



RESERVOIR / (CONTROLLED) COOLER (RCC) FILTER SYSTEM



8 Gallon capacity shown
with No Mounting Kit
(NMK)

8 Gallon capacity shown
with optional Frame
Mounting Kit (FMK)



SMART BRAIN TECHNOLOGY

SUPERIOR FILTRATION

SUPERIOR CONTROLS

SUPERIOR DESIGN



**Made in the
USA**

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.

Metaris Corp.

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Metaris Inc.

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www.metaris.com

Contact Kevin Leary at kleary@metaris.com

Ordering Information / Model Code



- 1 - Reservoir Capacity in Usable Gallons
- 2 - System Flow "maximum flow rating"
- 3 - System Relief Valve (Preset @ 60 PSI - Range 60 to 3,300 PSI)
- 4 - Cooler Size: Horsepower Removal.
- 5 - Cooler Motor Control System (Smart Brain Technology)
- 6 - Cooler Motor Voltage
- 7 - Cooler By-Pass Cracking Pressure
- 8 - Construction Material
- 9 - Mounting Option

	1	2	3	4	5	6	7	8	9
RCC	08	40	RV	18HP	FC	12VDC	BP30	4SS	NMKK

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 ΔT:

- 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.