

CROW ENVIRONMENTAL

Vehicle De-Pollution Systems



The Crow Environmental Range of Vehicle De-Pollution Systems

Crow Environmental, synonymous with high quality, cost efficient and durable Vehicle De-Pollution equipment, brings you the ultimate in ELV fluid removal plant.

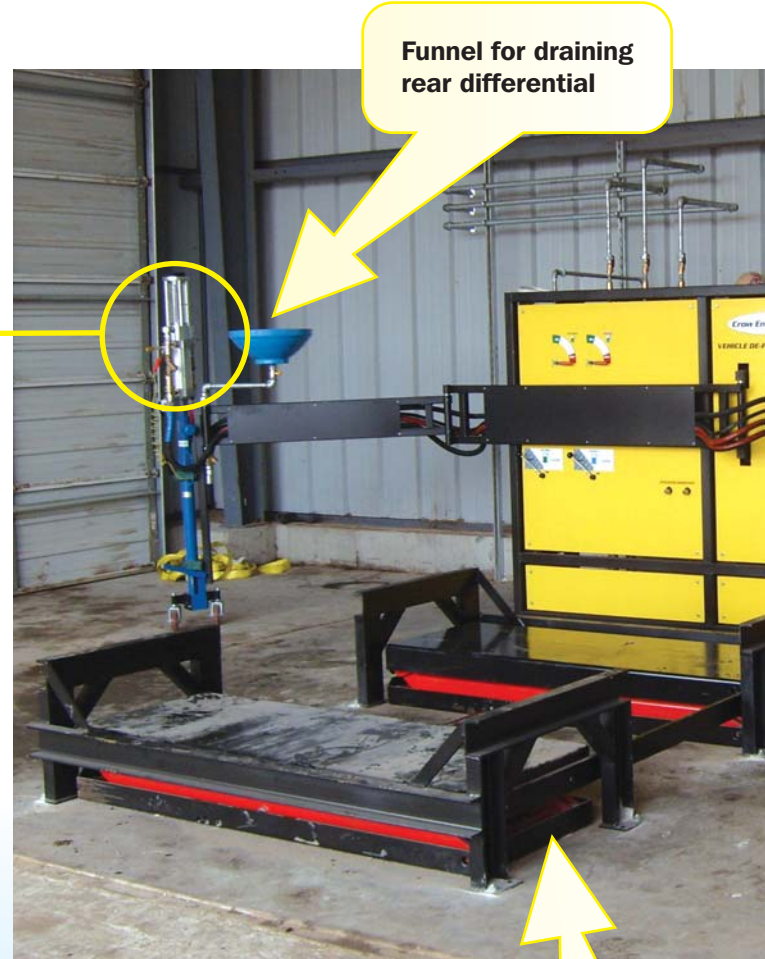
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The high volume system extracts the fluids from the vehicle and pumps them direct into the storage tanks. Each depollution bay handles approximately 30 cars per day when manned by one operator. Up to 10 bays can be added to a single set of tanks. Unique fuel extraction and filtering system which allows the operator to reclaim and process the fuel for use back in their own vehicles.



Unique fuel extraction system

- Seals firmly to the fuel tank, allows the operator to see the quality of the fuel before deciding to pump to either the clean gasoline, clean diesel or dirty fuel tank
- Separate system and pumps for gasoline and diesel
- Insurance underwriter approved as fail-safe
- ATEX approved.



Funnel for draining rear differential

Heavy duty scissor lift 3.6T and loading frame

- Vehicle is loaded onto the frame. Operator drains engine bay reservoirs then the vehicle is raised to a convenient height for the operator to work on the underbody
- Lift picks up on the sills allowing full access to the engine bay, drive train and rear axle/fuel tank.

High Volume Vehicle Depollution Systems

Simple controls for starting and stopping the fluid extraction pumps with colour coding and symbols

Separate probes to drain engine bay resevoirs

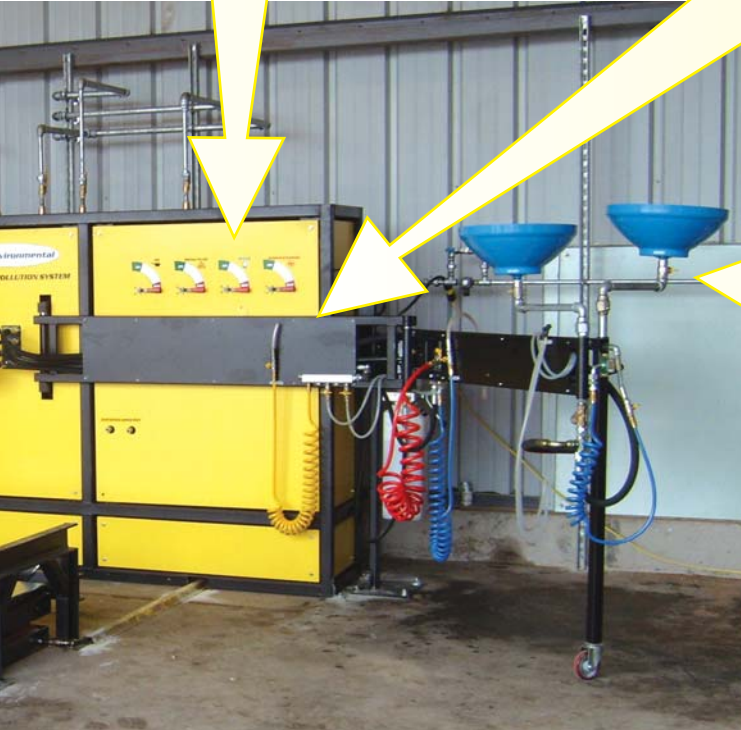
- Hydraulic oils
- Power steering
- Windshield wash.

Large steel funnels for draining the engine oil and gearbox oil

- Mounted on the end of the swinging arm, also houses spiking system to drain engine coolant and connections to drain down the brake system.

Standard tank arrangement with codified tanks

- Gasoline tanks with dispensing pump
- Diesel tank with dispensing pump
- Dirty fuel tank
- Mineral oil tank
- Synthetic oil tank
- Water based fluid tank
- Process fuel filters remove water and particles down to 5 micron.



Tools & Accessories

We offer a range of tools and accessories which are available as part of our system or can be purchased in isolation.

Fuel Extraction Tool (voted best fuel extraction system)



The Crow Environmental Fuel extraction tool punctures the tank from under the vehicle. The simple to use unit is pumped up by the hydraulic stand to seal against the tank. The spike is pushed through the tank base by the pneumatic drive. Fuel is extracted without fluid or vapour being released to atmosphere. The site glass allows the operator to identify the quality of the fuel before deciding whether to send it to the dispensing or dirty fuel tank. A special sealing compound is used to plug the hole in the tank. ATEX approved.

Features:

- Suitable for Gasolene and Diesel, Metal or Plastic tanks
- Replaceable seal
- Can be retro fitted to most systems
- Available as a stand alone unit or with a pumping panel
- No vapour or fuel leakage during extraction process
- Simple to use
- No heat generation or swarf produced in the puncturing process

Shock Absorber Draining System

Drains shock absorbers in less than a minute. The SADS provides a quick, simple and safe system for draining shock absorbers. The unit integrates a hydraulic tool which punctures the shock absorbers and drains the majority of the fluid. The tool is then removed and the residual fluid extracted through the punctured hole with the wandering suction hose. The hydraulic tool incorporates a seal to minimise fluid leakage during the puncturing operation. In the stand alone format the system is mounted with a mobile suction tank to evacuate and hold the fluid. The whole operation takes less than a minute. The system is air powered and requires 10 cfm of air at 7 bar.



Air Conditioning Fluid Extraction Unit



Crow Environmental's air conditioning fluid extraction unit has a robust plastic carrying case and comes complete with high and low pressure connecting pipes.

The simple to use unit, requires a single phase electrical supply.

An optional extra is a 14kg storage tank.

ELV CAT Removal Cutter

Developed specifically for removing Catalytic converters from ELV's, our unit is one of the lightest on the market. The power pack is available as either 240 or 110volt and comes complete with a 10m control hose allowing the electric to be mounted outside the hazardous zone. Two hand operation minimises the risk of accidents.



Features:

- Light weight
- Long life jaws
- 10m control hose
- Can be used in other applications
- Two hand safety system
- Optional CAT catching stand
- Professional ELV CAT Cutter

Fuel Filters

The Crow Environmental Fuel filters have been specifically designed for use by ELV operators who want to use the fuel recovered in their own vehicles without fear of damaging their engine.

The filter removes water and particles down to 5 micron in size, ensuring your fuel is safe to use even in the latest common rail engine.



Features:

- Suitable for Gasolene and Diesel
- Disposable Filter element
- Removes water and particles down to 5 microns
- Water indicator sight glass with drain tap
- Fuel element condition indicator
- Simple to fit

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