



## RECLAIMING AND FILTERING OILS SINCE 1981

The Ultimate oil filtration carts can filter most fluids cleaner than brand new fluid. The cellulose depth-type filter media will remove water and the majority of the solid particulates from oils. Used for hydraulic oils, diesel fuels, transformer oils, turbine oils, transmission fluids, gear oils, and other types of lubricating oils.



**Model 87S-5-ABB-T (5 GPM)**

### All models include:

Black powder coated heavy duty bolt down cover housing(s), filter, ABB= motor starter with under voltage trip & overload protection, Square D Hi / Lo pressure switch for safety shut down or OF= manual On/OFF switch. Pressure gauge to help monitor filter life, power cord, electric motor c-faced to a gear pump with internal relief valve, set of 14 foot hoses, hose holders and portable cart with wheels.

### How do the recirculating portable systems work?

The systems are designed to remove water and the majority of the solid particles from non-water-based fluids (coolant elements are available for water-based fluids). Simply place the suction hose and return hose into a tank and turn the motor ON. The fluid will be drawn out of the tank by the pump and filtered through a depth-type filter element where the free and emulsified water is absorbed and solid particles are trapped by the filter element. After filtration, the fluid exits the housing and is returned back into the tank. The longer the fluid is filtered the cleaner it will become.

### Can the systems be used for different fluids?

Yes, these systems are very versatile. You can filter low viscosity fluids like diesel fuel or hydraulic fluid (ISO 32-100) or gear oils (ISO 150-460) with the same machine.

### Who's using our portable systems?

Our systems are used by Caterpillar, Cummins, U.S. Navy and many other companies who are interested in lowering their fluid purchases, fluid disposal fees and extending the life of their equipment and machinery.

### PRODUCT FEATURES AND BENEFITS:

- \* Removes free and emulsified water from non-water-based fluids
- \* Removes the majority of the solid particles from the fluid
- \* Can filter many different types of fluids: diesel fuel, bio-diesel fuel, vegetable oil, cooking oil, hydraulic fluid, transmission fluid, brake fluid, turbine oil, transformer oil, gear oil, water glycol, coolants, cutting fluids, & more
- \* Depth-type filters available in 3-micron to 15-micron size range.
- \* Easy to operate and move from location to location.
- \* Can achieve fluid cleanliness levels that could not be reached by others.
- \* Fewer disposal fees, fewer fluid purchases and longer machine life.



87S-5-ABB-T



87SB-5-OF



87D-8-ABB-T

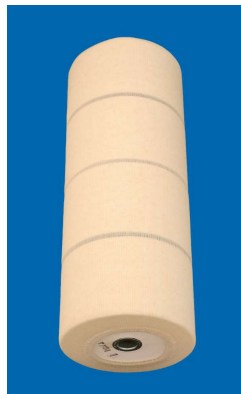


87DB-8-OF

MODEL	FLOW RATE	DIMENSIONS	WEIGHT	MOTOR HP	OIL TYPE	FILTER#	MICRON RATING
87S-1	1 GPM	28" X 50"	150LBS	1 HP-120VAC	Gear Oil (ISO 320-460)	#7548	15-MICRON
87S-3	3 GPM	28" X 50"	150LBS	1 HP-120VAC	Gear Oil (ISO 150-220)	#7546	7-MICRON
87SB-3	3 GPM	28" X 50"	200LBS	1 HP-120VAC	Gear Oil (ISO 150-220)	#7546	7-MICRON
87S-5	5 GPM	28" X 50"	150LBS	1 HP-120VAC	Hydraulic Oil (ISO 32-100)	#7534	3-MICRON
87SB-5	5 GPM	28" X 50"	200LBS	1 HP-120VAC	Hydraulic Oil (ISO 32-100)	#7534	3-MICRON
87D-3	3 GPM	28" X 50"	200LBS	1 HP-120VAC	Gear Oil (ISO 320-460)	#7548	15-MICRON
87D-5	5 GPM	28" X 50"	200LBS	1 HP-120VAC	Gear Oil (ISO 150-220)	#7546	7-MICRON
87D-8	8 GPM	28" X 50"	200LBS	1 HP-120VAC	Hydraulic Oil (ISO 32-100)	#7534	3-MICRON
87DB-8	8 GPM	28" X 50"	275LBS	1 HP-120VAC	Hydraulic Oil (ISO 32-100)	#7534	3-MICRON

**Optional Items:**

1. Suffix B= Pre-filter bag housing installed on the suction side of the pump to help protect the gear pump against wear and extend the life of the depth-type filters.
2. Suffix ABB= Motor starter with Hi/Lo pressure switch automatic shut off.
3. Suffix OF= Manual On/Off switch only
4. Suffix T= Fluid transfer only capability
5. Suffix V= Volume control valve
6. Other motor voltages available



Cellulose Depth-type Filter Media  
Dimensions: 7" x 19 3/4"

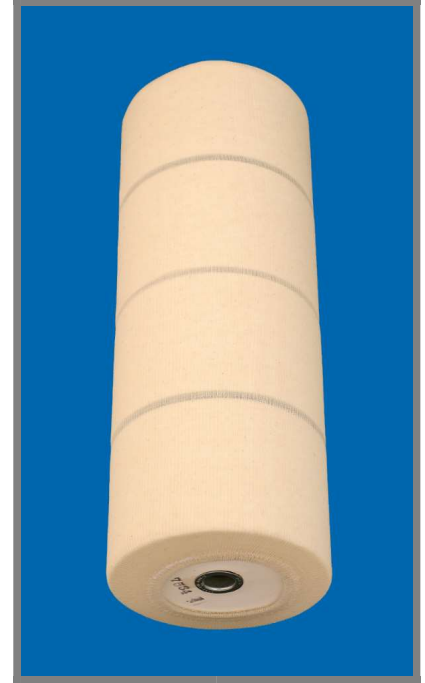
#7534 - 3-Micron. Filter Performance B3<(c)=150  
#7546 - 6-Micron. Filter Performance B7<(c)=200  
#7546 -12-Micron. Filter Performance B15<(c)=200  
All filters Solid Holding Capacity: 8-10Lbs each  
All filters Water Holding Capacity: 1 Gallon each



## CELLULOSE DEPTH-TYPE FILTER

- \* Axial flow between layers of media
- \* Creped cellulose with interlocking layers to remove solids efficiently
- \* Performance to B<3(c) = 150, B<7(c) = 200, B<15(c) = 200 (Per ISO16889)
- \* Very high solid-holding capacity: 8-10lbs per filter
- \* Removes water, bacteria, algae, microbes, dirt, rust, and other solids
- \* Can achieve very low ISO cleanliness levels
- \* High water holding capacity: 1 gallon per filter
- \* Will absorb free and emulsified water
- \* Can maintain water levels to 50ppm
- \* Inexpensive high-quality product
- \* Long filter life: will last many times longer than conventional pleated paper filters
- \* Most conventional filters will not remove water

DEPTH-TYPE FILTRATION IS KNOWN TO BE THE MOST EFFICIENT FILTERING TECHNIQUE.



Pre-filter bag housing with a 5-micron nominal rated polyester felt bag installed on the suction side of the gear pump to help extend the life of the pump and the depth-type filter element.

