Protect the Environment with ThermaPhase Oil/Water Separator

We are bombarded everyday by the media with dire predictions about the green-house effect, ozone layer depletion, the results of burning the rain forest, and any number of other potential major environmental disasters. Usually, the problem is of such magnitude we feel helpless in trying to solve the problem.

However, there is an environmental problem much closer to home on which you can have a positive effect. Many air compressors produce oily condensate that is allowed to run on the ground or put into the sewer. This condensate, if left untreated, fouls the environment or creates a significant treatment problem. Often the solution is as easy as running the condensate through gravity separators and a carbon filter, such as the Summit ConDePhase® Plus units, before dumping the water. When the nature of the lubricant forms a stable emulsion or is difficult to separate, then another method must be used to perform the task. ThermaPhase was developed to solve this pollution problem.

ThermaPhase handles a broad variety of synthetic (polyglycol, diester, synthetic hydrocarbons, silicone, polyester and mixtures, or thereof) and petroleum based compressor lubricants. Do not use **ThermaPhase** on lubricants containing significant quantities of phosphate esters.

ThermaPhase is an excellent choice for companies proactively engaging in environmental management. Our product offers a solution to many forms of adverse environmental impacts (soil and water), which assists many companies in pursuing ISO 14001 registration.

The Summit **ThermaPhase** unit is a thermostatically controlled, electrically heated evaporation unit that separates air compressor condensate from spent compressor lubricant. The condensate water leaves the unit as atmospheric steam and the lubricant is periodically drained from the unit. This offers an economical alternative to having your condensate hauled away by a licensed disposal company.

Special Design Features

The **ThermaPhase** unit uses special low-density heating elements for long life and low maintenance. The heating elements are staged to go on sequentially. (Time of sequence between elements is variable but fixed by design). When the maximum operating temperature is reached, the heating elements automatically turn off until the temperature falls below the boiling point of 212º F, and at this time the heating elements will restart. This system minimizes power surges, helps balance the load and reduces power consumption. There is a low level cut-off switch which provides protection for the heating elements which must be completely submerged whenever they are on.

For more detailed information about the Summit ThermaPhase Oil/Water Separators...
Contact Rodney Rushing at 903.534.8021 or Toll Free 1.800.749.5823, Rodney.Rushing@klsummit.com

The internal vaporization chamber is fabricated from stainless steel to eliminate rust and provide long term service.

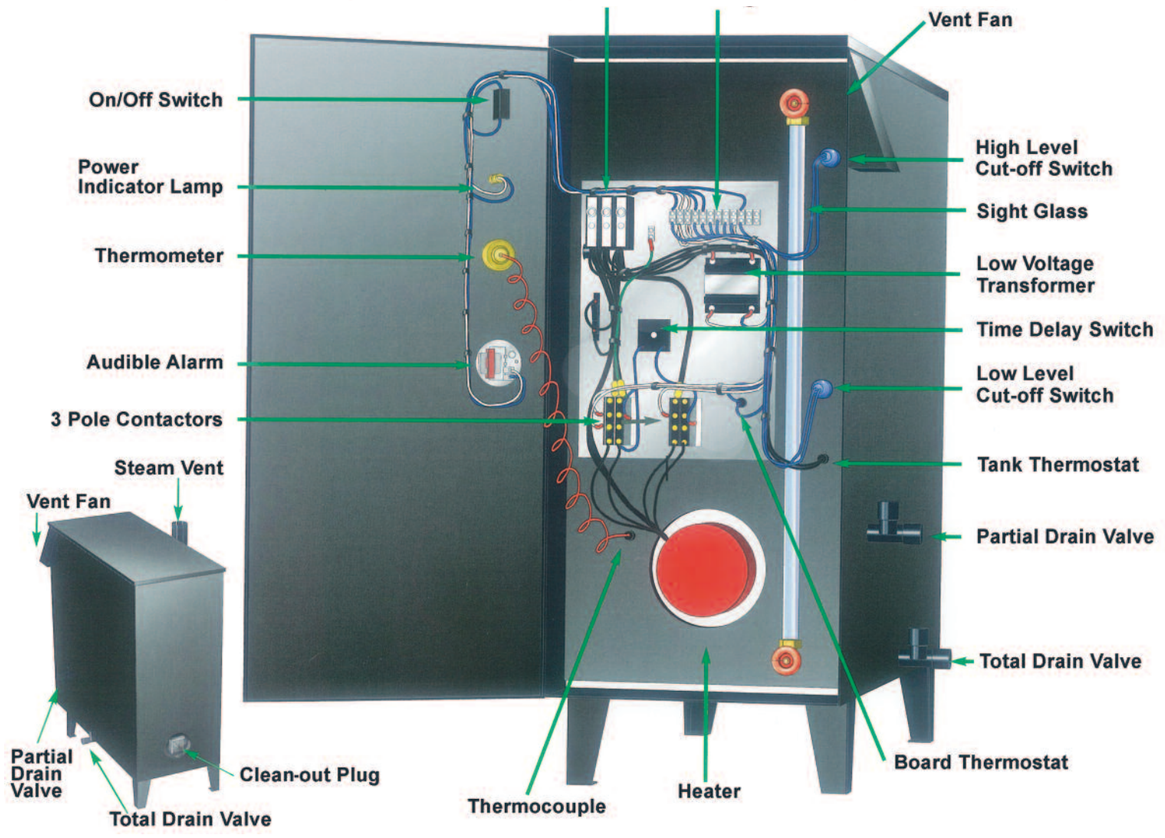
Special consideration has been given to the safe performance of this unit. There is an internal dip leg in the vent line to provide pressure relief should the vent become accidentally blocked.

The high-level alarm and cut-off switch provides positive notification the unit is full and needs draining. There is a 4 inch clean-out plug in the back of the unit for convenient cleaning of the internal chamber and heating element every six months. There is also a sight glass to allow the operator to monitor performance of the unit and decide when to drain the unit.

A thermometer is provided to monitor the operating temperature and determine when the lubricant has cooled to a safe temperature for draining. There are two thermostats for overheating protection and two drain valves for partial and total draining on the unit.

The **ThermaPhase** uses high efficiency insulation to conserve energy and provide a safe physical environment. Over 90 percent of the energy input is utilized to convert condensate to steam.

***ThermaPhase** provides you with a safe, positive solution to a persistent problem.*



ThermaPhase Capacity/Utility Chart

Model No.	Capacity Lbs./Hr.	Capacity Gals/Hr.	KW	Amps	Volts	Shipping WT.	Phases	Dimensions H x L x W
TP-6	15.8	1.9	6	11	480	546	3	48 1/8 X 46 1/8 X 20 3/8
TP-12	34.2	4.1	12	19	480	550	3	48 1/8 X 46 1/8 X 20 3/8
TP-18	51.6	6.2	18	21.7	480	618	3	48 1/8 X 46 1/8 X 24 3/8
TP-24	69.1	8.3	24	28.9	480	624	3	48 1/8 X 46 1/8 X 24 3/8
TP-36	104.1	12.5	36	43.4	480	633	3	48 1/8 X 46 1/8 X 24 3/8
TP-54	156.6	18.8	54	65.0	480	819	3	48 1/8 X 46 1/8 X 44 3/8
TP-72	209.1	25.1	72	86.7	480	834	3	48 1/8 X 46 1/8 X 44 3/8

ThermaPhase Advantages

- *All weather operation*
- *No carbon disposal problem*
- *Easy to maintain*
- *Minimum operator attention required*

Economical Advantages

- *Money saving alternative to paying a licensed disposal company*
- *Compliant for ISO 14001*
- *Quality parts and construction for long life and low maintenance*

Models TP-6, TP-12

Models TP-54, TP-72

Models TP-18, TP-24, TP-36

SUMMIT®

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ThermaPhase

Oil/Water Separator

For Compressor Condensate

It's not just the law...
It's the right thing to do!