FLUID HANDLING

TC Series Filter Cart

This heavy-duty, high capacity portable system is capable of removing particles and/or free water from all types of industrial oil and can be configured to meet the needs of almost any specific application.
Overview

The TC Filter Cart:
Where It’s Used

- Decontaminating systems
- Flushing new or repaired systems
- Dispensing oil
- Pre-filtering new oil
- Evacuating used oil
- Topping off reservoirs
- Flushing systems
- Collecting oil samples for analysis

What Can I Customize?

- Flow rates
- Sample valves
- Strainer type
- Color
- Power configurations
- Filter media types and sizes
- Type of power phase – single or three
- Manual bypass

Product Features

Canisters:
Heavy-duty, industrial style with bolt-down lids and heavy gauge cylinder walls. These canisters can accept various size high-capacity microfiber glass, depth, water removal and molecular sieve elements and can be changed very easily.

Pump:
Continuous-duty gear pump; 1-40gpm flow rates available

Motor:
Washdown, heavy duty

Switch:
NEMA 4 industrial-duty

Frame:
Heavy-duty rectangular tubing

Performance

Ambient Operating Temperatures:
- -25°F to 104°F (-32°C to 40°C)

Maximum Oil Temperatures:
- 175°F (79°C)

High Pressure Switch:
- Shuts down the system’s motor at 65psi (5.49bar)

Pump Relief:
- Opens at 75psi (5.17bar) pump pressure

Materials:
- Frame: Carbon steel
- Paint: Industrial powder coat
- Fittings: Zinc-plated steel, brass, bronze, stainless steel, cast iron
- Pumps: Steel, Buna-N, iron, Viton®, graphite
- Hoses: EPDM or nitrile

Weight:
- Approximately 260-650lbs / 118 to 295Kg (will vary depending on system configurations)

Viscosity Range:
- ISO VG 2-680 at 100°F

Lifting Eye Bolts:
Allows for easy lifting and maneuverability

Hoses:
Steel braid reinforced hydraulic hoses

Gauges:
Pump pressure and differential pressure gauges

Strainer:
To protect the pump

Wheels:
16” soild rubber

Colors:
Standard is black; customizable colors available at no extra charge
## Specifications

### By The Numbers

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>1</td>
<td>Lifting Eye</td>
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<td>3</td>
<td>Pressure Gauge</td>
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<tr>
<td>4</td>
<td>Sample Valve</td>
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<tr>
<td>5</td>
<td>High Pressure Switch</td>
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<td>6</td>
<td>First Canister Differential Gauge</td>
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<td>Bypass Valve</td>
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<td>Pump Relief Adjustment Screw</td>
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### Example of a Two-Canister System:

![Diagram of a Two-Canister System](image)

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