LARGE CAPACITY, HEAVY DUTY ENGINE COOLANT EXTRACTION AND RE-FILLING SYSTEM

ESOC has developed a unique system that allows for the extraction, storing and re-filling of large capacity engine coolant systems (up to 30 gallons), eliminating air pockets, during engine maintenance.

How it works

The CEX-32 is a pneumatic tool that uses two hoses to connect to the top and bottom of the coolant system/radiator via quick connect fittings.

Engine coolant is drained, filtered and stored. A coolant sample can be taken during the drain process.

The CEX-32 will stop the coolant flow automatically when the CEX-32 is empty. The coolant system should be full at this time as CEX-32 fills the same amount it drains. **THIS PROCESS INSURES NO AIR POCKETS IN COOLANT SYSTEM**

Additional features

<table>
<thead>
<tr>
<th>Specifications:</th>
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<tbody>
<tr>
<td>45” x 26” x 36” (H/W/D)</td>
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<tr>
<td>Air supply: 125 psig</td>
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<tr>
<td>Net weight: 168 lbs.</td>
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<tr>
<td>Tank capacity: 34 gallon</td>
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</tbody>
</table>

The CEX-32 may also be used to perform a coolant pressure or vacuum test.

Coolant is filtered before being re-introduced into the coolant system.

Includes drain by-pass valve to avoid contaminated coolant from entering tank.

Optional adapters are available for various engines for both drain and fill.

Samples can be taken during the drain process.

The CEX-32 can also be used for a coolant system flush.

Benefits

1. **FAST**
2. **CLEAN**
3. **FOOLPROOF**
4. **ELIMINATES AIR POCKETS**
COOLANT EXTRACTION & RE-FILLING SYSTEM
for HEAVY & LIGHT DUTY ENGINES

ESOC has developed a unique system that allows for the extraction, storing and re-filling of engine coolant, eliminating air pockets, during engine maintenance.

Specifications:
- 46” x 26” x 28” (H/W/D)
- Air supply: 125 psig
- Net weight: 155 lbs.
- Tank capacity: 13 gallons

How it works
The CEX-14 is a pneumatic tool that uses two hoses to connect to the top and bottom of the coolant system/radiator via quick connect fittings.

Engine coolant is drained, filtered and stored.
A coolant sample can be taken during the drain process.

CEX-14 employs a two-stage filling process that is very user-friendly and easy to perform.

The CEX-14 will stop the coolant flow automatically when the first stage is complete. Simply flip a switch to start the second stage. Once again the coolant flow will stop automatically when the CEX-14 is empty.

The coolant system should be full at this time as CEX-14 fills the same amount it drains.

**THIS PROCESS INSURES NO AIR POCKETS IN COOLANT SYSTEM**

Additional features
The CEX-14 may also be used to perform a coolant pressure or vacuum test.

Coolant is filtered before being re-introduced into the coolant system.

Optional adapters are available for various engines for both drain and fill.

Samples can be taken during the drain process.

The CEX-14 can also be used for a coolant system flush.

**BENEFITS:**
1. **FAST**
2. **CLEAN**
3. **FOOLPROOF**
4. **ELIMINATES AIR POCKETS**
HEAVY DUTY ENGINE COOLANT EXTRATION AND RE-FILLING SYSTEM

ESOC has developed a unique system that allows for the extraction, storing and re-filling of engine coolant, eliminating air pockets, during engine maintenance.

How it works

The CEX-HV uses 110 volts of a/c power and compressed air at 90 psi

The CEX-HV has an on-board electric pump which will pull the coolant from the engine coolant system, while sending compressed air to the top or the radiator for a faster drain cycle.

The same pump will also pull coolant from a tote or a suitable container when filling the coolant system. Vacuum will be applied to the top of the radiator to pull the air out of the coolant system when filling.

Additional features

The CEX-HV may also be used to perform a coolant pressure or vacuum test.

Coolant is filtered before being re-introduced into the coolant system.

Optional adapters are available for various engines for both drain and fill.

Samples can be taken during the drain process.

The CEX-HV can also be used for a coolant system flush.

**THIS PROCESS INSURES NO AIR POCKETS IN COOLANT SYSTEM**
MALE CONNECTOR FOR FEMALE CONNECTOR TO COOLANT SYSTEM CAN ALSO BE SUPPLIED BY ESOC

AIM FLEET AMERICA Locations Nationwide
Changing the Way Fleets Change Fluids

ESOC is a revolutionary system that dramatically reduces your labor time and costs. It keeps your vehicles out of the shop and on the road.

The series 150E offers the following features:

1. All steel construction
2. 12 Volt DC motor, 20 Amp
3. Pump, 4 GPM @ 20 psig
4. 12 Ft power cord with clamps
5. fuel filter
6. 10 Ft Suction hose, transfers 4 GPM
7. 10 Ft. Discharge hose with:
   a) Compucheck fitting
   b) Fuel dispenser
8. 33” ½” Draw tube for fuel tanks with anti-siphon fuel tanks
9. Fuel drain valve-
10. Resettable fuel meter for billing customer after fuel transfer

Specifications:
- 33” x 12” x 10” (H/W/D)
- Net weight: 37 lbs.
Changing the Way Fleets Change Fluids

ESOC is a revolutionary system that dramatically reduces your labor time and costs. It keeps your vehicles out of the shop and on the road.

The series 250E offers the following features:

1. Power on/off switch
2. 110 volt a/c pump
3. Handle for 95 psi or adjustable prime
4. Adjustable prime knob
5. 3 ft. Flexible fuel tank draw tube
6. Detailed instructions for 95 psig prime and adjustable prime

Specifications:

- 48” x 22” x 22” (H/W/D)
- Air supply: 125 psig
- Net weight: 105 lbs.

7. Fuel pressure gauge
8. Fuel filter
9. Compucheck adapter
10. Fuel dispenser
11. 8 ft. Fill hose
12. 8 ft. Suction hose
13. 2 Minute prime indicator
Changing the Way Fleets Change Fluids

ESOC is a revolutionary system that dramatically reduces your labor time and costs. It keeps your vehicles out of the shop and on the road.

**SERIES 455**

**FUEL PRIMER**

Specifications:
- 45” x 22” x 24” (H/W/D)
- Air supply: 125 psig
- Net weight: 116 lbs.

The series 455 offers the following features:

1. 5 Gallon tank gives a 3 minute prime
2. 3 Ft. Draw tube for easy refilling of the ESOC 5 gallon tank
3. Pre-set 95 psig prime pressure
4. Adjustable prime pressure of 0 to 95 psig
5. Sight gauge with floating ball with indicators for specific steps.
6. 8 Ft. Suction/fill hose
7. Fuel filter
8. Tool Tray
9. Compuchek adapter
10. Fuel dispenser
Changing the Way Fleets Change Fluids

ESOC is a revolutionary system that dramatically reduces your labor time and costs. It keeps your vehicles out of the shop and on the road. In addition, it is safer for your technicians and better for the environment. Don’t waste any more valuable time changing your oil the conventional way. With our Quick Oil Change Technology, a 40 quart oil change can be completed in about 15 minutes, saving you approximately 40 minutes on every oil change performed.

ESOC uses air to purge the used oil from the vehicle’s filter and oil passages while the oil pan is being evacuated, and replace it with clean oil. But speed and productivity aren’t ESOC’s only advantages; look at some benefits listed below.

You’ll Never Change Oil the Same Way Again.
The oil change process is virtually automatic, which allows your technicians to perform other tasks while changing the oil. With these cost savings, the Series 875 will quickly pay for itself.

Oil Change in About 15 Minutes
- Reduce labor time and labor costs

Less Down Time
- More time for your trucks on the road

Quick Connect “Spill-Free” Fittings
- Less mess “ZERO” spill

Minimal Technician Involvement
- Automatic process
- Eliminates operator contact with oil
- Allows technician to perform other tasks while machine is operating

Oil Sample
- Manual oil sample may be taken

Pre-Lubed Engine
- Less wear on engine

Instant Oil Pressure
- Upon restart, eliminates bearing burn to improve engine life
- Engine gets a “Hot Start”

Series 875 Features and Benefits
- Fully pneumatic – no additional power needed
- Can be vehicle mounted for off-site oil changes
- No more oil drain pans needed
- Uses integrated pistol grip oil dispenser
- Our smallest footprint oil change system
- Optional automatic oil sampler available (Model 875A)
- Requires only connections to air supply, fresh oil under pressure and waste oil tank

Dimensions
- 48” x 22” x 24” (H/W/D)

Net weight: 330 lbs
How ESOC Works

1. Connect ESOC to the oil pan via the low profile drain fitting and the oil filter via the inlet fitting.
2. Program ESOC as prompted or press START.
3. ESOC will now evacuate the oil pan, during which time an oil sample may be taken. At the same time purge air is sent into the oil filter(s), and lubricating passages, emptying the oil filter and purging the waste oil from the passages.
4. Once the purge air (automatically) stops, it will be safe to change the oil filter(s).
5. ESOC stops automatically when the oil pan is empty and awaits operator input to start the oil fill process.
6. Fresh oil is now introduced under pressure into the filter and oil passages, pre-lubricating the engine.
Changing the Way Fleets Change Fluids

ESOC is a revolutionary system that dramatically reduces your labor time and costs. It keeps your vehicles out of the shop and on the road. In addition, it is safer for your technicians and better for the environment. Don’t waste any more valuable time changing your oil the conventional way. With our Quick Oil Change Technology, a 40 quart oil change can be completed in about 15 minutes, saving you approximately 40 minutes on every oil change performed.

ESOC uses air to purge the used oil from the vehicle’s filter and oil passages while the oil pan is being evacuated, and replace it with clean oil. But speed and productivity aren’t ESOC’s only advantages; look at some benefits listed below.

You’ll Never Change Oil the Same Way Again.
The oil change process is virtually automatic, which allows your technicians to perform other tasks while changing the oil. With these cost savings, the Series 900 will quickly pay for itself.

Oil Change in About 15 Minutes
- Reduce labor time and labor costs

Less Down Time
- More time for your trucks on the road

Quick Connect “Spill-Free” Fittings
- Less mess “ZERO” spill

Minimal Technician Involvement
- Automatic process
- Eliminates operator contact with oil
- Allows technician to perform other tasks while machine is operating

Automatic Oil Sample
- No oil sample contamination

Pre-Lubed Engine
- Less wear on engine

Instant Oil Pressure
- Upon restart, eliminates bearing burn to improve engine life
- Engine gets a “Hot Start”

Series 900 Features and Benefits
- Touch screen electronic controller with user friendly prompts
- Oil usage totals, running and resettable
- No more oil drain pans needed

Spill-Free Fittings
The patented ESOC Spill-Free Fittings have many applications. Currently we are marketing it to the diesel engine market. If you have on-highway trucks, off-highway vehicles, power generators, refrigeration units, buses, etc., ESOC can dramatically increase productivity, save time and give you zero mess.

Specifications:
- 56” x 22” x 24” (H/W/D)
- 110/220 VAC
- Air supply: 125 psig @ 6SCFM
- Fresh oil supply: minimum 500 psig

Net weight: 350 lbs.
How ESOC Works

1. Connect ESOC to the oil pan via the low profile drain fitting and the oil filter via the inlet fitting.
2. Program ESOC as prompted or press START.
3. ESOC will now evacuate the oil pan, during which time an oil sample may be taken. At the same time purge air is sent into the oil filter(s), and lubricating passages, emptying the oil filter and purging the waste oil from the passages.
4. Once the purge air (automatically) stops, it will be safe to change the oil filter(s).
5. ESOC stops automatically when the oil pan is empty and awaits operator input to start the oil fill process.
6. Fresh oil is now introduced under pressure into the filter and oil passages, pre-lubricating the engine.