

WATER REMOVAL PRODUCTS

V2K
Y2K

FLUID POWER

PRODUCT GUIDE

WATER REMOVAL PRODUCTS

Don't see the options you need?
Contact Y2K at 1(888) 925-8882
or sales@y2kfluidpower.com

Vacuum Dehydration System FD-5 & FD-15

TYPICAL INDUSTRIES:

- Power Generation
- Mining
- Pulp & Paper
- Steel
- Automotive Manufacturing

TYPICAL APPLICATIONS:

- Filtering pulp and paper lube systems
- Filtering steam turbine lube systems
- Filtering hydraulic reservoirs
- Filtering rolling mill lube tanks
- Filtering large amounts of water ingestion

FEATURES & BENEFITS:

- Unlimited water removal with no consumables.
- Highest water removal out of all Y2K water removal products.
- Long term & durable solution for applications that have high levels of consistent water ingestion.
- Small, portable footprint with the ability to fit through a standard 36" door.
- Removes free & emulsified and dissolved water from industrial oils.
- Removes free and dissolved gases.
- Bypass feature for high viscosity fluids.
- High efficiency particulate filtration.
- Easy setup with one button operation.
- On board diagnostics.
- Low power consumption.

Chamber Vacuum 22-27" Hg

Fluid Temperature Adjustable heater up to 180°F. Factory set at 145°F and is customer adjustable up to 165°F.

Filtration Highly efficient β 1000 filter element. Micron sizes range from 1UM to 25UM.

Max Fluid Viscosity: ISO 680 or 4250 SUS

Inlet Pressure Max: 10"Hg Vacuum to 15 psig

Outlet Pressure: 65 psig Max

Flow Rate: 5 GPM or 15 GPM

Vacuum Pump Flow Rate: 13 CFM

Heater Capacity: 3 KW @ 15wsi or 18KW @ 15wsi



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Portable Membrane Dehydration System

TYPICAL INDUSTRIES:

- Power Generation
- Mining
- Pulp & Paper
- Steel
- Automotive Manufacturing

TYPICAL APPLICATIONS:

- Hydraulic reservoirs
- Pulp and paper lube systems and gearboxes
- Cooling tower gearboxes

FEATURES & BENEFITS:

- Unlimited water removal with no consumables.
- Portable solution for applications that have limited access to electricity and space.
- Ideal for small applications & reservoirs.
- Removes free, emulsified and dissolved water along with dissolved gases.
- High efficiency particulate filtration.
- Flexibility to handle multiple electric & pneumatic power options.
- Runs standard on 120v power.

Motor	1HP, 115Vac, 60Hz
Filter Heads	Dual stage, medium pressure, steel heads
Pump	Heavy duty, steel gear pump. Available in 2 and 5 GPM
Connections	Various quick connect options available
Hoses	2 ea., 7ft. Clear PVC, steel reinforced suction and discharge hoses
Power Switch	Sealed On/Off power switch
Membrane Dryer	Patented membrane dryer with hollow fiber membranes
Coalescing Pre Filter	Reduces particulates and oil from plant air
Air Dryer	Dries incoming plant air to -40 degrees or lower dew point
Filter Indicators	Slide bar indicators trigger at 50 psid when elements need to be changed.
Pump Relief	Opens at 150 psi
Options	Moisture monitor system and on-board air compressor



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CCECO Gold Series Units

TYPICAL APPLICATIONS:

- Mining Operations
- Power Plants
- Paper Mills
- Metal Stamping
- Injection Molding
- Marine Vessels
- Government Satellite Operations
- Hay Compression
- Bulk Storage
- Lube Rooms
- Heavy Equipment

FEATURES & SPECS:

- Filters down to 1 micron or better.
- Moisture removal down to 100 PPM or better.
- Depth style filters for maximum dirt holding capacity.
- Can handle a wide range of fluids: hydraulic, gear, machine, turbine, transmission and engine oils.
- Can be configured from 1 filter element up to 4 filter elements.
- Patented non-channeling seal on filter elements.
- High flow for faster water removal.
- Increases fluid machine and equipment life.
- Permanent installation unit for 24/7 operation. (GEM Series)
- Mobile 4 wheel unit for easy transportation. (GFC Series)
- Long media flow path for line filtering. (GLP Series)
- Can be installed on a variety of equipment for low pressure in-line applications. (GLP Series)
- Pressure and flow regulating valve for up to 3,000 PSI in-line applications. (GHP Series)
- Can be installed on a variety of equipment and utilizes system flow. (GHP Series)

	GEM 100 & GFC 100	GEM 200 & GFC 200	GEM 300 & GFC 300	GEM 400 & GFC 400
Dirt Holding Capacity	5 lbs	10 lbs	15 lbs	20 lbs
Water Holding Capacity	1 Gallon	2 Gallons	3 Gallons	4 Gallons
Flow Rate	2.5 GPM	5 GPM	7.5 GPM	10 GPM
ISO Cleanliness	16/11/7	16/11/7	16/11/7	16/11/7

	GLP 25	GLP 50	GLP 100
Dirt Holding Capacity	1.25 lbs	2.5 lbs	5 lbs
Water Holding Capacity	0.25 Gallons	0.5 Gallons	1 Gallon
ISO Cleanliness	16/11/7	16/11/7	16/11/7

	GHP 25	GHP 50	GHP 100
Dirt Holding Capacity	1.25 lbs	2.5 lbs	5 lbs
Water Holding Capacity	0.25 Gallons	0.5 Gallons	1 Gallon
Flow Rate	0.75 GPM	1.25 GPM	2.5 GPM
ISO Cleanliness	16/11/7	16/11/7	16/11/7



GEM 200 model pictured above. Also available in 100, 300 and 400 models.



GFC 400 model pictured above. Also available in 100, 200 and 300 models.



GLP 200, 300 and 400 models also available.



Depth Filter Elements

TYPES OF FLUIDS FILTERED:

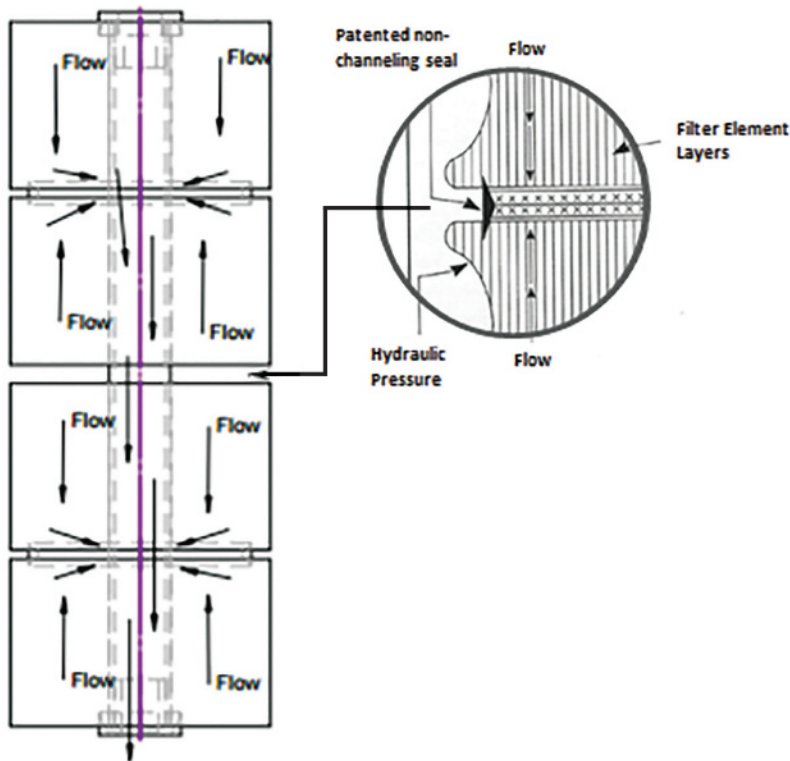
- Diesel Fuel
- Hydraulic Fluids
- Glycerols
- Transformer Oils
- Gear Oils
- Turbine Oils
- Quench Oils
- Numerous Other Industrial Fluids

FEATURES & SPECS:

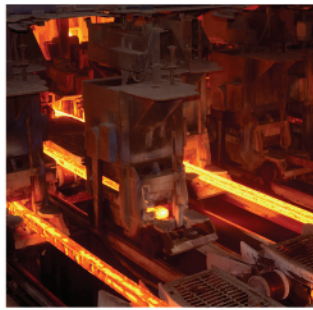
- Beta Rating: $\beta_{<3(c)} = 1000$ (per ISO 16889)
- Water Removal: up to 1 gallon
- Dirt Removal: up to 5 pounds
- Removes contaminants as low as 1-Micron

The Y2K filter is designed as a multi element filter with a non-channeling seal that forms a positive barrier to channeling. The flow of oil carries the contaminants into the depths of the filter media with no flow restrictions from surface loading. Each element will remove water from wet oils.

The hydraulic pressure of oil compresses the layers of filter media against the patented non-channeling seal and toward the center of the element creating a constant pressure to avoid channeling. This compression along with the pressure against the filtering surface of the element causes the elements to become more compact, trapping contaminants as small as 1-Micron. Oil flow travels through the layers of the elements and into the oil return tube of the filter housing.



FILTRATION SOLUTIONS FOR MANY APPLICATIONS



Industry Applications:

- Mining Operations
- Power Plants
- Paper Mills
- Metal Stamping
- Injection Molding
- Marine Vessels
- Government Satellite Operations
- Hay Compression
- Bulk Storage
- Lube Rooms
- Construction Equipment
- Forestry Equipment
- Port Equipment
- Utility Vehicles
- Buses & Transit Vehicles
- Farm Equipment
- Government & Military Vehicles
- Commercial Delivery Fleets
- Personal Trucks, Vans & Cars
- Off-Highway Equipment
- Power Generators
- Gear Boxes
- Turbines
- Railway Equipment

About Us:

Y2K Fluid Power is an original equipment manufacturer (OEM) based in Sioux Falls, South Dakota. The company markets filtration products that are designed to help improve equipment reliability and extend lubricant life. Y2K Fluid Power was the FIRST to define closed loop filtration and the FIRST to develop safer and more effective oil handling practices. Its filtration solutions are marketed through distribution, private label, and through other OEM partners. For more information, visit www.y2kfluidpower.com or email sales@y2kfluidpower.com