What is SMART BRAIN TECHNOLOGY?

- **Smart Electrical System:** The system has a self-modulating, soft start fan control that is tied into a temperature modulating sensor. The fan speed (RPM) is regulated depending on the oil temperature by means of a sensor in the incoming return oil (vs. the on-off toggle switch offered by others). This allows the system to achieve and maintain a “Running Temperature” during all weather conditions without operator interaction (or potential error).

- **Polarity Protection:** The system has polarity protection in case the incoming positive and negative wires are reversed.

- **Supply Power Protection:** The system has both voltage and amperage protection. If the system sees more than 16½ VDC it shuts down until the voltage drops below 12VDC at which time it auto-resets. If it draws more than 25 amps it shuts down and then resets automatically.

- **Plug & Play Power Cable:** We supply a 20 ft. power cable and a Deutsch connector for a true “Plug & Play” system.
Ordering Information / Model Code

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- **Reservoir/Cooler Capacity – Usable USG:**
  - 08 – 8 Gallon
  - 15 – 15 Gallon

- **Rated System Flow:**
  - 40 - 40 GPM (w/ 8 GAL.)
  - 60 - 60 GPM (w/ 15 GAL.)

- **Relief Valve:**
  - Omit for no relief

- **HP Removal Rated @ 100°F ∆T:**
  - 18HP – 18 Horsepower (w/ 8 GAL.)
  - 28HP – 28 Horsepower (w/ 15 GAL.)

- **Fan Controls:**
  - FC – Smart Brain Fan Control
  - OC – No Fan Controls

- **Mounting Kit:**
  - NMK – No Mounting Kit
  - FMK – Frame Mounting Kit
  - SMK – Side Mounting Kit

- **Body Material:**
  - CS – Powder Coated Silver
  - 4SS – 304 Stainless Steel
  - 16SS – 316 Stainless Steel
  - AL – 5000 Series Aluminum

- **Internal Bypass:**
  - Omit – No bypass (Non Std.)
  - BP30 – 30 PSI Bypass Spring
  - BP60 – 60 PSI Bypass Spring

- **Fan Drive:**
  - 12VDC – 12 Volt DC
  - 24VDC – 24 Volt DC

What sets the RCC apart from the Competition?

- **Cooler Bypass:**
  The cooler has a standard internal 30-PSI bypass for cold weather start-up or large flow bursts during operation. An optional 60-PSI bypass is available and is field convertible.

- **40 GPM System Relief Valve:**
  The units can be supplied with a system pressure relief valve to limit maximum system pressure. This is adjustable from 60 to 3,300 PSI and has a port for a gauge to be installed. Maximum rated flow is 40-GPM.

- **Porting:**
  All ports in the system are SAE O-ring ports with the exception of the suction port which is female NPT. This ensures long life with minimum potential leak points.

- **Filler Breather:**
  The system uses a special European design filler breather that is baffled to minimize “Slosh”.

- **Return Filtration:**
  The system uses a high-flow return filter to handle large surges in return oil flow. The element is a synthetic glass 10-micron BETA rated element for the very best in system cleanliness. It also has 2 ½ times the dirt holding capacity (DHC) of a standard 10-micron cellulosic element.