



Gear Boxes

Hydraulic Systems

Lube Oil Systems

FilClean™ S-HD

Heavy Duty Filter Skid

A REVOLUTION IN LUBE AND HYDRAULIC WATER AND PARTICULATE CONTAMINATION CONTROL !

The FilClean S-HD filtration system is a turnkey heavy duty, easy to install filter skid designed as an upgrade for the purification of gear boxes and other small lube and hydraulic reservoirs in the 5-150 gallon range. However unlike typical filter skids the FilClean S-HD not only provides improved particulate cleanliness of Lube and Hydraulic Oil but also allows for quick connection of the revolutionary new Phoenix mini membrane oil dehydrator (sold separately). This capability not only provides continuous removal of particulate but also as needed removal of free, emulsified and dissolved water down to less than 50 ppm. The quick disconnect feature allows the Phoenix Membrane Dehydrator to be used and moved among many different systems throughout a plant.

QUALITY AND DURABILITY

The FilClean S-HD is rugged and compact and designed for environments such as outdoors on the roofs of Cooling Towers or washdown areas of Paper Plants. It is engineered with a corrosive resistant Powder coated Frame, a 110/220V Baldor Washdown Duty Motor (Explosion Proof Optional), High Quality Viking Gear Pump and Low Pressure Drop/Long Life Filters.

Simply Put - It is built to perform and to last !



Easy 5 Gallon Bucket Access for clean and easy filter element replacements!

- * Nema 4 or Optional Hazardous Duty Single Phase Electric 110/220V
- * Nema 4 or Option Hazardous Duty Single Phase On/Off Switch included.
- * Corrosion Resistent Powder Coated Aluminum Frame and Mounting Plate.
- * Filter Plugged DP Indicator Standard
- * Variety of Filter Element and Micron Rating options.
- * Washdown Duty Baldor Motor Standard
- * High Quality Viking Gear Pump Standard
- * Flow 1 GPM (Others Available Upon Request)
- * Oil Sample Valve Included
- * Filter Block Valves included
- * Quick disconnects and flow diverting throttle valve for temporary handcarry Phoenix mini dehydrator installation. Provides permanent filtration with portable handcarry water removal dehydration capability.



Before and After Field Results Gear Oil



Portable Handcarry Phoenix Mini Oil Dehydrator Sold Separately

Specifications

FilClean SHD -Features

Standard Flow Rate:

1 gpm (others available upon request)

Maximum Pressure Ratings:

5 Psig Inlet, 10 Psig Outlet

Maximum Oil Viscosity:

3000 cSt

Oil Compatibility

Low Volatile Mineral Oils and Phosphate Ester

Electrical:

Nema 4 Standard

110V or 220V Single Phase

10 Amps Max

Motor - 1/2 HP Wash-Down Duty

(Explosion Proof Optional)

Class 1, Group D, Class II Group F&G, T3C

Weight & Dimensions:

L24" X W36" X H36"

90 LBS

Filter Micron Rating Availabilities:

8 or 4 Micron Beta 2000 or Spin On

Connections:

3/4" Male JIC Inlet and Outlet



Potential Applications/Industries

Power Generation

- * Combustion Turbine Lube
- * Coal Mill Gear Boxes
- * Conveyor Gear Boxes
- * Boiler Feed Pump Lube
- * EHC Control
- * Cooling Tower Gear Boxes
- * Scrubber Equipment Gear Boxes

Food and Beverage

- * Conveyor Gear Boxes

Agriculture

- * Conveyor Gear Boxes

Pulp and Paper

- * Wet end/dryer lube
- * Press section lube and hydraulics
- * Boiler Feed Pump lube
- * Cooling Tower Gear Boxes

Primary Metals

- * Roll mill gear and pinion lube

Transportation

- * Ship Board Hydraulic-Lube

Light Industrial

- * Blow Molding Hydraulic
- * Machine Tool Hydraulic
- * Injection Molding
- * Automotive transfer line Hydraulic Oil

Fuels and Chemical

- * Extruder Gear Boxes
- * Compressor Lube
- * Boiler Feed Pump Lube
- * Offshore Drilling Platforms

Ordering Information

FC-SHD-

TABLE 1	TABLE 2	TABLE 3
Filter	Voltage	Electric

Table 1: FILTER Beta 2000

DN7	BLUE SPIN ON 7 UM
DN4	BLUE SPIN ON 4 UM

Table 2: VOLTAGE

110	110V SINGLE PHASE 60 HZ
220	220 V SINGLE PHASE 50 HZ

Table 3: ELECTRIC

N4	NEMA 4 CONTROLS
HZ	CLASS 1 GROUP C&D CLASS 2 GROUP F&G

MSC FILTRATION TECHNOLOGIES

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Disclaimer

Membrane Diagram is illustrative. Membrane is not claimed to be defect free and there may be slight oil carry over to the vacuum side. This does not however effect the performance or many benefits of the Phoenix Purifier. Effective Water removal is multi-pass.

FCSHD-REV2-10122015KB