

# Portable Filter Carts for Any Purpose



## 3.5 gpm to 15 gpm multipurpose carts

### What fluids could benefit from a HILCO Filter Cart?

HILCO makes portable filters for many different fluids, including:

- Mineral-based lubricating, hydraulic, and insulating oils
- Synthetic lubricating and hydraulic (EHC) fluids
- Fuel oils, kerosene, gasoline
- Ethylene glycol mixes
- Solvents
- Coolants and cutting oils
- Vacuum pump oils

### What can be done with the fluids?

HILCO offers a wide variety of cartridges to serve many different purposes:

- PL and PH series cartridges to remove particulate down to  $BETA_1=200$ .
- PD series dryer cartridges to remove particulate and water.
- Conditioning cartridges filled with activated alumina, fuller's earth, Selexsorb, or ion exchange media to serve many purposes such as acid reduction in synthetic fluids and varnishing effects of mineral oils.

## HP4 Off-line Portable Filtration System

**Purpose:** Economical solution for removing water and particulate from oils, fuel and other fluids

### Features:

- Filter housing: Heavy-duty aluminum construction, houses one HILCO o-ring sealed filter element; SAE inlet and outlet ports; vent cock and drain valve included.
- Pumps: Positive displacement gear type rated to 4 gpm. Pumps feature an internal relief valve set at 60 psi.
- Motor and electrics: Wired 115V, 60 Hz, 1/3 hp motor; NEMA 1 switch with thermal overload protection; 7-foot electric cord.
- Piping: pressure gauge included.
- Filter can be used as a mounted unit. High viscosity unit (HP3B) available.



## Special Portable Filters

**Purpose:** Conditioning fuel oil, kerosene, gasoline, and other volatile fluids

### Special Optional Features:

- ASME Code Filter Housings: Filter housings are pressure containment vessels. Depending on application and size, certain jurisdictions (state, federal, OSHA, etc.) may require the housings be constructed to ASME Boiler and Pressure Vessel Code. HILCO, an ASME certificate holder, can offer this option at minimal cost.
- Brass, Non-Sparking, UL Listed Pumps: For fuel applications, this is a necessity.
- Explosion-Proof Electrics: Motors and wiring to meet most Class and Division requirements.
- Air Driven Diaphragm or PD Pump: Where compressed air is available and electric motors are not desirable.
- Stainless Filter Housings: For corrosive environments.



### Portable Filter for Synthetic Fluids

**Purpose:** Conditioning synthetic lubricating hydraulic fluids (see also PFS-3)

#### Features:

- Filter housing: Carbon steel construction, standard gray paint; houses one (3.5 gpm) or two (10 gpm) HILCO 718 filter cartridges; sealed cover with Viton o-ring; vent cock and drain valve included.
- Pumps: same as standard, except with Viton seals.
- Motor and electrics: same as standard.
- Piping: same as standard.
- Special: Painted with epoxy coating which is compatible with many phosphate ester fluids.

## Other HILCO Portable Units

### Multiple Stage Units

**Purpose:** Acid reduction as well as particulate removal. Multiple stages accomplish different purposes in a single pass.

**Features:** Available with all features and options of other portable filters. Mounted on a four-wheel dolly with drip edge.

### Over-the-Road, Trailer-Mounted Units

**Purpose:** For those who treat fluids at different locations, these units can be towed to the site for use.

**Applications:** By using HILCO Dryer cartridges (PD series), off-site conditioning of transformer oils can be accomplished. PD cartridges will remove water and particulate from the fluids. Available with pumps to 50 gpm.

*The Hilliard Corporation reserves the right to change specifications and dimensions at any time.  
Please contact the factory for the most current information.*

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