

- A multi-viscosity oil as specified by its viscosity index of 100. Multi-viscosity oils provide for peak performance at wide temperature and pressures.
- Lubricates and seals at operating temperatures developed by pump.
- Very low vapor pressure. A critical characteristic of a vacuum pump oil.
- “Pop-up” caps on pints and quarts for complete ease of pouring into pump’s oil port.

## Vacuum Pump Oil

### Cal-Vac Vacuum Pump Oil



## Application

One of the most frequent functions performed by today’s service professional is the evacuation of moisture and other contaminants from refrigeration and air conditioning systems. This routine, but nonetheless important service is accomplished through the use of a high vacuum pump. Because it is relied upon every day, the pump must be maintained in peak operating condition, insuring efficiency, reliability and avoiding costly call backs.

Use of a quality vacuum pump oil is recognized as one of the more important elements in maintaining the pump’s designed performance day to day.

## Description

Nu-Calgon Vacuum Pump Oil is a quality blend of high-grade lubricants, providing for oil that performs at the deepest vacuum. It lubricates to minimize wear and provide surface protection, and its high viscosity index assures adequate lubrication at high and low pressures. In addition, its broad package line guarantees the right package size for all levels of service activity, from the service professional handling only an occasional evacuation to the one conducting several every day.

## Directions for Use

Change the oil in the vacuum pump after every use of the pump.

During pump operation, moisture as well as other contaminants like acids, vapors, etc. are easily absorbed into the vacuum pump oil. If the vacuum pump oil is not changed after absorbing such contaminants, it will become dirty and keep the pump from performing at design capacity (i.e., it will not reach its ultimate vacuum). Moreover, this will result in longer pump down time as well as excessive wear on integral parts of the pump.

Drain used oil from pump. If it appears exceptionally dirty or sludged, power flush the pump according to the pump manufacturer’s recommendations; power flushing helps to cleanse the pump of the old contaminated oil residuals. After power flushing, refill pump with fresh, new vacuum pump oil. View oil through sightglass and test the unit’s ultimate vacuum. If oil appears dirty or if vacuum is unsatisfactory, change oil again.

See back side of bulletin for oil changing capacities for some of the more frequently used vacuum pumps.

## Packaging

- 1 pint bottle **4383-34**
- 1 quart bottle **4383-24**
- 1 gallon bottle **4383-07**

## Specifications

Viscosity, sus @ 100°F . . . . .	225
Viscosity Index (VI) . . . . .	100
API Gravity . . . . .	30.5
Flash Point, °F . . . . .	425
Pour Test, °F . . . . .	-20
Color, Gardner . . . . .	.15vv

## OIL CAPACITIES OF SOME OF THE MORE FREQUENTLY ENCOUNTERED PUMPS

### ROBINAIR

Model No.	15100	5200	15400	15600	15120
Free Air Displc.	1.2 cfm	1.2 cfm	4.0 cfm	6.0 cfm	10.0 cfm
Oil Capacity	5 oz.	5 oz.	13 oz.	13 oz.	28.5 oz.

Model No.	DV-85	DV-142	DV-3	DV-5	
Free Air Displc.	3.0 cfm	5 cfm	3.0 cfm	5.0 cfm	
Oil Capacity	26.4 oz.	21 oz.	24 oz.	21 oz.	

### THERMAL ENGINEERING (Z-LINE)

Model No.	1816Z	1817Z	1825Z	1850Z	1880Z
Free Air Displc.	1.6 cfm	1.6 cfm	3.2 cfm	6.2 cfm	12.0 cfm
Oil Capacity	9 oz.	14 oz.	14 oz.	14 oz.	18 oz.

### WELCH VACUUM TECHNOLOGY, INC.

Model No.	R-25	R-50	R-160	R-212	R-320
Free Air Displc.	2.0 cfm	2.0 cfm	5.0 cfm	7.5 cfm	10.0 cfm
Oil Capacity	20 oz.	20 oz.	56 oz.	135 oz.	145 oz.

Read and understand the product's label and Safety Data Sheet ("SDS") for precautionary and first aid information.

The SDS is available on the Nu-Calgon website at [www.nucalgon.com](http://www.nucalgon.com).

