

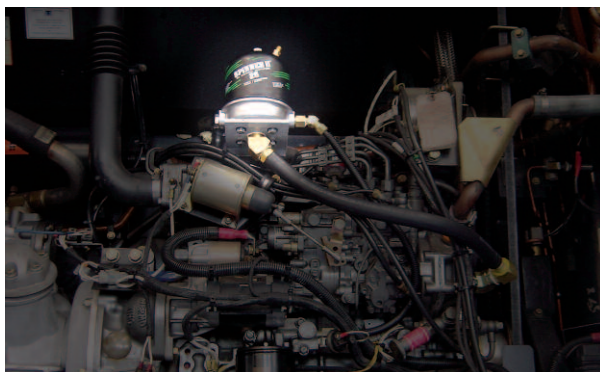
# Spinner II® Oil Cleaning Centrifuges for Trailer Refrigeration Engines



Spinner II centrifuges provide highly efficient, ultra-fine filtration of lube oil to protect hard-working engines in trailer refrigeration applications. By reducing engine wear up to 50%\*, Spinner II centrifuges help improve reliability and reduce life-cycle costs.

Spinner II centrifuges remove both large particles and contaminants as small as one-tenth of a micron. Units are self-powered, using normal oil pressure to generate speeds in excess of 7,000 rpm and centrifugal force 2,000 times greater than gravity. This force extracts solid contaminants from the oil stream and deposits them in a cleanable rotor as a dense, solid cake (sealed, replaceable rotors also available).

Spinner II centrifuges are compact, lightweight and built to last the life of your engine. They are easily retrofitted to existing refrigeration units and operate reliably with minimal maintenance.



*Spinner II oil cleaning centrifuge installations for Carrier Ultra (top) and Thermo King Spectrum™ trailer refrigeration units.*

## Advantages of Using Spinner II

### Protects engines:

- Reduces wear (call for test reports on 50% reduction in engine wear)
- Handles increased soot loads produced by reduced-emissions engines
- Keeps oil additives effective longer
- Reduces frequency of maintenance and repair
- Extends engine life

### Enhances maintenance:

- Extends oil life, reducing material and labor expenses
- Extends full-flow filter life
- Helps extend time between service intervals, reducing downtime and increasing productivity

### Simplifies service, safeguards the environment:

- No filter or elements to replace
- Reduces used oil and filter disposal
- Re-usable, easy-to-clean

### Easy-Install Kits for Major Engines

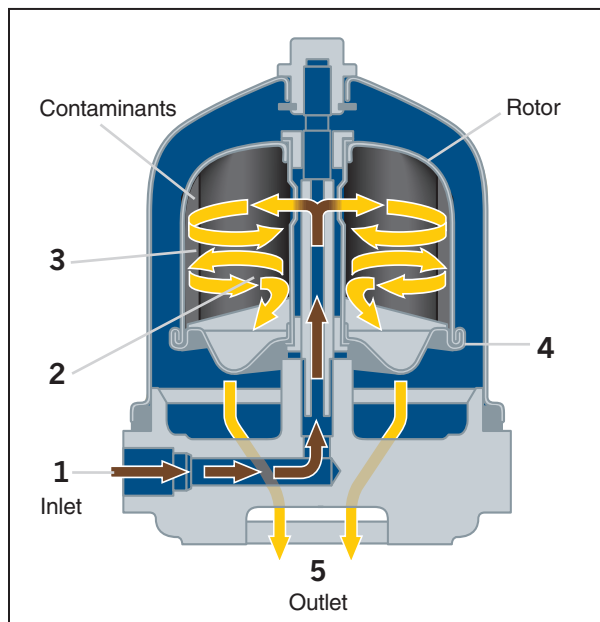
Spinner II centrifuge installation kits are available for major refrigeration units such as Carrier and Thermo King. These kits include hoses, fittings and everything you need for quick and easy installation. Spinner II Products also provides engineering and technical support services if needed.

\*Contact Spinner II for test reports

# Spinner II® Oil Cleaning Centrifuges for Trailer Refrigeration Engines

## Operation

- 1 Dirty oil enters the separation chamber under normal pressure, flowing up through a hollow spindle
- 2 Oil passes through a spinning rotor, where centrifugal force 2,000 times greater than gravity separates solid contaminants from the oil
- 3 Contaminants accumulate on the rotor surface as a solid cake
- 4 Clean oil exits from opposing, twin nozzles that power the centrifuge up to 7,000 rpm
- 5 Clean oil drains to the sump



## Low Maintenance, Simple To Clean

A Spinner II centrifuge is cleanable, reusable and designed to provide years of trouble-free service. There are no costly filter elements to replace and no used elements for disposal. To service the centrifuge, simply remove the cover and empty the dry, compacted contaminants from the reusable rotor.\*

\*Replaceable rotors are also available. For complete instructions, request Service and Installation Bulletin No. 71951.

## Specifications

**APPLICATION:** lube oil cleaning for engines in refrigerated trailers

**SOLID PARTICLE REMOVAL:** down to one-tenth of a micron

**FLOW CAPACITY:** 54 gallons per hour

**CENTRIFUGE POWER SOURCE:** normal engine oil pressure

**SOLIDS HOLDING CAPACITY:** 250 cubic centimeters

**INSTALLATION:** kits are available for Carrier Ultra and Thermo King Spectrum™ refrigeration units; contact Spinner II Products for assistance with other engine types and models.

**SERVICE PROCEDURE:** remove and clean rotor by hand; no special tools required; optional replaceable bowls available.

## Dependable Support

Spinner II centrifuges have provided exceptional oil-cleaning performance for over 30 years. They have been specified as original equipment by over 40 heavy-duty engine manufacturers worldwide and installed on more than a million trucks.

Spinner II centrifuges are backed by responsive engineering and technical support. To discuss your application, call 1-800-231-SPIN (7746).

