

Federal Signal Environmental Solutions Group (ESG) is the leading provider of innovative environmental cleaning and material handling solutions for municipal, military, government, industrial, contractor and airport customers worldwide. Member companies include Elgin Sweeper Company, Vactor Manufacturing, Guzzler Manufacturing, and Jetstream of Houston and each designs and manufactures a suite of products and integrated solutions for customers. The Environmental Solutions Group allows you to consolidate your environmental cleaning needs and satisfy your mission with the highest quality and most diverse single source in the world. Federal Signal Corporation is listed on the New York Stock Exchange under the symbol FSS. For more information, visit:

[www.federalsignal.com](http://www.federalsignal.com)

Mark Circo  
Federal Government Sales Manager  
Direct #610-530-7072  
Cell #610-533-4057  
Fax #484-229-0267  
Email: [mcirco@fsepg.com](mailto:mcirco@fsepg.com)

\*Maryland Industrial Trucks, Inc - GSA Contract Holder  
1330 West Nursery Road  
Linthicum, Maryland 21090  
Phone: (410) 636-1255  
Fax: (410) 636-5734  
Email: [sales@mdindustrialtrucks.com](mailto:sales@mdindustrialtrucks.com)  
Website: [www.mdindustrialtrucks.com](http://www.mdindustrialtrucks.com)

**FEDERAL SIGNAL**  
Environmental Solutions  
Advancing security and well-being



GSA Contract #GS-30F-1012H  
Contracted by Maryland Industrial Trucks\*  
Elgin DLA # SPM500-01-D-0099  
Vactor DLA # SPM500-01-D-0116

# FEDERAL SIGNAL ENVIRONMENTAL SOLUTIONS GROUP, YOUR COMPLETE SOLUTIONS PROVIDER



**Elgin Sweeper Company** is the leading manufacturer of sweepers for municipal, military, government, contractor, airport, and industrial sweeping needs. Elgin Sweeper offers the world's broadest selection of sweeping solutions including mechanical, vacuum, and recirculating air models. New technologies such as PM-10 compliance, alternative fuel driven, and noise reduction are just a few being introduced into their line of sweepers.



## Waterless Pelican

**Engine**  
John Deere 4045TF150 99HP

**Sweep System**  
Hydraulic/ No Jam Conveyor

**Drive**  
Hydrostatic Drive, Single Foot Pedal for Forward/Reverse

**Sweeping Path Max**  
10 ft.

**Hopper Capacity Volumetric**  
3.6 Cu. Yd

**Water Capacity**  
40 gallons

**Dust Control**  
Centrifugal fan/ Dust skirts on side/Main Brooms/Filter

**Dumping Height Max/Location**  
9 ft. 6 inches - Front

**Chassis**  
Elgin Exclusive

**Travel Speed - Sweep Speed**  
20 mph - 3-5 mph



## Pelican

**Engine**  
John Deere 4045TF150 99HP

**Sweep System**  
Hydraulic/ No Jam Conveyor

**Drive**  
Hydrostatic Drive, Single Foot Pedal for Forward/Reverse

**Sweeping Path Max**  
10 ft.

**Hopper Capacity Volumetric**  
3.6 Cu. Yd

**Water Capacity**  
220 Gallons

**Dumping Height Max**  
9 ft. 6 inches

**Dump Location**  
Front

**Chassis**  
Elgin Exclusive

**Travel Speed - Sweep Speed**  
20 mph - 3-5 mph



## Crosswind FSX

**Engine**  
John Deere 115 hp

**Sweep System**  
Regenerative Air

**Sweeping Path Max**  
12 ft

**Hopper Capacity Volumetric**  
8.0 Cu. Yd

**Water Capacity**  
240 - 520 gallons

**Dumping Height Max**  
Ground Level

**Dump Location**  
Rear

**Chassis**  
Conventional or Cab-Over

**Travel Speed**  
Highway Speeds

**Sweep Speed**  
10 mph (FSX 15 mph max)



## Crosswind J Plus

**Engine**  
John Deere 115 hp

**Sweep System**  
Regenerative Air

**Sweeping Path Max**  
12 ft

**Hopper Capacity Volumetric**  
8.0 Cu. Yd

**Water Capacity**  
240 - 520 gallons

**Dumping Height Max**  
Ground Level

**Dump Location**  
Rear

**Chassis**  
Conventional or Cab-Over

**Travel Speed**  
Highway Speeds

**Sweep Speed**  
10 mph (FSX 15 mph max)



## GRV

**Engine**  
325 Hp

**Conveying System**  
Vacuum through Rear mounted Suction Nozzle

**Pickup Head**  
8 ft. Width

**Capture Velocity**  
20,000 ft. per Minute

**Debris Body**  
1800 gallon

**Hydraulic Pump-Off Capacity**  
450 gallon per Minute

**Dump Location**  
Rear



## DF ACE

**Maximum Vacuum**  
up to 28 in Hg.

**Blower**  
Positive Displacement Dual-Lobe or Tri-Lobe

**Blower Drive**  
OMSI Transfer Case with shift protection

**Payload Capacity**  
18 Cu. Yd

**Filtration**  
Single Mode: Four Stage

**Baghouse**  
Dual Chambers with 72, 60 inch filter bags

**Bag Cleaning**  
115 PSI Air Cannon

**Dump Location**  
Rear



Guzzler Manufacturing, is the world's leading provider of vacuum solutions for heavy industrial applications. Guzzler products are ideal for removing wet or dry material accumulation from remote or inaccessible areas. Designed to clean up and recover a full spectrum of materials - from solids and dry bulk powders, to liquids, slurries and thick sludge. The product line features a vast array of efficient off-loading options that allow you to reclaim, recycle and redistribute valuable raw materials. Guzzler also offers unique filtration systems for superior dust collection.



## 2100 PD

**Hose Reel**  
Front Mounted 270 degree Rotating

**Hose Reel Capacity**  
600 ft.

**Blower**  
Roots/Dresser Positive Displacement

**Debris Body**  
5,10,12 or 15 cu. Yd

**Water Capacity**  
1000, 1300 or 1500 gallons

**Water Pump**  
Dual acting single piston hydraulically driven

**Pump Rating**  
100 GPM @ 2,500 PSI with oil to water ratio 1:1

**Pump Speed**  
13 cycles per minute

**Design**  
Exclusive Vactor Modul-flex

**Boom**  
180 degree rotating Front Mounted and Hydraulically driven



## 2100 Fan

**Hose Reel**  
Front Mounted 270 degree Rotating

**Hose Reel Capacity**  
600 ft.

**Vacuum Power**  
Single or Dual Stage Centrifugal Compressor

**Debris Body**  
5,10,12 or 16 cu. Yd

**Water Capacity**  
1000, 1300 or 1500 gallons

**Water Pump**  
Dual acting single piston hydraulically driven

**Pump Rating**  
100 GPM @ 2,500 PSI with oil to water ratio 1:1

**Pump Speed**  
13 cycles per minute

**Design**  
Exclusive Vactor Modul-flex

**Boom**  
180 degree rotating Front Mounted and Hydraulically driven



## HXX Prodigy

**Water Capacity**  
600 gallons

**Debris Capacity**  
6 Cu. yards

**Hose Diameter**  
6"

**Blower**  
16 inch Hg, 3200 CFM Blower

**Water Pump**  
10 GPM @2500 PSI

**Digging Medium**  
Water- Optional Air Excavation package (185 CFM, 150 PSI)

**Vacuum**  
16 inch Hg

**Dump Angle**  
50° Dump Angle

**Debris Capacity**  
6 cu. yards (9 cu. yard option)

**Boom Options**  
Extendable or Telescopic



## Ramjet

**Drive System**  
Hydraulic PTO, Direct Drive PTO or Diesel

**Pump**  
Vactor or Triplex

**Hose Reel**  
Front or Rear Mounted

**Shroud**  
Shrouded or Non-Shrouded

**GPM**  
60/65/80/100

**Water Capacity**  
1500, 2000, 2500

**Hose Reel Capacity**  
800 ft.



## Electric Unit

Used for Industrial and Military fixed applications

**Pump**  
UNx™ no special tools needed for conversions

**Operating Pressure**  
10,000/20,000/40,000 PSI

**HP**  
60 - 250 Hp

**Flow (GPM)**  
5.4 - 41.9

**UNx Fluid End**  
In-Line Uni-Valve Cartridge  
Uni-Pak Plunger Packing Set  
On-Site Pressure Conversion



## Diesel Unit

Highly configurable for special-ized applications

Trailer mounted for portability or skid mounted

**Pump**  
UNx™ no special tools needed for conversions

**Operating Pressure**  
5,000-40,000 PSI

**HP**  
110 - 5500 Hp

**Flow (GPM)**  
7.4 - 60.4

**UNx Fluid End**  
In-Line Uni-Valve Cartridge  
Uni-Pak Plunger Packing Set  
On-Site Pressure Conversion  
Guardian Waterblast Filtration System

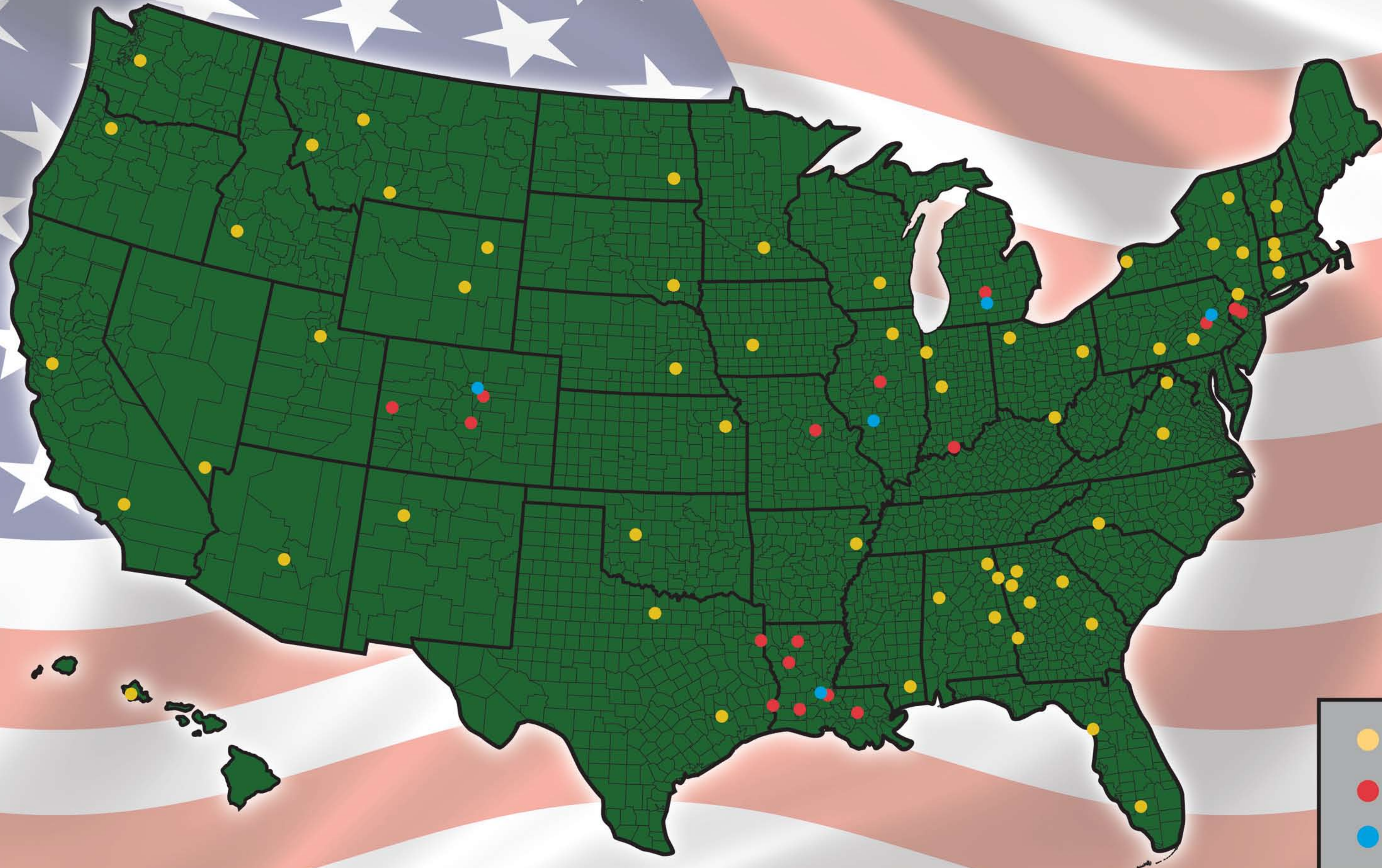


Jetstream of Houston, is a leading supplier of high and ultra high pressure water blasting solutions including units, pumps, parts, accessories for commercial and industrial cleaning and maintenance operations. Jetstream of Houston manufacturers a complete line of waterblast products and systems from 6,000 to 40,000 psi. For over 25 years Jetstream products have led the industry in quality, ease of use, maintenance and product safety.



Federal Signal products have served the military both at home and abroad, during peace times and in war. Most recently our troops in Iraq have counted on the quality and reliability during their efforts to rebuild a nation.

***OVER 100 LOCATIONS WORLDWIDE TO SERVE YOU***



***WORKING HARD TO PROVIDE YOU WITH ENVIRONMENTAL SOLUTIONS***