



TRIVERUS

CLEANING & ENVIRONMENTAL SOLUTIONS



THE MUNICIPAL
CLEANING VEHICLE
(MCV)

MCV

COMPACT EFFICIENT CLEANING



The Municipal Cleaning Vehicle (MCV) packs high efficiency cleaning capacity into a compact and versatile standards-based platform. The 5 ft wide cleaning path provides for excellent productivity while still performing tasks inside parking facilities, sidewalks and other spaces where size and maneuverability count.

Triverus vehicles use high efficiency cleaning and recovery technology that takes outdoor hard surface cleaning to a new level of effectiveness. Vehicle configurations range from compact solutions for municipal spaces and parking structures to flight decks on aircraft carriers and airfield ramp and runway maintenance.

Triverus MCV Specification Sheet

Chassis: Multipurpose All-Wheel Steer

Wheelbase: 88"

Overall Width: 66" (includes side mounted recovery hose but not mirrors)

Overall Length: 180" (including cleaning platform)

Engine: 61 HP Tier 4 Diesel

Transmission: Hydrostatic Drive (All wheel drive and all wheel steer)

Travel Speed: 0-17 MPH

Work Speed: 0-8 MPH

Empty Weight: 6,500 lbs

Fuel Capacity: 20 Gallons

Patent Numbers: 7,735,186 8,393,049 and Patents Pending. All Rights Reserved.



RECOVERY SYSTEM

Vacuum: 1000+ CFM

Water Recovery Tank: 200 Gallons

Solids Collection: removable gross solids collection tray in recovery tank available

Offload Pump: 50+ GPM Pumping mechanism that enables a

5-minute vehicle fill/waste removal cycle for incredible productivity

HIGH PRESSURE WATER SYSTEM

9.5 GPM @ 5800 PSI Pump capacity

Cleaning Path: 60" (Up to 8.5 GPM @ 4,500 PSI using standard nozzle configuration)

Filtration: Dual Level Mesh System (30 mesh prescreen, 100 mesh final)

Clean Water Tank: 200 Gallons Max

KEY FEATURES

Single engine system with dual range hydrostatic drive:

This system allows precise control for low speed operation but still allows the vehicle to quickly traverse the work site when needed.

High flow vacuum recovery system: provides excellent recovery of water and debris even on grooved and pervious surfaces.

Integrated HMI/control system: provides visual feedback of system operating parameters and includes integrated interlocks.

Multifunction capability: the cleaning platform and recovery module can be removed to allow other attachments to be fitted for multi-function operation.

Dual level high pressure pump filtration protection with inlet pressure lockout.

Remote hand wand with Storage Reel.

Optional: front FOD Magnet and Walk Away Cleaning Head with recovery.

APPLICATIONS

Airports / Municipal Spaces

The MCV is built for city cleaning and environmental programs. The chassis is maintainable and familiar to typical grounds/equipment maintenance facilities. Parts and service are readily available for a rigorous daily operations tempo.

- * **Pervious rejuvenation and effective maintenance**
- * **Paint prep: captures adhered fines and loose paint**
- * **Crack seal prep: cleans below the surface**
- * **Spill response and containment**
- * **Aesthetic cleaning for street markings and decorative paved areas**
- * **Parking garages and other facilities**
- * **Lifts and contains oil and grease accumulations**
- * **Excellent maneuverability through 4-wheel steer, includes crab mode for closer edge cleaning**
- * **Out-front cleaning platform location for reach into single parking spots**
- * **Easily removable Triverus modules for seasonal chassis use with other attachments**

ENVIRONMENTAL PERVIOUS / NON-PERVIOUS

MCV environmental applicability is based on its ability to recover small and adhered particles that contribute to storm water pollution. This ability is proven to far exceed results from typical vacuum or regen sweeping.

The MCV is suited for:

- * SWP source control: (cleaning areas with known surface contamination such as solids leading to TSS problems, Copper and Zinc)
- * Pervious surface restoration: pervious surfaces can be cleaned with MCV technology and surface percolation functionality can be restored.
- * Pervious surface maintenance: the MCV can maintain pervious concrete/asphalt and porous paver installations.



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specifications subject to change without notice