



Balcrank

Heavy Duty Solutions

Automotive | Commercial | Industrial



Balcrank

At Balcrank, we know the heavy duty market. We have been designing and installing vehicle fluid dispensing systems since 1922. It is our responsibility to understand your requirements, including the time spent servicing your vehicles, which equates to efficiencies and ultimately the profitability of your vehicle maintenance shop.

From storage to dispense, understanding your shop requirements will prevent costly mistakes which can cause inefficiencies in your business.



storage solutions

Many changes in lubricants have taken place over the past 10 years. We see continual changes as OEM's try to increase fuel economy which means high tech advanced low and multi-viscosity oils. Planning for the future will make the management of these fluids less costly over the long run.

OBJECTIVE: PLANNING FOR THE FUTURE

- Number and grade of fluids
- Tank capacities and future permitting/requirements
- Design and footprint of tanks
- Adequate pump room size
- Phase in and phase out of lubricants
- Venting, piping and alerts/alarms that indicate low or high-level fluid status



Lightweight
Double Wall Tank



IBC Tote



Workbench Tank





pumping solutions

When designing a pumping system, we take great care in evaluating the required flow rates to maximize your technicians time. A thorough evaluation of your shop system performance is critical. Delivery rate of each fluid has to be considered individually.

Depending on the size of the crankcase or reservoir you are filling, time becomes the critical issue. Heavy duty vehicle crankcases average 10 gallons; your pump flow rate and size are critical. How long would you want your technician standing and filling a crankcase?

OBJECTIVE: FLUID DELIVERY RATES MATCHED TO YOUR SHOP

- Optimum length of time to fill or drain the reservoir crankcase; time equates to efficiencies/profit
- Number of simultaneous dispense points by fluid; overall flow requirements equates to pump selection and system tubing size
- Pumping distance per fluid tells us the required pipe/ tubing requirement to achieve the flow and pressure needed to achieve the desired fill time
- Pump sizing not only determines system performance but also long-term reliability and dependability of the system
- For used fluid evacuation systems, proper pump selection and placement of the pumping stations reduces the time it takes to move the used fluids to storage tanks
- Oil flow rates up to 32 GPM with pressure ratios from 3:1 to 12:1
- Grease flow rates up to 88 lbs/min with pressure ratios from 12:1 to 200:1



CF50



CF65



Lion™ 450



Lion™ 600



Lion™ 800



Lion™ Inductor
Double Post RAM



Lion™ Fixed Follower
Plate Outfit



dispensing solutions

Each site must be evaluated for the best possible location of dispense points, lengths of hose and control handle features to accommodate the needs of your shop.

OBJECTIVE: INSTALL A CLUTTER FREE EFFICIENT WAY TO DISPENSE FLUIDS & MANAGE DISPENSE POINTS

- Hose reel design suited for the demands of your shop
- Size of bays and best location for dispense points
- Hose size matched to the flow rate requirements
- Hose reel mounting and location to ensure optimum efficiencies and ease of service
- Control handle flow rates and features
- Hose lengths up to 100' x 1/2" and 50' x 1"
- Handles have flow rates up to 18.5 GPM



Hose Reel Stand



Premium Hose Reel



HighFlo



MR (Mechanical Registry) Meter



DR (Digital Register) Meter



Extended Volume (EV) Hose Reel



Extended Volume Extra (EVX) Hose Reel

*Photo courtesy of Hoffman Services, inc / Steril-Koni USA



fluid management solutions

In the heavy duty truck/bus industry, we see oil shrinkage rates of up to 10%. This is a staggering loss of revenue but can be saved and recouped by installing the proper FIC system, which will pinpoint shrinkage issues, help reconcile deliveries and ensure every drop is dispensed, billed accurately and correctly to a specific work order.

OBJECTIVE: ENSURE EVERY DROP OF OIL IS ACCOUNTED FOR

- Examples of data tracking
 - > **Bulk oil inventory:** how many gallons of each grade are in my tanks
 - > **Dispense tracking:** which technician, when, number of quarts, which grade and dispense location
 - > **Used fluids:** overfill protection and proper tank capacity
 - > **Billing:** inventory reconciliation, inventory shrinkage prevention



Tank Surveillance Module



Director Jr. Console V DC



Pump Sentinel Console



Balcrank

At Balcrank, we are **solution providers**
for the **Heavy Duty** market

Storage | Pumping | Dispensing | Fluid Management



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