



**US PETROLON
INDUSTRIAL INC.**



TURBINE FILTRATION PRODUCT CATALOG

US Petrolon Industrial, Inc.

447 North 66th Unit 3 • Lincoln, NE 68505 • 800.755.4572 fax 402.423.6661

www.uspetrolon.com • sales@uspetrolon.com

ABOUT US

The Company

US Petrolon has been filtering fluids of all types for over 25 years. Our knowledge of and practical experience with fluids of various types ensures that the US Petrolon fluids and filtration in your Oil Filtration & Lubrication Program will be the finest available.

The Products

US Petrolon specializes in providing high quality semi-synthetic and synthetic fluids, superior performance qualities and long service life. We also specialize in designing and manufacturing ultra-fine filtration systems. With steel or stainless steel housings, tubing and fittings our custom-sized and hand-built filtration units are made to last.

The Service

Service is the cornerstone of our business, both on-site and via phone and electronically. Our commitment to our clients permeates every facet of our company. Call us toll-free to arrange for a plant audit and inspection of your existing operation at no charge. Our aim is to build a lasting relationship with your company based on unparalleled personal service and a custom-tailored Oil Filtration & Lubrication Program.

The Program

The US Petrolon Oil Filtration & Lubrication Program has a solid foundation based on years of experience, best product and practices and verified through time based independent laboratory testing. Our philosophy is to utilize superior lubricants, ultra-fine filtration, independent oil analysis, oil reclamation, and personal service to construct a program shaped to your needs to reduce costs and increase asset life.

US Petrolon fluids and filtration are tailored to your specific application, whether it be ammonia compressors, air compressors, hydraulic systems, vacuum pumps, gear boxes, rotary equipment, heat transfer fluid, turbines or engines. We can filter reservoirs ranging from a few quarts up to thousands of gallons.

US Petrolon encourages all its clients to develop and implement a comprehensive oil analysis program. This testing becomes the basis for US Petrolon recommendations for proactive maintenance to keep your equipment and fluids in excellent condition.

Since US Petrolon lubricants are stable and do not come out of grade quickly like mineral oils, they can be collected and safely reclaimed through the Reclamation Program. This is both environmentally responsible and provides a good return on investment; new lubricant purchases can be reduced as much as 80%.

USPI STATIONARY FILTRATION SYSTEM

- Removes Solid Contaminates Down to 1 micron
- Removes Free and Entrained Water in Oil
- Removes Solids Associated with Varnish
 - *(will not remove varnish already adhered to surfaces)
- Extends Oil and Equipment Life
- Reduces Costs Associated with Maintenance
- Increases Equipment Productivity
- Reduces Energy Consumption

88 SERIES SPECIFICATIONS

- (1-4) Chrome-Plated Steel Housing(s)
- Pump (sized to reservoir): 0.5 - 12 GPM
- Motor (sized to application): 1/3 - 1 HP
 - Standard 115/230 V 1Ph Components
 - Optional 230/460 3 Ph, TEFC or Wash-down
- Rigid Steel Piping
- Flow Meter (sized to unit): 1-20 GPM
- Pressure Gauges to Monitor Element Pressures
- Oil Drain and Air Bleed Valve(s)
- Suction-side Sight Glass
- Push-Button Oil Sampling Probe
- 60 Mesh SS Y-Strainer
- Dimensions (for 88S): 24"W x 14"D x 45"H
- Weight (varies by unit): ~85- 185lbs.
- FILTER ELEMENTS SOLD SEPARATELY

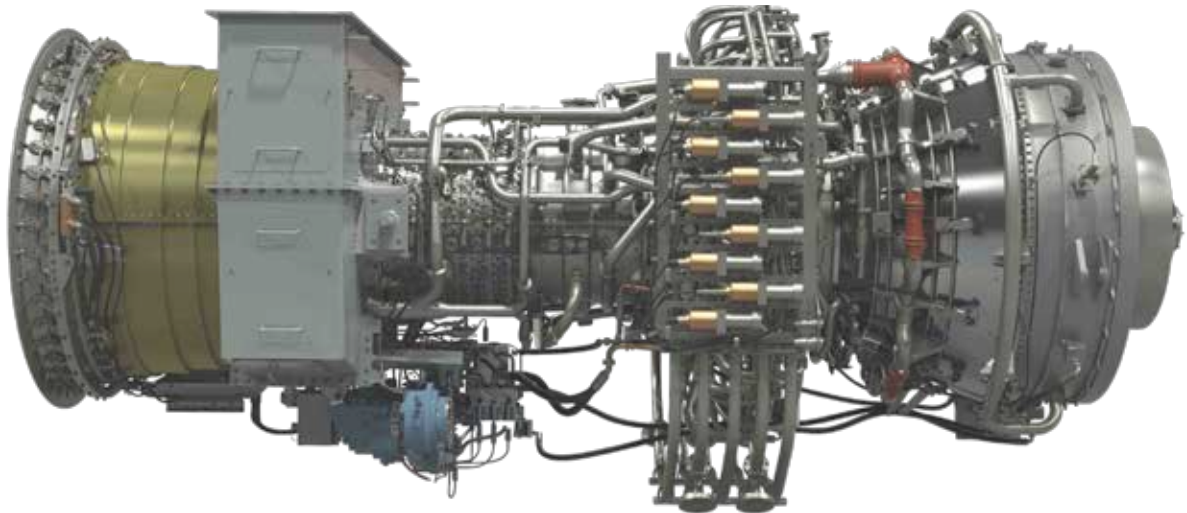


USPI 88S pictured

CONTAMINATION REMOVAL

Contamination is the enemy of your turbine systems. Water can degrade oil, leading to metal deterioration, while wear causing particulate accelerates wear on vital system parts. The presence of these contaminants in turbine lubes increases downtime, labor costs and oil disposal. The USPI Turbine Filtration Systems are designed as a maintenance-free solution to your oil-water problems. The superior oil-water separation is achieved with the patented USPI depth and water removing filter elements.

There are various options available, depending on requirements, that can be built into each unit, such as stainless steel canisters and components, wash-down motors with single or three phase voltage.



For: LM Series Turbines, Steam Turbines and Hydraulic/Lube Oils

USPI STATIONARY FILTRATION SYSTEMS

USPI 88S

Standard Voltage: 115/230V 1Ph

Motor: TEFC or Wash-Down

Pump: 1 or 2 GPM

Filter: (1) USPI Depth

Dimensions: 24" W x 14" D x 45" H

Weight: 85 Pounds

10-120 Gallons



USPI 88D

Standard Voltage: 115/230V 1Ph

Motor: TEFC or Wash-Down

Pump: 2 or 4 GPM

Filters: (2) USPI Depth

Dimensions: 24" W x 14" D x 45" H

Weight: 125 Pounds

121-360 Gallons



USPI 88Q

Standard Voltage: 115/230V 1Ph

Motor: TEFC or Wash-Down

Pump: 8 to 12 GPM

Filters: (4) USPI Depth

Dimensions: 24" W x 14" D x 68" H

Weight: 185 Pounds

361-720 Gallons



USPI DEPTH FILTERS

Contamination Removal

US Petrolon's depth filter elements are the best way to improve equipment cleanliness levels. US Petrolon utilizes a patented non-channeling element design. This improves filtration by forcing oil through a wound filter media, thus preventing fluids from bypassing the filter element. As a result, US Petrolon filters remove virtually all contaminants 1-3 microns and greater in the fluid.

Abundance of Options

US Petrolon's depth filter elements can be used for a variety of applications, including hydraulic systems, gear boxes, turbines, and refrigeration systems. US Petrolon's elements work with mineral base stock oils, semi-synthetic & synthetic oils, gear/lube oils, transformer and quench oils, water glycol fluids, water-based EDM fluids and coolants as well as a host of other applications. USPI offers a standard filter for temperatures up to 250°F and a HIGH temperature option for temperatures up to 350°F.



USPI AFA-3

Depth Filter
1-3 Micron Rating
Holds 14 lbs. of Solids
Holds 5 Quarts Water
40 psig Differential Life

USPI Name	Product Description	Price
USPI 88S	Single Canister Stationary Filter	RFQ *
USPI 88S-WD	Single Canister Stationary Filter, Wash-down	RFQ *
USPI 88D	Dual Canisters Stationary Filter	RFQ *
USPI 88D-WD	Dual Canisters Stationary Filter, Wash-down	RFQ *
USPI 88Q	Quad Canisters Stationary Filter	RFQ *
USPI 88Q-WD	Quad Canisters Stationary Filter, Wash-down	RFQ *
USPI AFA-3	Hydraulic Depth Element 1-3 Microns	\$85.00 ea

USPI FILTRATION = RETURN ON INVESTMENT

US Petrolon's depth filtration systems provide a rapid return on investment by significantly improving oil cleanliness levels (water and particulate), leading to increased fluid and equipment life. USPI's patented, non-channeling element design improves filtration by forcing oil through a wound filter media, preventing fluids from bypassing the filter element. As a result, USPI's depth filters remove contaminants 1-3 microns and greater in the fluid, while also removing up to 5 QUARTS of water and 14 POUNDS of solid contaminate per element.

* Each unit is custom-built to application specifics

USPI STATIONARY FILTRATION SYSTEM FOR LARGE RESERVOIRS

- Removes Solid Contaminates Down to 1 micron
- Removes Free and Entrained Water in Oil
- Removes Solids Associated with Varnish
 - *(will not remove varnish already adhered to surfaces)
- Extends Oil and Equipment Life
- Reduces Costs Associated with Maintenance
- Increases Equipment Productivity
- Reduces Energy Consumption

98 SERIES SPECIFICATIONS

- (1-4) Powder Coated Steel Housing(s)
- Pump (sized to reservoir): 11 -44 GPM
- Motor (sized to application): 1.5-5 HP
 - Standard 230/460 3 Ph Components
 - Optional, 230 V 1Ph TEFC, XP or Wash-down
- Rigid Steel Piping
- Flow Meter (sized to unit): up to 50 GPM
- Pressure Gauges to Monitor Element Pressures
- Oil Drain and Air Bleed Valve(s)
- Suction-side Sight Glass
- Push-Button Oil Sampling Probe
- Oil Flow Loop
- Boom to Install/Remove Filter Elements
- Dimensions (for 98S): 20"W x 20"D x 55"H
- Weight (varies by unit): ~200lbs. per skid
- FILTER ELEMENTS SOLD SEPARATELY



USPI 98S pictured

USPI 98 SERIES FILTRATION SYSTEMS

USPI 98D

Standard Voltage: 230/460V 3Ph

Motor: TEFC, Wash-Down or XP

Pump: 22 GPM

Filter: (6) USPI Depth

Dimensions: 40" x 40" D x 55" H

OR 20" x 60" D x 55" H

Weight: 350 Pounds

1,100-1,900* Gallons



USPI 98T

Standard Voltage: 230/460V 3Ph

Motor: TEFC, Wash-Down or XP

Pump: 30 GPM

Filter: (9) USPI Depth

Dimensions: 40" x 40" D x 55" H

OR 20" x 80" D x 55" H

Weight: 750 Pounds

1,800-2,600* Gallons



USPI 98Q

Standard Voltage: 230/460V 3Ph

Motor: TEFC, Wash-Down or XP

Pump: 44 GPM

Filter: (12) USPI Depth

Dimensions: 40" x 60" D x 55" H

OR 20" x 100" D x 55" H

Weight: 950 Pounds

2,400-3,900* Gallons



*Approximations based on Fluid Viscosity & Temperature

USPI DEPTH FILTERS

Contamination Removal

US Petrolon's depth filter elements are the best way to improve equipment cleanliness levels. US Petrolon utilizes a patented non-channeling element design. This improves filtration by forcing oil through a wound filter media, thus preventing fluids from bypassing the filter element. As a result, US Petrolon filters remove virtually all contaminants in the fluid down to 1-3 microns.

Abundance of Options

US Petrolon's depth filter elements can be used for a variety of applications, including hydraulic systems, water-glycol, gear boxes, turbines, and refrigeration systems. US Petrolon's elements work with mineral base stock oils, semi-synthetic & synthetic oils, gear/lube oils, transformer and quench oils, water glycol fluids, water-based EDM fluids and coolants as well as a host of other applications. USPI offers a standard filter for temperatures up to 250°F and a HIGH temperature option for temperatures up to 350°F.



USPI 500AFA-3

Depth Filter

1-3 Micron Rating

Holds ~60 lbs. of Solids

Holds ~24 Quarts Water

40 psig Differential Life

USPI Name	Product Description	Price
USPI 98S	Single Canister Stationary Filter System	RFQ *
USPI 98D	Dual Canister Stationary Filter System	RFQ *
USPI 98T	Triple Canister Stationary Filter System	RFQ *
USPI 98Q	Quad Canister Stationary Filter System	RFQ *
USPI 500AFA-3	Hydraulic Depth Element 1-3 Microns	\$400.00 cs

* Each unit is custom-built to application specifics. This includes single or three phase, wash-down or explosion proof motors with or without start/stop switches.

USPI FILTRATION = RETURN ON INVESTMENT

US Petrolon's depth filtration systems provide a rapid return on investment by significantly improving oil cleanliness levels (water and particulate), leading to increased fluid and equipment life. USPI's patented, non-channeling element design improves filtration by forcing oil through a wound filter media, preventing fluids from bypassing the filter element. As a result, USPI's depth filters remove contaminants in the fluid down to 1-3 microns, while also removing approximately 20-25 QUARTS of water and 50-60 POUNDS of solid contaminants per 98 canister.

US PETROLON COMMITMENT

We are committed to the following:

- Operating with integrity in all aspects of our business
- Providing a level of service to our clients that simply cannot be matched
- Making a positive environmental impact in our markets
- Maintaining a long-term presence in the markets where we operate
- Cooperating closely with our counterparts in client companies to find and develop new and innovative solutions to our customer's problems in the area of lubrication and filtration



IMPROVING MACHINERY LIFE
WITH LUBRICATION AND FILTRATION



LINCOLN, NEBRASKA

800.755.4572

sales@uspetrolon.com

447 North 66th Unit 3 Lincoln, NE 68505

VISIT OUR WEB SITE

www.uspetrolon.com