CLEAN...WITHOUT GETTING DIRTY.

The Elgin innovation team traversed the country, speaking to hundreds of customers at all levels within the street sweeping industry, both municipal and contractor, in pursuit of true voice-of-the-customer insights. Months of real-world prototype testing and feedback refined the sweeper design to provide customers with exactly what they want and need, while proving the reliability and durability along the way. The input of service technicians, operators, and street sweeping supervisors shaped every detail of the new RegenX® mid-dump regenerative air street sweeper. Easy to use, easy to clean, and easy to maintain while delivering the quality and proven technology that is the hallmark of Elgin Sweeper products.

The new RegenX was built by Elgin, but designed by you.

Why RegenX

Available on Non-CDL*, 26K GVW Chassis

Roll-Off Dump Height with 50° Dump Angle and 8 yd³ Hopper

• Avoid double-handling, driving back to the facility to dump, and environmental ground-dumping restrictions.

Incredibly Easy to Clean

• Simple hopper – rounded corners and external self-dumping dust separator
• Easy-access washout doors for dust separator and pickup head
• Cable-controlled drop-down screens standard

Easy to Service

• Easy to access components with locations determined by experienced service technicians
• Bolt-on wear parts whenever possible (dust separator, hopper inlet, etc.)
• Simple design with no control modules for sweeper functions

Reliable

• Better cleanliness and easier serviceability
• Highly efficient dust separator and large screen surface area reduce carryover and sand blasting
• Overall simple design – less moving parts, more uptime

ElginSweeper.com/RegenX
Phone (847) 741-5370  •  Fax (847) 742-3035
1300 W. Bartlett Road, Elgin, IL 60120 U.S.A.

*May vary based on local rules and regulations. Specifications subject to change without notice. Some items shown may be optional.
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Contact Elgin Sweeper Company for more information on design and specifications. For service or parts information, contact your local Elgin dealer. RegenX® and LifeLiner® are registered trademarks of Federal Signal Corporation.  Built By Elgin is a registered trademark of Elgin Sweeper Co. Federal Signal Corporation is listed on the NYSE by the symbol FSS.

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Elgin Sweeper Company is a wholly owned subsidiary of Federal Signal Corporation, 2119 West Voss Road, Minnetonka, MN 55343.® Federal Signal Corporation is listed on the NYSE by the symbol FSS.
Large 8 yd³ hopper capacity
56” inch roll-off container dump height
Avoid double-handling from dumping on the ground
Improve operational efficiency by placing roll-off containers along your route
Comply with environmental restrictions prohibiting dumping on the ground

CONTAINER DUMP HEIGHT

- Easy-Access to Service/Maintenance Components
- Easy-to-Use Controls
- Superior Side Broom Design
  - Pneumatic foot for adjustable side broom pressure in cab
  - Elgin’s trailing arm design provides inward motion to avoid obstructions
  - Standard parallel arm linkage allows side brooms to closely follow road contours and maintain a consistent broom tilt (angle) with the road surface
- Left-Hand Exhaust
  - Helps to avoid contact with tree limbs
- Easy-Access Switch to Drop Hopper Screens (standard)
- Bolt-on Hopper Inlet for Easy Replacement
- Bolt-on, External Dust Separator

Slotted Bolt-on Curtain Assembly
Loosen 4 bolts to remove entire curtain assembly for service
Water Level Indicator
Visible from side mirror while operating
Dual Quick Disconnect on Suction Tube
Quick disconnects at top and bottom of suction tube for ease of maintenance and access to obstructions
Extended Steel Suction Tube
Minimal corrugation in suction tube for improved material flow
Adjustable Bumper
Controllable to avoid debris containers
Adjustable Hopper Door Locks for Proper Seal

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Easy-Access to Service/Maintenance Components
Easy-to-Use Controls
Superior Side Broom Design
Left-Hand Exhaust

Highly Efficient DUST SEPARATOR

1. Dust Separator Inlet
   Dust enters the separator from the hopper
2. Centrifugal Separator Design
   Air spins around tube at high speed, forcing dust to outside walls
3. Skimmer Slot
   Dust is skimmed off into the collection chamber
4. Dust Collection Chamber
   Self-emptying chamber that evacuates when the hopper is dumped
5. Fan Inlet
   Clean air exits the separator and returns to the fan

Fan belt change in less than 5 minutes - NO TOOLS REQUIRED

Hardox Steel Fan
- Highly efficient closed-face fan with backward curved vanes
  - Hardox steel vanes for durability (used in military-grade armor)
  - Fan change can be executed in approximately 1 hour
Sealed-for-Life Bearings
- No need to grease fan bearings
  - Secondary seal to prevent dirt from getting into the bearing
Fluid Coupler
Acts as torque damper, increases reliability and life of drive system
Spring-Loaded Belt Tensioner
Maintains consistent belt tension over time, easy to adjust
Keyed and Tapered Fan Shaft
Provides ease of service

FAN DRIVE SYSTEM

MECHANICAL ACCESSIBILITY

1. Keyed and Tapered Fan Shaft
2. Spring-Loaded Belt Tensioner
3. Fluid Coupler
4. Sealed-for-Life Bearings
5. Fan Change Kit
6. Hardox Steel Fan
7. Centrifugal Separator Design
8. Skimmer Slot
9. Fan Inlet
10. Dust Collection Chamber
**THE DIFFERENCE IS SIMPLE.**

**CONTAINER DUMP HEIGHT**

- Large 8 yd³ hopper capacity
- 56” inch roll-off container dump height
- Avoid double-handling from dumping on the ground
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**Slotted Bolt-on Curtain Assembly**
Loosen 4 bolts to remove entire curtain assembly for service.

**Easy-to-Use Controls**
- No control modules

**Superior Side Broom Design**
- Pneumatic float for adjustable side broom pressure in cab
- Elgin's truing arm design provides inward motion to avoid obstacles
- Standard parallelogram linkage allows side brooms to closely follow road contours and maintain a consistent broom tilt (angle) with the road surface

**Left-Hand Exhaust**
Helps to avoid contact with tree limbs

**Easy-Access Switch to Drop Hopper Screens (standard)**

**Easy-Access to Service/Maintenance Components**

**Water Level Indicator**
Visible from side mirror while operating

**Dual Quick Disconnect on Suction Tube**
Quick disconnects at top and bottom of suction tube for ease of maintenance and access to obstructions

**Extended Steel Suction Tube**
Minimal corrugation in suction tube for improved material flow

**Adjustable Bumper**
Customizable to various debris containers

**Adjustable Hopper Door Locks**
for Proper Seal

**Easy-Access to Service/Maintenance Components**

**Fan belt change in less than 5 minutes - NO TOOLS REQUIRED**

**HIGHLY EFFICIENT DUST SEPARATOR**

**Dust Separator Inlet**
Dust enters the separator from the hopper

**Centrifugal Separator Design**
An impeller blade at high speed, forcing dust to outside walls

**Skimmer Slot**
Dust is skimmed off into the collection chamber

**Dust Collection Chamber**
Self-emptying chamber that evacuates when the hopper is dumped

**Fan Inlet**
Clean air exits the separator and returns to the fan

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**Fan Drive System**

**Hardox Steel Fan**
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- Hardox steel vanes for durability (used in military-grade armor)
- Fan change can be executed in approximately 1 hour

**Sealed-For-Life Bearings**
- No need to grease fan bearings
- Secondary seal to prevent dirt from getting into the bearing

**Fluid Coupler**
Acts as torque damper, increases reliability and life of drive system

**Spring-Loaded Belt Tensioner**
Maintains consistent belt tension over time, easy to adjust

**Keyed and Tapered Fan Shaft**
Provides ease of service
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Now available on NON-CDL CHASSIS!