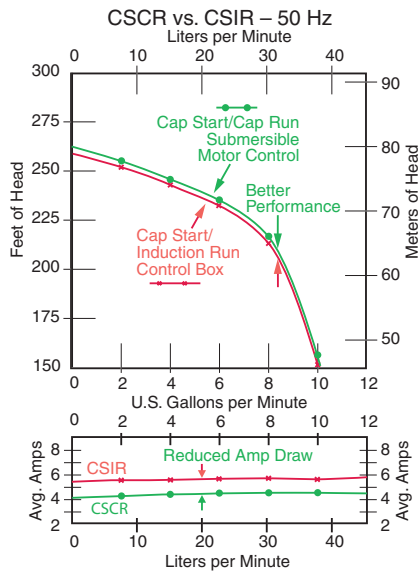
Cap Start Cap Run (CSCR) vs. Cap Start Induction Run (CSIR)

Why use a Cap Start, Cap Run Submersible Motor Control, instead of a Cap Start, Induction Run control box?

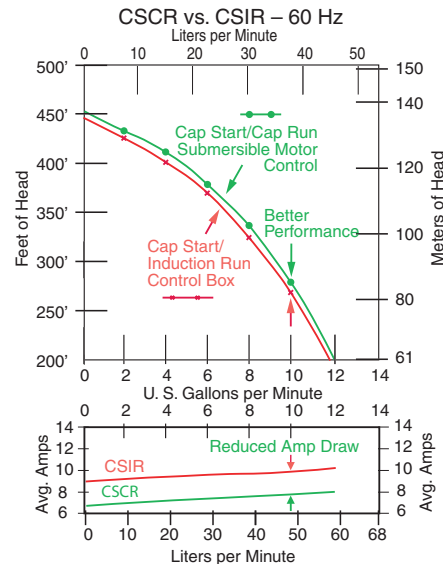
- More Pressure:** At any given flow rate, the CSCR Control delivers up to 7% higher pressure than the CSIR box. Why? Because the CSIR box uses only half the windings after starting (since the start windings cut out at speed), while the CSCR Control uses all the motor windings when it runs. Therefore, the CSCR Control delivers less slip and higher RPM, hence higher pressure.
- Less Cost:** All across the curve, the CSCR Control consistently runs at about 78% of the amp load of a CSIR box.
- Less Vibration and Noise:** Four impulses per revolution versus two smooths out operation and reduces the pump's noise level significantly.

A Note on Nomenclature:

A **Submersible Motor Control** is the box, including the terminal strip(s), capacitor(s), relay(s), etc, which controls the basic on/off functions for a 3-Wire, single phase, submersible motor; it is not a Variable Speed Drive.



Performance Comparison:
4" 3/4 HP, 10 GPM, 230/50/1 Phase Pump



Performance Comparison:
4" 1 HP, 10 GPM, 230/60/1 Phase Pump