

## USPI Gearbox Filtration System

- Removes moisture (up to 5 qts per element)
- Removes solid particles 1-3 $\mu$  and above (up to 12-14 lbs per element)
- Protects and preserves oil additive package
- Reduces operating temperature
- Significantly extends equipment and fluid life

CHROME-PLATED STEEL HOUSING(S)

POWDER-COATED STEEL MOUNTING BRACKET(S)

POWDER-COATED STEEL METAL FRAME

STAINLESS STEEL PIPING

MOTOR SIZED TO UNIT (UP TO 1.5 HP)

PUMP SIZED TO RESERVOIR (0.5-12 GPM)

USPI 88S PICTURED

PRESSURE GAUGES TO MONITOR ELEMENT PRESSURES

AIR BLEED VALVE(S)

FLOW METER (NOT SHOWN) SIZED TO UNIT (1-20 GPM)

PRESSURE RELIEF VALVE

DRAIN VALVE

OIL SAMPLING PORT

60 MESH SS Y-STAINER

## Stationary Filtration<sup>for</sup> Gearboxes

Contamination that leads to machinery failure and downtime is a constant threat in dirty and wet gearboxes. Although gear/lube oils are designed to lubricate and cool the gear surfaces under high pressures, keeping the oil clean is crucial for extending equipment life. Add a dedicated USPI filtration system to your gearbox to eliminate contamination problems and maximize life.

### UNITS:

88S for Reservoirs ~ 1-60gal

88D for Reservoirs ~ 60-120gal

88T for Reservoirs ~ 90-180gal

88Q for Reservoirs ~ 120-240gal

88Q+ for Reservoirs ~ 180-480gal

custom engineered options available



### USPI GO Filter Element

- Removes solid particles 3-5 microns and larger
- Holds up to 12-14 lbs of solids per element
- Holds up to 5 qts of water per element

SOLD SEPARATELY

maximize your **USPI Gearbox Filtration System** with...



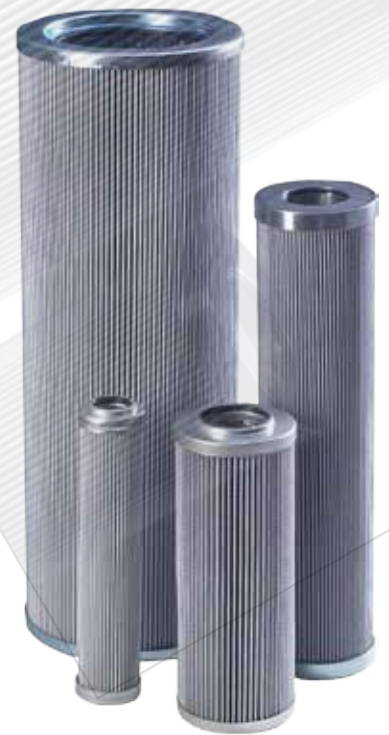
## USPIFLUIDS

USPI offers a complete line of custom-formulated synthetic and semi-synthetic lubricants designed for the operating conditions found in gearboxes. H-1 food grade and non-food grade options available.



## OILSAMPLING

USPI provides free comprehensive quarterly oil analysis with the purchase of our gearbox lubricants. Independent oil analysis will help you make condition-based decisions in a predictive-proactive maintenance program.



## OEMFILTERS

USPI offers OEM replacement filters for gearboxes that meet or exceed manufacturer specifications at significantly lower costs.

# USPI 88S

1 Depth Filter



## PHYSICAL DATA

18.25"W x 46"H x 18"D  
Weight: 85 lbs

## PARTICULATE RETENTION

12-14 lbs typical

## WATER RETENTION

5 qts typical

## ELECTRICAL SPECS

Motor: 0.3HP or 0.5HP 120V 1Ph  
or 230/460V 3Ph  
Pressure Relief Valve: 50 or 70 PSI

## PUMP SPECS

0.5, 1, or 2 GPM rotary gear  
(3500 PSI positive displacement)

# USPI 88D

2 Depth Filters



## PHYSICAL DATA

24"W x 51"H x 18"D  
Weight: 135 lbs

## PARTICULATE RETENTION

24-28 lbs typical

## WATER RETENTION

10 qts typical

## ELECTRICAL SPECS

Motor: 0.3 to 0.75HP 120V 1Ph  
Pressure Relief Valve: 50 or 70 PSI

## PUMP SPECS

1, 2, 4, or 6 GPM rotary gear  
(3500 PSI positive displacement)

# USPI 88Q

4 Depth Filters



## PHYSICAL DATA

24"W x 67"H x 18"D  
Weight: 215 lbs

## PARTICULATE RETENTION

48-54 lbs typical

## WATER RETENTION

20 qts typical

## ELECTRICAL SPECS

Motor: 0.75 to 1.5HP 120V 1Ph  
Pressure Relief Valve: 50 to 70 PSI

## PUMP SPECS

6 to 12 GPM rotary gear  
(3500 PSI positive displacement)