

# FLUID HANDLING

## Mobile Utility Cart

This mobile system combines filtration, storage, and breathers in one simple solution to keep your lubricants clean and dry.



# Overview

## Mobile Utility Cart:

### Where It's Used

- Storing lubricants
- Decontaminating systems
- Flushing new or repaired systems
- Dispensing new oil
- Pre-filtering new oil
- Evacuating used oil
- Reservoir top-offs
- Collecting oil samples for analysis

### What Is Standard?

- Heavy-duty cart with industrial powder-coated paint
- Hitch and forklift pockets for alternate transportation options
- HDPE tanks in 35 or 65-gallon volumes
- Dedicated motor, pump and filter per tank
- Automatic pump pressure relief valve
- Non-bypass filter heads which prevent particles from passing by when the filters reach maximum saturation
- Desiccant breathers for tanks
- Removable storage tray for IsoLink™ oil-transfer containers
- Oil catch pans
- 12' hose assemblies with various hose-end connections
- 25ft cords (for electric motors only)
- One-year warranty

### What Can I Customize?

- Flow rates
- Filter bypass
- Sample valves
- Filter micron rating
- Hose-end connection sizes and types
- Tank sizes
- Y-Strainer

## Performance

For filtering mineral-based industrial oils and most synthetic oils with a maximum operating viscosity range of ISO VG 680 (3000 ssu/648 cSt) at 100°F/38°C within ambient temperature ranges of -15–104°F (-26–40°C)

### Materials:

- Cart: Carbon steel
- Tank: HDPE
- Paint: Industrial powder coat
- Filter heads: Aluminum
- Fittings: Zinc-plated steel and/or brass
- Pumps: Aluminum/steel
- Hoses: Clear PVC with steel wire
- Gaskets: Buna-N

### Filter Indicators:

- Filter indicator pops at 22 psid (1.55 bar) as warning that filter elements need to be replaced.

### Pump Relief:

- Opens at 65 psi (5.49 bar)

# To Order:

## Mobile Utility Cart

UC	<b>B</b> Upper Unit											
UC	<b>A</b> Lower Unit											
	Box 1	Box 2	Box 3	Box 4	Box 5	Box 6	Box 7	Box 8	Box 9	Box 10	Box 11	



### Tank Size [Box 2]

Code	Description
35	35-gallon tank
65	65-gallon tank (Lower unit only)

### Pump/Motor Combinations [Box 3]

60 Hz Options		50 Hz Options	
Code	Description	Code	Description
02E	2gpm/1 hp electric, 115 vac, 60 Hz, 1725 rpms, 13 amps	02G	1.5gpm/1 hp electric, 110 vac, 50 Hz, 1425 rpms, 12.4 amps
05E	5gpm/1 hp electric, 115 vac, 60 Hz, 1725 rpms, 13 amps	05G	4gpm/1 hp electric, 110 vac, 50 Hz, 1425 rpms, 12.4 amps
10E*	10gpm/1 hp electric, 115 vac, 60 Hz, 1725 rpms, 13 amps	10G*	8gpm/1 hp electric, 110 vac, 50 Hz, 1425 rpms, 12.4 amps
02F	2gpm/1 hp electric, 230 vac, 60 Hz, 1725 rpms, 6.5 amps	02H	1.5gpm/1 hp electric, 220 vac, 50 Hz, 1425 rpms, 6.2 amps
05F	5gpm/1 hp electric, 230 vac, 60 Hz, 1725 rpms, 6.5 amps	05H	4gpm/1 hp electric, 220 vac, 50 Hz, 1425 rpms, 6.2 amps
10F*	10gpm/1 hp electric, 230 vac, 60 Hz, 1725 rpms, 6.5 amps	10H*	8gpm/1 hp electric, 220 vac, 50 Hz, 1425 rpms, 6.2 amps
Pneumatic Options		Pneumatic Options	
02A	2gpm/1 hp air, 0-3000 rpms	08A	8gpm/1 hp air, 0-3000 rpms

**NOTE:** Performance will vary depending on operating temperature, fluid type, and unit options. Call Des-Case for assistance in choosing a flow rate specific to your needs. 65psi pressure relief valve included.

# To Order:

## Mobile Utility Cart

### Drain & Fill Connector Type [Box 4]

Code	Description
B	ISO B Connector
A	ISO A Connector
F	Flush Face Connector
R	ISO B Connector-BSPP
Q	ISO A Connector-BSPP
P	Flush Face Connector-BSPP

**NOTE:** All connectors are coupler ends (female)

### Filter A [Box 6]

Code	Description
Large Filter	
A	5-micron Particulate Filter
B	7-micron Particulate Filter
C	12-micron Particulate Filter
D	22-micron Particulate Filter
J	Water Filter

### Manual Filter Bypass [Box 8]

Code	Description
0	None
B	Filter Bypass

### Sample Valves [Box 9]

Code	Description
0	None
1	Standard Minimes
2	High Viscosity

### Breather Filters [Box 11]

Code	Description
2*	3-micron particulate desiccant breather <b>[DC-2]</b>
3	3-micron particulate desiccant breather <b>[DC-3]</b>
4	3-micron particulate desiccant breather <b>[DC-4]</b>

### Drain & Fill Sizing [Box 5]

Code	Description
1	<b>Drain:</b> 1" hose & connection <b>Fill:</b> 3/4" hose & connection
2	<b>Drain:</b> 3/4" hose & connection <b>Fill:</b> 1/2" hose & connection

**NOTE:** Units are built for optimum performance when using 1" (drain) and 3/4" (fill) connections. Decrease in performance may occur when selecting other size combinations. Hoses are 1" and 3/4" respectively, regardless of connection sizes.

### Filter B [Box 7]

Code	Description
Large Filter	
A	5-micron Particulate Filter
B	7-micron Particulate Filter
C	12-micron Particulate Filter
D	22-micron Particulate Filter
J	Water Filter

### Y-Strainer [Box 10]

Code	Description
0	None
Y	Y-Strainer

### Replace Your Elements

Part No.	Micron Rating
DC-S10000S08BBU	Beta 1000 @ 5um
DC-S10000S08CBU	Beta 1000 @ 7um
DC-S10000S08EBU	Beta 1000 @ 12um
DC-S10000S08FBU	Beta 1000 @ 22um
DC-S10000W08FBU	Water Removal

**NOTE:** Other micron sizes available upon request