

# Equipment

Oil-Water Separators



# Oil and water safely separated

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Everyone knows that oil and water don't mix, right? But what happens when they do and you need to get them separated? The oil-water relationship is a problem for any company running an air compressor where oily condensate forms a stable emulsion or is difficult to separate.

It's not only bad for the environment, but it's illegal to send that condensate down the drain. For most states, 50 ppm is currently the standard concentration of oil allowed in water destined for sanitary sewers.

Summit has designed two innovative options to properly separate and dispose of oily condensate. Our ThermaPhase® and ConDePhase® Plus oil-water separators safely separate the oil from the water and make it easy to dispose of both.

It does not matter what type of oil you use in your air compressor, we have the solution. Our equipment experts only need a few pieces of information about your compressor to point you toward the right piece of equipment for the job.

Oily condensate can originate from several locations in the air compressor system: compressor, inter-cooler, after-cooler, separators, receivers, dryers and filters. For greater efficiency and additional savings, they can all be piped together before being separated by our equipment.

Contact Summit today to talk to an expert who can assist you in selection of the proper unit and give you peace of mind in regards to the law and the environment.



# Obey the law, help the environment

The law is only getting more robust when it comes to the proper disposal of hazardous waste like oil-water condensate. And the onus of keeping up with those laws rests on the shoulders of business owners. If they are found not to be compliant, it can result in huge fines. We're also all looking to do our part in preserving the future of our planet.

Summit's oil-water separators are affordable, easy to set up and help businesses avoid fines while respecting our environment.

In many cases, it is illegal to dispose of untreated compressor condensate by putting it into sewers or surface draws. Make a better choice.

The simple, automatic and most economical solution for oily compressor condensate disposal.



## What sets Summit Lubrication apart?

We're looking to do much more than just sell lubricants. We pride ourselves on being expert problem solvers. At Summit, we know that our success hinges directly on your success, and that knowledge drives the way we do business. In everything we do – from product development, to hiring, to plant visits, phone calls, technical support, oil analysis, training seminars and everything in between – we are looking to answer the question: "Does this add to our customers success?" We want to be a full-service lubrication resource for your business.



## A greener choice

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While some states push for even lower restrictions, for most states, 50 ppm is currently the standard concentration of oil allowed in water destined for sanitary sewers.

ConDePhase® Plus units, with their unique separation design and activated filter, often achieve water effluents containing less than 15 ppm. ThermaPhase® completely separates the oil from the water by evaporating and releasing the water as steam.

Properly taking care of your oil-water condensate is good for your business and it's good for the environment.

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



# Find your solution

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 our ThermaPhase® unit is the right choice for the job. ThermaPhase® was developed to solve the tough applications. Both oil-water separators come in multiple sizes to be sure you don't buy more or less power than you need.

## ConDePhase® Plus

The ConDePhase® Plus oil-water separator is simple, automatic and the best economical solution for oily compressor condensate disposal. To add to its ease of use, the ConDePhase® Plus uses gravity separation, which means it doesn't need to be plugged in, has no moving parts, and is virtually maintenance-free.

Summit offers the ConDePhase® in eight different sizes, ranging in capacity from 7.5 gallons to 400 gallons and ranging in weight from 17 pounds to 280 pounds. All ConDePhase® units are made with impact-resistant, high density polypropylene and come with two coalescing packs for extra filtration and longer lasting carbon filter.

## ThermaPhase®

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.

ThermaPhase® handles a broad variety of synthetic (polyglycol, diester, synthetic hydrocarbons, silicone, polyester and mixtures, or thereof) and petroleum based compressor lubricants. Summit's ThermaPhase® comes in seven different sizes to offer a customized solution that fits your specific need.



# Model specifications

## ConDePhase®

Model Number	Tank Capacity (Gallons)	Dimensions (H X L X W)	Condensate Inlet Connection	Oil Drain	Water Drain	Weight
ConDePhase® Plus-7.5	7.5	22 3/4" x 18 3/4" x 10"	1/2"	3/4"	3/4"	17 lbs
ConDePhase® Plus-15	15	30 1/4" x 23 1/2" x 11 3/4"	1/2"	3/4"	3/4"	33 lbs
ConDePhase® Plus-30	30	34 1/4" x 27 1/2" x 13 3/4"	1/2"	3/4"	3/4"	56 lbs
ConDePhase® Plus-80	80	48 1/4" x 31 1/2" x 15 3/4"	1/2"	3/4"	1"	130 lbs
ConDePhase® Plus-160	160	52 1/4" x 42 1/2" x 20 3/4"	1/2"	3/4"	1"	170 lbs
ConDePhase® Plus-200	200	54" x 48" x 24"	1/2"	3/4"	1"	185 lbs
ConDePhase® Plus-300	300	60" x 57" x 28"	1/2"	3/4"	1"	215 lbs
ConDePhase® Plus-400	400	72" x 57" x 29"	1/2"	3/4"	1 1/2"	280 lbs

## ThermaPhase®

Model Number	Capacity Lbs./Hr. - Gal./Hr.		KW	Amps	Volts	Shipping Wt.	Phases	Dimensions (H X L X W)
ThermaPhase® - 6	15.8	1.9	6	11	480	546	3	48 1/8" x 46 1/8" x 20 3/8"
ThermaPhase® -12	34.2	4.1	12	19	480	550	3	48 1/8" x 46 1/8" x 20 3/8"
ThermaPhase® -18	51.6	6.2	18	21.7	480	618	3	48 1/8" x 46 1/8" x 24 3/8"
ThermaPhase® - 24	69.1	8.3	24	28.9	480	624	3	48 1/8" x 46 1/8" x 24 3/8"
ThermaPhase® - 36	104.1	12.5	36	43.4	480	633	3	48 1/8" x 46 1/8" x 24 3/8"
ThermaPhase® - 54	156.6	18.8	54	65	480	819	3	48 1/8" x 46 1/8" x 44 3/8"
ThermaPhase® - 72	209.1	25.1	72	86.7	480	834	3	48 1/8" x 46 1/8" x 44 3/8"

What size do you need?

Our experts can help! Just ask your sales rep for ConDePhase® and ThermaPhase® sizing charts.

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Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.

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## Summit Lubrication – partnering for success

Your expert in specialty lubricants. Since 1982, we have partnered with you to bring you the right solution and advanced lubrication technologies. With over 500 products, from air and gas compressor oils to refrigeration oils, we develop top-of-the-line products tailored to your specific needs. Your success is our success.

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