

Vickers®

## Clean Cart

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**EATON**

### Portable Filtering Transfer Unit

Flows to 28,0 L/min (7.4 USgpm)



**VICKERS**

Released 11/94

# Application Information

## Features and Benefits

- Removes particles and free water from new or used oil to protect system components.
- Portable dolly design allows use anywhere within 25 feet of an electrical outlet.
- Flexible hose adapts to varied applications.
- Sturdy wheels for ease of mobility.
- Bypass relief valve for cart component protection.

## Design Specifications

### Maximum Flow Rating:

28,0 L/min (7.4 USgpm)

### Operating Temperature Range:

-40°C to 107°C (-40°F to 225°F)

### Operating Pressure:

4,5 bar (65 psi)

### Fluid and Seals:

The OFRS-60, H023 and OFR-30 filter options are only designed for use with hydrocarbon or water glycol fluids. The H<sub>2</sub>O-Pro water removing element should only be applied to hydrocarbon based fluids.

The F3-OFR-30 is compatible with hydrocarbon, water glycol and water-in-oil fluids. It is equipped with special seals to handle synthetic fluids such as phosphate esters and oil-water emulsions.

### Dry Weight (approximate):

59 kg (130 lbs)

## General Data

Vickers Clean Cart provides filtration flexibility. It can be used with in-plant machinery, or taken on site for use with mobile equipment. An electrical connection is all that is required to operate this convenient filter and transfer unit.

The Clean Cart provides filtration, flushing, and transfer of oil from bulk containers to the hydraulic reservoir (or vice versa) and can even be used to filter the system fluid while the machinery is in operation.

The reliable Clean Cart filtration system incorporates a hydraulic pump, electric motor, inlet strainer, and filter all on a portable, wheeled cart.

The unit effectively removes particulate and water contaminants from used and new fluids, protecting system components and extending productive service life.

## Filter Types

The Clean Cart provides a variety of filter options to fit your applications needs.

The OFRS-60 is a return line spin-on cartridge filter. The cart system is equipped with a gage to monitor the element service conditions. Both particle and water removing elements are available to fit into the OFRS-60 head.

The H023 is also a return line spin-on cartridge filter with particle and water removing elements available to fit onto its head. The H023 has a visual pressure differential indicator to alert the operator of the need to change the element.

The OFR-30 is a return line flange mounted filter and is only available with particle removing elements. It is equipped with a visual rotary color coded indicator for pressure differential indication.

The F3-OFR-30 return line filter has the same features as the OFR-30, but is also designed to handle synthetic fluids.

## Electrical

The Clean Cart's hydraulic pump is driven by a 0.75 horsepower, 115V AC, 60 cycle electric motor running at 1725 RPM. An on/off switch and 25-foot cord with plug are included.

## Element Selection

Filter	3μ	5μ*	10μ*	15μ**	25μ**	H2O-Pro Water Removal
OFRS-60	V0211B2V03	V0211B2C05	V0211B2C10	941190	941107	W0211B2W10
H023	V0211B2V03	V0211B2C05	V0211B2C10	941190	941107	W0211B2W10
OFR-30	V6021B2V03	V6021B2V05	V6021B2V10	737849	737848	N/A
F3-OFR-30	V6021V2V03	V6021V2V05	V6021V2V10	737853	737852	N/A

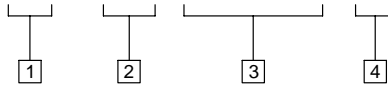
\* Vickers high efficiency (β100) multi-layer media

\*\* Single layer media.

*When transferring new fluid which will only pass through the filter once, Vickers recommends using V03 media for maximum particle removal during the single pass.*

# Model Code

**F3 - CC - \* \* \* \* \* - \* \***



## 1 Fluid compatibility\*

F3 – Special seals (with OFR30 only)  
Blank – Omit if not required

\* The use of synthetic, fire-resistant fluids requires a filter with special seals. Add prefix F3 to model number when phosphate esters or its blends are to be used with OFR30 filter type. Water glycol, water-in-oil emulsions and petroleum oil fluids may be used with standard seals.

## 2 Model series

CC – Clean Cart

## 3 Filter type

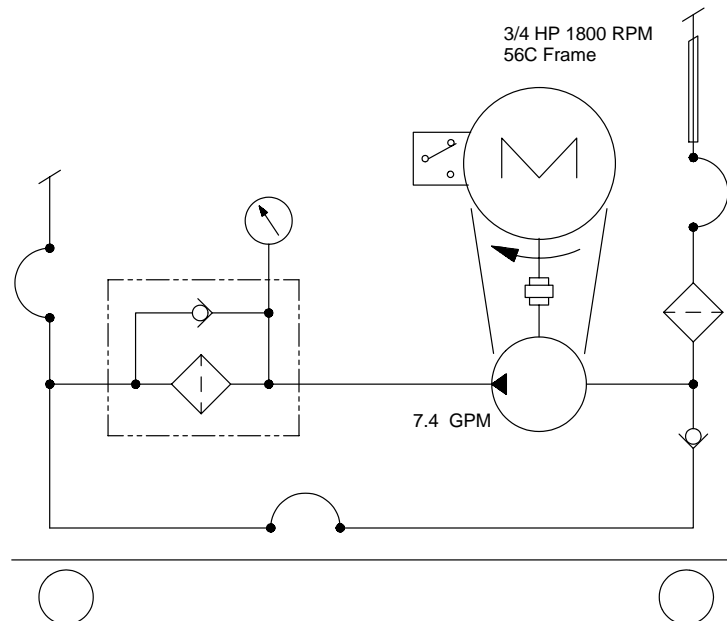
OFRS60 – Oil & H<sub>2</sub>O filter, return line, spin-on  
H023 – Oil & H<sub>2</sub>O filter, return line, spin-on, visual indicator  
OFR30 – Oil filter, return line, flange mounted, visual indicator

## 4 Elements

*Particulate removing elements*

03 – 3 micron  
05 – 5 micron  
10 – 10 micron  
15 – 15 micron  
25 – 25 micron

W – Water removing element



# Dimensions

Millimeters (inches)

