

# Compact Filtration Units

## Electric

1 HORSEPOWER MOTOR  
with TEFC Frame -115VAC

1, 2.5 ,5 or 10 GPM  
Pump(s)

25Ft Electric Cord Reel  
Water Removal Pre-Filter  
3um Absolute Filter  
Differential Visual Indicators  
7Ft Transfer Hoses/Quick Disconnects  
(3/4" Suction & 1/2" Discharge Hoses)

#CEYWR35SHSQ25R Shown



When space is limited for use or for storage, our Compact Series Units are appealing in both style & performance. The electric cart has all of the same features as our other filter carts, except the frame on this filter cart is smaller with a folding handle for storage.

## Cube

Our "Cube" is the smallest and lightest portable compact unit for this much horsepower. This unit has a 1HP motor, but air operated units are also available.

Everything fits inside the 15" x 11" x 17" high frame, including two 7ft transfer hoses with quick disconnects.

#CUY305SHSQ3P  
Shown in all 3 pictures



IF YOU DO NOT SEE THE FRAME OR FEATURES YOU NEED, PLEASE CALL US. WE SPECIALIZE IN CUSTOM MANUFACTURING.

## Air Operated

#CAYWR3DASHSQNC

Shown Left

14" x 16" x 18"  
18Lbs



The smallest & lightest of our portable units, so far...

#CAYWR3M5SHSQNC  
Shown Right.



Not many filter units can compare to the size or performance of our hand held air power filter unit. It has variable flows, water removal pre-filter and a 3um Absolute secondary filter, all in a small compact package.

## Detachable Cube Frame

NEW



Here's one of the most practical filter carts made! It's one of our Cube Units (left) and a larger frame for portability. When the Cube is on the cart it has a cord reel, larger filters and a 25ft outlet hose. When it's detached (with a single pin) it is one of our stand alone Cube units. Two filter carts for large and small jobs!

#COD5WR3NPZHSSQ25R Shown Above

When the CUBE is pinned to the Detachable Cart, it has a 25ft outlet hose and larger filters, not to mention the 25ft electric cord reel. When it's detached, the CUBE is a self contained compact filtration system all by it's self. Great for mobility and practicality!

# Technical Data

## ALL STANDARD PRODUCTS:

### Filter Elements:

Water removal filter elements are 10 micron nominal.

1um, 3um, 6um, 10um and 25um Absolute Filters are all 99.5% efficient or  $B^*=200$  and high capacity.

All Y2K filters have true differential filter indicators.

### Pumps:

Air Motor close coupled pump oils with a viscosity of 3000SUS maximum

Air/Oil operated pumps rated at 100,000sus.

All pump flow ratings published in our catalogs are nominal. Actual flow rates will vary with temperature and oil viscosity.

### Quick Disconnects:

Standard quick disconnects meet ISO724-1 Series B Dimensional Requirements other sizes and types are also available upon request.

\* All filtrations systems are serialized and shipped with owner/operator manuals and are shipped completely assembled & ready for use.

## OPTIONS FOR CARTS

GFCI Outlet plug on power cord or removable type with male & female 3-prong plugs

Digital Flow Meter/Totalizer can be used to assign oil total usages or consumption amounts

On-Line or Portable Particle Counters for oil condition monitoring

On-Line or Portable Water in oil Meter

Special paint colors (for color coding oil types or departments or other standards)

Oil sample ports are located upstream and downstream of filters

Bypass valve, bypasses oil around filters

Flow meters provide visual verification of pump flow rates, various styles available.

Magnetic Filter Wraps are reusable wraps for applying on filter elements to trap ferrous metals.

Suction Strainers are usually 149 mesh and used to protect pumps from larger particles.

Timer Controls can be used to turn filtration systems "on or off" or off after a selected time period.

Most all of our products can be color coded.

### DRUM CARTS

Weight Approx. 125Lbs. Ships on pallet, via truck carrier.

### UTILITY CARTS

Weight Approx. 130Lbs. Ships on pallet, via truck carrier.

### HAND TRUCK CARTS

Weight Approx. 75Lbs. Ships on pallet, via truck carrier.

### MEDIUM CAPACITY

Weight Approx. 100Lbs. Ships on pallet, via truck carrier.

### PANEL UNITS & FILTER CUBES

Weight Approx. 60-65Lbs. Some can ship via UPS others ship on pallet, via truck carrier.

### HIGH CAPACITY CARTS

Weight Approx. 130Lbs. Ships on pallet, via truck carrier.

### T30 SERIES TOTES

Weight Approx. 80Lbs. Ships on pallet, via truck carrier.

### FLUID COMPATIBILITY

All standard products are compatible with most petroleum based oils (hydraulic oils, gear oils, turbine oils, transformer oils, motor oils, and such). If you are unsure, call us with your specific fluid and we can identify & ensure fluid compatibility. We can manufacture products for specialty fluid types.

# MODEL CODES

We manufacture one of the world's largest varieties of filtration systems, and there are many options for our standard products if you don't see what you are looking for give us a call.

## Filter Unit Frame Style

- CA** ----- Compact Air Operated Frame (Hand Carried)
- CE** ----- Compact Electric Frame (Cart has plastic wheels & folding handle)
- CH** ----- Cube Unit Hand Truck (For Transporting Cube Below)
- CU** ----- Cube Unit Compact & Portable, or Transport with the above frame
- DC** ----- Drum Handling Cart (Drum Handling and filter cart all in one)
- DFP** ----- Dakota Fluid Power Filter Cart (Has HMK05 filters)
- GB** ----- (Design Pending)
- GP** ----- Gas Powered Filter Cart Frame
- HC** ----- (Design Pending)
- HH** ----- Hand Held Filter Unit (Unit can only have one 5" low pressure element)
- HT** ----- Hand Truck Filter Cart (Steel frame pneumatic wheels)
- PA** ----- Panel Unit with Air/Oil Heat Exchanger
- PT32**----- Portable Tote with 32 gallon oil tank
- PT70**----- Portable Tote with 70 gallon oil tank
- PT32/32**- Portable Tote with two 32 gallon oil tanks
- PU** ----- Panel Unit Frame (Can be mounted on wall or shelf)
- PV** ----- Panel Unit Frame (For Vertical Mounting to wall)
- PW** ----- Panel Unit with Water/Oil Heat Exchanger
- SM** ----- Design Pending
- SS** ----- Skid Steer Filtration System (for filtering oils in skid steers & testing aux. Pump)
- T3** ----- 30 Gallon Steel Tote (Filter Cart and 30 gallon Tote all in one)
- T7** ----- Design Pending
- TH** ----- Tandem Hand Truck Unit (Two sets of filters with a selector valve)
- TU** ----- Tandem Utility Cart (Two sets of filters with a selector valve)
- UC** ----- Utility Cart (Two shelves and two drawers, and a filter cart all in one)
- ZC** ----- Special Constructed Filter Cart

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**Y** ----- Standard Y2K Filter Head (Many other manufacturers available if required)

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## Pre-Filter Type

- 0** ----- No Filter Element
- 1** ----- 1 Micron Absolute Pre-Filter B1=200 (Replacement #P10071)
- 3** ----- 3 Micron Absolute Pre-Filter B3=200 (Replacement #P1007)
- 6** ----- 6 Micron Absolute Pre-Filter B6=200 (Replacement #P1011)
- 10**----- 10 Micron Absolute Pre-Filter B10=200 (Replacement #P1024)
- 25**-----25 Micron Absolute Pre-Filter B25=200 (Replacement #P1010)
- 149**----- 149 Mesh Pre-Filter Filter (Disposable) (Replacement #P149)
- MF**----- Design Pending
- WR**----- Water Removal Element (Replacement #P1008)
- WRL**----- Extended Length Water Removal Element (Replacement #P1008L)
- ZE**----- Special Pre-Filter Element

## Secondary Filter Type

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- 0** ----- No Filter Element
  - 1** ----- 1 Micron Absolute Pre-Filter B1=200 (Replacement #P10071)
  - 3** ----- 3 Micron Absolute Pre-Filter B3=200 (Replacement #P1007)
  - 6** ----- 6 Micron Absolute Pre-Filter B6=200 (Replacement #P1011)
  - 10**----- 10 Micron Absolute Pre-Filter B10=200 (Replacement #P1024)
  - 25**-----25 Micron Absolute Pre-Filter B25=200 (Replacement #P1010)
  - 149**----- 149 Mesh Pre-Filter Filter (Disposable) (Replacement #P149)
  - MF**----- Design Pending
  - WR**----- Water Removal Element (Replacement #P1008)
  - WRL**----- Extended Length Water Removal Element (Replacement #P1008L)

## Power Source

- NP**----- No Power Source or Pump
- 1**----- 1GPM Pump & 115VAC-TEFC-1HP Electric Motor
- 2**----- 2.5GPM Pump & 115VAC-TEFC-1HP Electric Motor
- 5**----- 5GPM Pump & 115VAC-TEFC-1HP Electric Motor
- 10**----- 10GPM Pump & 115VAC-TEFC-HP Electric Motor
- DA**----- Diaphragm Operated Air Powered Oil Pump (0-15GPM)
- DC1**----- 12Volt DC Battery Pack & 1GPM Pump
- DC2**----- 12Volt DC Battery Pack & 2.5GPM Pump
- DC5**----- 12Volt DC Battery Pack & 5GPM Pump
- E1**----- Explosion Proof Motor (115vac) & Switch with 1GPM Pump
- E2**----- Explosion Proof Motor (115vac) & Switch with 2GPM Pump
- E5**----- Explosion Proof Motor (115vac) & Switch with 5GPM Pump
- E10**----- Explosion Proof Motor (115vac) & Switch with 10GPM Pump
- G5**----- Gas Powered Engine and 5GPM Pump (flow depends on RPM of engine)
- G10**----- Gas Powered Engine and 10GPM Pump (flow depends on RPM of engine)
- HL**----- Hand Pump - Lever Operated
- HR**----- Hand Pump - Rotary Actuated
- M1**----- Air Motor with direct coupled 1GPM Pump (Flow varies by air input)
- M2**----- Air Motor with direct coupled 2.5GPM Pump (Flow varies by air input)
- M5**----- Air Motor with direct coupled 5GPM Pump (Flow varies by air input)
- M10**----- Air Motor with direct coupled 10GPM Pump (Flow varies by air input)
- T1**----- Three Phase 230/460VAC Motor with 1GPM Pump
- T2**----- Three Phase 230/460VAC Motor with 2.5GPM Pump
- T5**----- Three Phase 230/460VAC Motor with 5GPM Pump
- T10**----- Three Phase 230/460VAC Motor with 10GPM Pump
- T20**----- Three Phase 230/460VAC Motor with 20GPM Pump
- T50**----- Three Phase 230/460VAC Motor with 50GPM Pump
- V5**----- Variable Speed Electric Motor (115VAC powered) and 0 to 5GPM Pump
- V10**----- Variable Speed Electric Motor (115VAC powered) and 0 to 10GPM Pump
- V15**----- Variable Speed Electric Motor (230VAC powered) and 0 to 15GPM Pump
- X1**----- Explosion proof 230/460VAC Electric Motor & 1GPM Pump
- X2**----- Explosion proof 230/460VAC Electric Motor & 2GPM Pump
- X5**----- Explosion proof 230/460VAC Electric Motor & 5GPM Pump
- X10**----- Explosion proof 230/460VAC Electric Motor & 10GPM Pump
- ZP**----- Special Power Source or Pump/Motor Combination

## Hoses

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- NH**----- No Hoses
  - SH**----- **Standard 7Ft Clear Hose Suction & Discharge**
  - TH**----- 7Ft Clear Hose Suction and 10Ft Discharge
  - XH**----- 7Ft Clear Hose Suction and 25Ft Discharge
  - WH**----- 7Ft Black Hydraulic Hose Suction and Discharge
  - ZH**----- Special Hose Type or length

## Quick Disconnects

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- CQ**----- CamLock Type Quick Couplers
  - DQ**----- Double Shut Off Wing-Nut Style Couplers
  - FQ**----- Flat Face Quick Disconnects (ISO16028)
  - NQ**----- No Quick Disconnects on end of above hoses
  - SQ**----- **Standard Quick Disconnects (ISO724-1 Series B Poppet Style)**
  - ZQ**----- Special Size, type, or style quick disconnect

## Electric Cord

- NC**----- No Electric Cord or Cord Reel
  - 3P**----- 3Ft Electric Cord with 3 prong plug (pigtail)
  - 25R**----- **Standard 25Ft Electric Cord and retractable cord reel**
  - 30R**----- 30Ft Electric Cord and retractable cord reel
  - 25C**----- 25Ft Electric Cord (not on retractable cord reel)
  - 50C**----- 50Ft Electric Cord (not on retractable cord reel)
  - ZW**----- Special Wire Type, Style or Length
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## Additional Options

- A**-----Alarm for high oil temperature (specify temp setting)
  - B**-----Bypass Valve (bypasses oil around filter elements)
  - C**-----Special Paint Color
  - D**-----Digital Flow Meter/Totalizer
  - F**-----Flow Meter (Visual Type)
  - G**-----Ground Fault Circuit Interrupter
  - H**-----H2O Control Water Saver Valve (for water/oil heat exchanger)
  - MF**-----Magnetic Filter with cleanable rod (mounts in series with filters)
  - MW**-----Magnetic Filter Element Wrap (wraps around spin-on filter elements)
  - N**-----Push button Type Oil Sample Ports (upstream and downstream of filters)
  - O**-----Oil Sample Ports (test points) upstream and downstream of filters
  - P**-----Particle Counter (Pending)
  - S**-----Suction Strainer 149mesh on suction port of pump
  - T**-----Timer Control (on/off and timer shut off switch)
  - W**-----Water Content Monitor
  - Y**-----Yellow Light (Can indicate when plugged in or when cart is turned on)
  - Z**-----Special Option
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### (Left) Example: #HT-Y-WR-3-5-SH-SQ-25R-MF

Hand Truck Frame with pneumatic wheels, Standard Y2K filter heads, water removal pre-filter, 3 micron absolute secondary filter, 5GPM pump with 1HP-115VAC electric motor, standard hoses (7ft clear transfer hoses), standard quick disconnects (poppet type), 25Ft standard electric cord with and magnetic filter wrap. Unit Pictured Left



### (Below) Example: #CU-Y-3-5-SH-SQ-3P

Cube Unit with Y2K filter headr, 3 micron absolute filter, 5GPM pump with 1HP-115VAC electric motor, standard hoses (7ft clear transfer hoses), standard quick disconnects (poppet type), and 3ft pigtail electric cord.

