

## VAC Series Vacuum Dehydration Systems

High-quality, rugged filtration for industrial oils

### Features

- Available flow rates: 3, 5, 10, 15, 20, 30, 50
- Multiple voltages available
- Variable frequency drive
- Basket strainer included to protect filter longevity
- Electrical rating: NEMA 4
- Mounting: skid or casters
- All prices include 1-day onsite training and installation
- Leasing & rental options available

### Benefits

- Heavy duty
- Removes 100% of free and emulsified water, and at least 90% of dissolved water



### Low Maintenance System!

- No vacuum tower maintenance needed
- No replacement of coalescing filter elements needed
- Low maintenance pump utilized
- No water supply needed
- Electricity only

The harmful effects of particulate and moisture contamination in hydraulic and lubrication oils have been well documented. By maintaining absolute fluid cleanliness, end-users can dramatically increase the life of critical wear components on rotational equipment, minimizing downtime and maximizing profitability.

The design of our vacuum dehydrators maximizes the water extraction rates of our oil purifiers, and top-quality components and workmanship ensure years of maintenance-free operation and performance.

## VAC Series Vacuum Dehydrator

### *VAC Series Product Features:*

Permanent Dispersion Media	Located in the vacuum tower to maximize water extraction rates and eliminate the need for costly replacement of coalescing filter elements, while enabling the system to operate effectively on high viscosity gear oils
Vacuum Pump	High quality, specialty pump pulls deeper vacuum, higher CFM and requires less maintenance than other conventional vacuum pumps
Variable Frequency Drive	Enables operator to dial in the optimal flow rate and enhances the system's overall performance during cold start-ups, on higher viscosity oils, or when a restricted inlet condition exists
Single Utility	Requires electric service only – not a chilled water supply
System View Windows	Enables operator to observe system operation and performance
Filter Indicator Light	Positive indication when the particulate removal filter element is plugged and needs to be changed
Flow Rates	3, 5, 10, 15, 20, 30, 50 gpm
On-Site Training	All prices include 1-day on-site training, installation and a leave-behind manual and video
Additional Options	Transformer oil filtration option available, low and high vacuum options, skid or caster mounts, rental & leasing options

*When clean dry air is a must, Beach is the clear choice.*

## *VAC Series Vacuum Dehydrator*

### Typical Applications:

- Filtering hydraulic systems
- Filtering steam turbine lube systems
- Almost any industrial equipment containing oil

### Typical Industries Served:

- Power generation/distribution
- Mining
- Paper manufacturing
- Food manufacturing
- Chemical manufacturing
- Municipal water treatment plants
- Auto manufacturing
- Steel rolling mills
- General industry

### When to Choose a Vacuum Dehydrator:

- If water ingress accounts for more than filter media can absorb
- For applications with constant ingress of water
- To remove dissolved water
- For preventative measures in industries where water is used in production (i.e. Pulp & Paper)
- For water removal in Group II base stock turbine oils, water absorbing media filtration or vacuum dehydrators have been found most effective

### Filter Elements:

- High holding capacity
- High efficiency filtration with low pressure drop
- Epoxy-coated steel support mesh upstream and downstream
- Performance to  $\beta_{<3(c)}=1000$  (per ISO 16889)
- Synthetic media with smooth, rounded fibers for low resistance to flow
- Excellent chemical compatibility
- Maximum differential pressure of 150 psi
- Maximum flow rate of 150 gpm
- Maximum viscosity of ISO 1000



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## *Try All Beach Fluid Handling & Filtration Products*

### *Portable Filtration*



### *Dedicated Filtration*



### *Water Removal*



### *Lubricant Storage & Filtration*



### *Filter Elements*



### *Adapter Kits*

