

# ENGINE COOLANT RECYCLER

**Provides the highest quality, recycled engine coolant available anywhere!**



## Why use a BE-55C Engine Coolant Recycler?

1. Removes weakened corrosion inhibitors, dirt, rust, heavy metals and excess water from used antifreeze.
2. Cost effective - NO filters to purchase or ion exchange tanks to regenerate.
3. Reduces disposal costs.
4. Only system capable of producing concentrated glycol. Has a longer shelf life and requires less storage space.
5. Vastly superior to filtration process.
6. Widely tested and approved by OEMs.
7. Meets MIL Spec antifreeze requirements.
8. Hundreds of Government installations worldwide.
9. GSA listed.

New  
Antifreeze  
For Less Than  
\$1.50 a gallon!

## BE-55C Features

- Advanced patented distillation technology
- Antifreeze meets ASTM, SAE, and mil spec standards
- Easy to install, operate and maintain
- Automatic cycle shut down
- **NO** filters of any type
- Minimizes waste coolant storage
- Requires no external water source
- Three-phase power protection device disallows unit operation if power is incorrectly installed or one leg fails.

## Specifications

Size:	Width: 54" (137 cm)
	Height: 60" (152 cm)
	Depth: 32" (81 cm)
Weight:	794 lbs. (360 kg) (boxed)
Capacity:	55 gallons (208.5 liters)
Distillation Rate:	3.2 gph ( 12.13 lph)
Process Time:	16 to 18 hours
Electrical Requirements	240V/3/60 Hz, 40 amps



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## Process:

**FILL** - The Fill/drain Hose is inserted into a 55-gallon waste coolant drum. A Fill Switch on the BE-55C starts a vacuum pump. As a vacuum is formed in the process tank, the fill valve is opened to draw in the waste coolant. When the drum is emptied, the operator switches the fill off. A sensor prevents more than 55 gallons from entering the process tank.

**WATER PROCESS** - The start switch is depressed and heat is applied bringing the waste coolant to a boil inside the distillation tank. A water rich vapor is first formed due to water's lower boiling point (compared to ethylene glycol). This vapor passes through a heat exchanger where the vapor is turned into a clean water stream that can be reused to make new coolant or drained. The distilled water gravity drains into the processed water receiving drum.

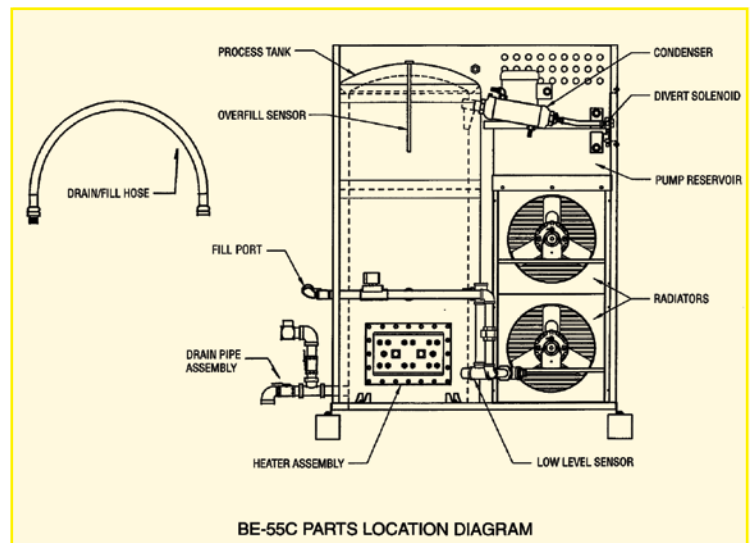
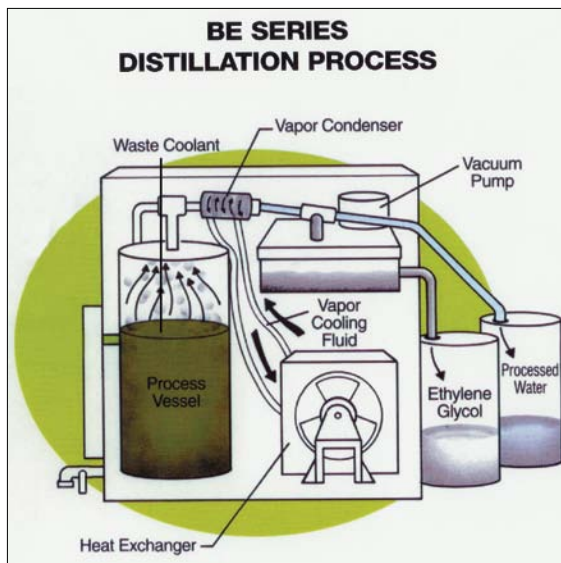
**GLYCOL PROCESS** - When most of the water has been processed, the temperature inside the process tank will begin to rise. This activates a temperature switch which closes and energizes the vacuum pump and the divert solenoid valve. At this point, the upper heaters de-energize and remain off for the remainder of the cycle. During this portion of the process, the glycol is vaporized under a vacuum (reducing its boiling point). The distilled glycol gravity drains into the processed glycol receiving drum.

**AUTO SHUTDOWN** - The BE-55C will automatically terminate the process when the liquid in the process tank reaches a low level. This low level sensor de-activates the Process On/off Switch and shuts the unit off.

**DRAIN ASSIST** - After the cycle is complete, the residue is drained into a residue collection drum. The Fill/Drain Hose is placed into this drum, the Fill/Drain Valve is opened, and the Drain Assist Switch is depressed and held (activating the air supply solenoid) until the residues stop flowing.

**INHIBITOR** - After the process is complete, the recycled coolant can be mixed with processed water to obtain the desired freeze/boil protection and inhibited with Finish Thompson's Premium Inhibitor to restore the glycol to a like new condition.

## Process and Component Illustrations:



For a detailed quotation, contact Finish Thompson Inc. toll free (USA & Canada), 1-800-934-9384, or send an email to [sales@finishthompson.com](mailto:sales@finishthompson.com).



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