

Advanced Fluid Systems, Inc.

Fluid Power Distributor and Systems Manufacturer

Contact Us:
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Hy-Pro Filtration's VAC-U-DRY portable vacuum dehydrators are an economical solution for quickly removing water, gas and particulate contamination from your lube, transformer and hydraulic fluids.



V20 VAC-U-DRY Stats:

Model: V20
Dimensions (in.): 72L x 36W x 60H
Weight (crated): 2,100 lbs.
Electrical Service: 460VAC, 3P, 60Hz
Flow Rate: 5 to 20 GPM
Reservoir Volume: 100 to 6000 Gal.
 Water removal rates and graphs are available in the VAC-U-DRY literature at our website or at www.hyprofiltration.com

V20 VAC-U-DRY Rental Pricing

V20 Rental Pricing	
Rental Period	Rate
Per Month	\$ 5,100
Per Week	\$ 1,342
Each Add. Day	\$ 202

Minimum 3 Day Rental

VAC-U-DRY Element Pricing:

Each V20 VAC-U-DRY rental requires the purchase of (1) particulate filter and (4) vacuum dispersal elements. Additional elements may be required based on the fluid condition and length of operation. Contact us to determine the best elements for your fluid and application.

"Standard" Elements:

HP107L36-6MV Particulate element x (1) = \$432.00
 HPDEL22 Dispersal elements (set of 4) = \$610.00

** There is a \$500 security deposit for the system and crate for each rental.

Water Removal: 100% Free
 90%+ Dissolved
 (20 ppm / .0020%)

Air and Gas Removal: 100% Free
 90% Dissolved

Particulate Removal: ISO 14/12/9
 2.5m @ β1000

Worry-Free Operation: Dual condensate water tanks with automatic drain standard for 24 x 7 unattended operation.

Easy Setup: Automatic electric phase reversal; programmable thermostat; and smart relays with controlled start-up and shut down routines.

Free Support: On-site setup and start-up support is included free of charge on rentals in the Mid-Atlantic and New England regions.

Hydraulic Vacuum Dehydrator Rental

...Quickly and safely remove water, gases and particulate.

The V1 series of vacuum dehydrator from Hy-Pro offers the same water, gas and particulate removal performance of its larger cousins, but in a smaller ultra-portable package. It's .5 to 1.8 GPM flow rate is ideal for quickly conditioning smaller volumes of fluid and servicing multiple systems on a regular basis.

V1 VAC-U-DRY Rental Pricing

V1 Rental Pricing	
Rental Period	Rate
Per Month	\$ 1,580
Per Week	\$ 416
Each Add. Day	\$ 63

Minimum 3 Day Rental

VAC-U-DRY Element Pricing:

Each V1 VAC-U-DRY rental requires the purchase of (1) particulate filter and (1) vacuum dispersal element. Additional elements may be required based on the fluid condition and length of operation. Contact us to determine the best elements for your fluid and application.

"Standard" Elements:

HP76L8-3MV Particulate element = \$ 79.00
 HPDEL11 Dispersal elements = \$110.00

** There is a \$500 security deposit for the system and crate for each rental.

V1 VAC-U-DRY Stats:

Model: V1
Dimensions (in.): 48L x 28W x 32H
Weight (crated): 425 lbs.
Electrical Service: 120VAC, 60Hz
Flow Rate: .5 to 1.8 GPM
Reservoir Volume: up to 300 Gal.

Water removal rates and graphs are available in the VAC-U-DRY literature at our website or at www.hyprofiltration.com

HY-PRO



Visit us online at: www.advancedfluidsystems.com

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The VAC-U-DRY Process and Benefits:

Contaminated oil is drawn into the VAC-U-DRY system by a high output vacuum pump. The oil passes through the low watt density heater where it is heated to an optimum temperature for the dehydration process (150°F, 66°C). The oil enters the vacuum chamber passing through specially designed dispersal elements which create a thin film of oil that is exposed to the vacuum. The water is

vaporized and then drawn into the condenser where it becomes liquid and drains into the condensate tank. The dehydrated oil flows to the bottom of the vacuum chamber and is pumped through the high efficiency particulate filter assembly and returned to the system.

Contaminant Type	VAC-U-DRY Capability
Water	Remove 100% free water 90% + dissolved water
Particulate	ISO Cleanliness Code 13/11/8 per ISO4406:1999
Gases	Remove 100% free gases 90% + dissolved gases
Air	Remove 100% free air 90% + dissolved air

Contact us for a free consultation and see if a Hy-Pro VAC-U-DRY vacuum dehydrator is right for you.

Other Filtration Systems from Hy-Pro...

SVR Varnish Removal System: Remove free and dissolved oil varnish and particulate contamination, reducing acidity (TAN) to normal levels without removing critical oil additives.

CO Coalesce Skids: Remove free water and dissolved water to 150 PPM in turbine lube oil and 75 PPM in diesel fuel, while removing particulate.

FSL Filtration Skids:
Dedicated filtration for gearbox, kidney-loop, fluid transfer and high viscosity applications.



FCL Filtration Cart: Mobile version of the FSL filtration skid, the FCL cart features wheels and a retractable power cord.

FC Filter Cart: Portable filtration system on a two wheeled hand-cart. Ideal for transferring new fluid and conditioning oil before use.

FPL Spin-on Filter Panel: Mounted filtration panel ideal for filtering replenishment (top-off) fluid or as a kidney-loop adder for existing applications.

On-site Particulate Counting and Identification - Detailed 3rd-Party Fluid Analysis - Custom Filtration Systems

3rd Party Fluid Analysis and Reporting

The Hy-Pro OA-PATLKF fluid analysis kit is an inexpensive, prepaid, 3rd-party oil analysis tool that is independently tested and reported by Insight Services, Inc. Results are fast, accurate and available online or by mail. The kit includes two sterile bottles, paperwork and a self-addressed envelope.

Test results include:

- ISO 4406:1999 Particle Count 4/6/14
- Spectroscopy, FTIR, Wear Metals, and Ferrous Metals
- AN (Acid Number) mg KOH/g
- Water Content PPM
- Viscosity per ASTM D 445
- Magnified Photos and Ferrous Metal Composition.



Part#: OA-PATLKF
\$60.00 Net Each

Advanced Fluid System's custom filtration systems allow you to clean and condition your system's fluid regardless of the system's operation or location. Examples include mobile filter carts, fluid transfer carts and high flow filter skids.

Some filtration characteristics include:

- Particulate filtration down to 1 micron absolute at beta ratio 200 (3 micron absolute at beta ratio 1000).
- Filtration and control solutions for a variety of fluids including hydraulic, lube oil, process water and hazardous fuels and chemicals.
- Optional integrated particle counters and water sensors that report fluid quality in real-time.
- Custom user interfaces, PLC design and operator controls for automated start-up and shut-down sequences, and worry-free operation.



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