



*Global Environmental Products Inc. offers equipment with uncompromising performance, consistent quality, durability and reliability. Our comprehensive range of machines provide the right cleaning equipment for your application. Please contact us to request a demonstration at (909) 713-1600.*

**WWW.GLOBALSWEEPER.COM**

Sold and Serviced by:



**Global Environmental Products**  
 5405 Industrial Parkway,  
 San Bernardino, CA 92407 USA  
**909-713-1600**  
 info@globalsweeper.com



© Copyright 2014, Global Environmental Products, Inc. • Specifications may change without notice.



**Alternative Fuel**  
 COMPRESSED NATURAL GAS



**ELECTRIC HYBRID**  
**GLOBAL M4 Hybrid**

World's 1st Purpose-Built *Electric Hybrid Street Sweeper*

- ▶ Reliable / Durable Equipment
- ▶ Innovative Engineering / Design
- ▶ Industry Leading Reputation
- ▶ Dedicated Customer Service
- ▶ Outstanding Sales Professionals
- ▶ Fast Parts and Service
- ▶ National Dealer Network

# GLOBAL M4



# GLOBAL M4 Hybrid

## PERFORMANCE

- ▶ The high-performance **Global M4 CNG** has unsurpassed pick-up capability across its full 125" sweeping path, even when facing the heaviest workloads.
- ▶ The performance matched equal-width pickup broom and elevator system eliminates choke points and improves sweeping speed.
- ▶ In-cab gutterbroom down pressure controls combine with a self-adjusting pickup broom to give superior sweeping ability.
- ▶ The large 5.6 cubic yard hopper's ribbed design eliminates rust traps and is mid-mounted for balanced weight distribution and superior loading characteristics.

## CNG ENGINE

▶ Single engine design delivers outstanding performance by a fuel-efficient, turbo charged 8.9L Cummins ISLG 250 horsepower CNG engine. Meets 2013 Emission Standards as well as 2014 EPA and US DOT fuel economy and green house gasses regulations.

▶ Single Engine Design, with 130 inch wheelbase, allows for easy maintenance, lower fuel consumption and superior maneuverability make **Global M4 CNG** mechanical street sweeper of your choice.

## HOPPER

- ▶ Industry leading 5.6 cu.yd. hopper maximizes, curb miles swept between dump cycles.
- ▶ Optional stainless steel is covered by a Lifetime Warranty, ensuring the lowest Cost of Ownership with a greater re-sale value.
- ▶ Extra large hopper can be discharged into roll-off containers or dump trucks with heights up to 9' 6".
- ▶ Dumping the large 12,000 lb payload is effortless and accomplished from within the cab for increased operator safety and efficiency.

## A BALANCED SWEEPING SYSTEM

- ▶ The 58-inch dirt conveying system features an overthrow system to collect even more debris.
- ▶ Full 125-inch sweeping path offers unsurpassed pick-up ability even when handling the heaviest of workloads.
- ▶ Performance matched equal-width pick-up broom and dirt conveying system delivers faster loading and sweeping speed.
- ▶ Dust Suppression System consists of two (2) 3.5 GPM Water Pumps and Water Tank Capacity of 250 Gallons.

MADE IN USA

## ▶ PERFORMANCE. SAFETY. RELIABILITY. AFFORDABLE.

The **Global M4 CNG**'s purpose built design delivers reliability, safety, low maintenance, ease of use, and the lowest operating cost per swept mile.

## ▶ THE BEST PURPOSE BUILT SWEEPER IN THE INDUSTRY

The **Global M4 CNG** offers many enhanced features not found on most CNG sweepers. An amazing 18 1/2-foot turning radius, low center of gravity, exceptional visibility, and alternative fuel options make this a great fit for municipalities and private operators. A large capacity hopper and exceptional in-cab controls make the **Global M4 CNG** a great choice for cities requiring simplicity, power, and performance.

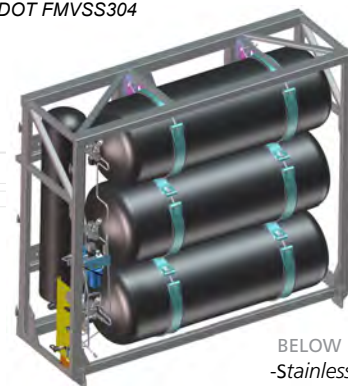
## GLOBAL M4 CNG - RUGGED - TOUGH - HIGHLY MANEUVERABLE



ABOVE The polyurethane dirt shoes are rugged and tough...will last well over 1000 hours.

ABOVE The **Global M4 CNG** offers the best maneuverability in its class with its tight turning radius allowing the operator to maneuver easily in cul-de-sacs and close quarters.

BELOW Composite CNG Tanks meet the requirements of ANSI/CSA NGV2. US DOT FMVSS304



Weight Savings of up to 70% over steel tanks.  
- Service Life of 20 years with superior fatigue life  
- Corrosion Resistant

**Size and Capacity**  
3 Tanks, 21.1" dia. X 60" long.  
Diesel equivalent capacity at 3,600 psi.  
**57.9 gallons Total**  
3 x 19 gal. per tank

BELOW Fuel System and Control Panel  
-Stainless Steel Seal-lok Fittings & Tubes  
-Stainless steel devises w/O-ring fittings.

ABOVE Optional Reserve Tank  
Allows the operator to change the fuel source from the main tanks to the reserve tank through a keyed electrical switch.



BELOW Elevator Type: optional 11 Flight squeegee with replaceable corded rubber tips; Continuous molded rubber belts combined with optional triple pump option (below) makes **Global M4 CNG** the ideal choice for sweeping heavy debris such as road millings, up to 3-tons per-minute. Standard leaf gate system assists in picking up large debris, bottles, large branches and leaves.



## ▶ THE PERFORMANCE YOU NEED

Performance matched equal-width pickup broom and dirt-conveying system delivers faster loading and sweeping speeds. The purpose-built chassis is based on four decades of experience designing the most effective, and safe, street sweepers. Unmatched cab visibility increases safety and provides drivers a much larger viewing area, with parabolic mirrors and a depth of view, unequaled by any other street sweeper in its class.

## ▶ SAFETY IN DESIGN

Exceptional visibility, incredible turning radius, low center of gravity, and single engine design provide greater stability, safety and lower maintenance costs compared to other chassis type mechanical street sweepers.

## GLOBAL M4 HYBRID - FUEL EFFICIENT - QUIET - SIMPLY MAINTAINABLE



ABOVE **Global Environmental Products** continues industry-leading innovative engineering with the introduction of the world's 1st purpose-built electric hybrid street sweeper.

RIGHT Centralized, weatherproof systems locker fully protects electrical components from the elements while allowing maintenance staff easy accessibility for inspection and troubleshooting.



## Over 50% increase in fuel economy

- ▶ Reduced emissions.
- ▶ Reduced noise levels.
- ▶ Travel speeds up to 60 MPH.
- ▶ State-of-the-art environmental automotive technology.
- ▶ Toughest and most rugged purpose-built mechanical sweeping system ever constructed.
- ▶ PM-10 water system improves air quality.

RIGHT The **Global M4 Hybrid** features many maintenance-friendly attributes, such as a rear swing-out radiator, easy access front mounted AC condenser, brake and windshield washer fluid reservoirs, and cab fresh air filter. **Cummins ISB-200 6 cylinder injected diesel, turbocharged and intercooled. EPA 2013**



## OUTSTANDING AGILITY

- ▶ With a 130 inch wheelbase, the **Global M4 Hybrid** handles like a car, moving in, out around parked vehicles with ease and agility.
- ▶ Unlike chassis mounted sweepers, the **Global M4 Hybrid** is built for heavy sweeping applications with main broom located in the center of the sweeper that minimizes trailing when turning.

## EXCEPTIONAL VISIBILITY

- ▶ Increases operator and pedestrian safety.
- ▶ The **Global M4 Hybrid** offers the best operator visibility of any purpose built four wheel street sweeper on the market.
- ▶ Front-and-center cab location provides unobstructed views of the street, curb and gutter brooms at all times.
- ▶ Maximum visibility means increased sweeping efficiency, improved operator effectiveness and faster, safer sweeping performance.

## COMFORT AND CONVENIENCE TO REDUCE OPERATOR FATIGUE

- ▶ Inside the **Global M4 Hybrid**, the operator is afforded every comfort and convenience to increase productivity.
- ▶ An ergonomically designed instrument panel and suspension seat provide superior ride comfort, resulting in reduced operator fatigue throughout the work day.
- ▶ The forward control cab, with over 3,800 square inches of tinted safety glass, gives the operator outstanding visibility.
- ▶ Fingertip controls activate climate zone features such as heater, defroster and air conditioning.

- ▶ Integral parabolic mirrors and side window defrosters make it easy for the operator to monitor the gutterbrooms in any weather.
- ▶ Plush interior is finished with sound absorbing upholstery and door trim so your operator can stay alert and avoid fatigue.

## HYBRID ELECTRICAL SYSTEM

Electrical Hybrid Components	Electrical generator, electrical drive motor, electrical hydraulic motor, generator control unit, motor control unit for drive motor, and hydraulic motor, and lithium-ion batteries.
Alternator	130 amp with dust shield, 12 volt system.
Batteries	2 - 900 CCA @ 0F; 12 volt system.
Wiring	Sealed wire harness; Solid color coded wires, numbered and function labeled every 12 in. (305mm); sealed pre-wired solenoids; Circuite breaker protected. 12 volt system.

