

ELGIN

Subsidiary of Federal Signal Corporation



AIRPORT GLYCOL RECOVERY VEHICLE

Vacuum Glycol Efficiently At The Gate

The Elgin GRV is engineered for quick and efficient glycol clean-up at the gate and at de-icing sites. Its high air flow, wide sweep path, superior vacuum performance and efficient separation of glycol and ice result in fast, clean glycol pick-up.

Superior Vacuum Performance

Designed with a wide, 8' (2.4 m), rear mounted pick-up head, heavy-duty impeller and powerful drive engine, the GRV vacuums in a single pass wet, slippery glycol used by airports to keep planes ice free during the worst winter conditions. The vehicle's impeller is shrink-fit to the shaft to give it rugged durability. Plus, the engine fan assembly is balanced and driven by a powerful diesel engine that provides exceptional vacuum performance.



Meets EPA and Other Regulatory Requirements

The GRV's unmatched performance helps airports comply with the toughest environmental standards mandated anywhere in the world. The head's wide cleaning path and the impeller's powerful vacuum result in fast pick-up of environmentally damaging glycol and other waste materials before they migrate into the storm water system.

Dumping Is Safe & Easy

The GRV is mounted on a heavy duty chassis to facilitate rapid transport from gate to gate. The vehicle's one dump body design is equipped with a high-flow pump system that makes it easy to safely dispose a load of glycol at your container or dump site. Simple and fast dumping of the debris tank gets the GRV back to work quickly at de-icing locations.

GRV

Glycol Recovery Vehicle



Liquids Separated from Airstream

General Specifications

VACUUM SYSTEM:

Blower:	centrifugal compressor
Construction:	high strength steel
Performance:	20,000 CFM @ 70 in negative water pressure
Conveying System:	vacuum through rear-mounted high performance suction nozzle

AUXILIARY ENGINE:

Type:	6 cyl Diesel
Horsepower:	325 @ 2100 RPM
Engine Heater:	block type
Operating Temp:	-40° F to +140° F (-40° C to +10° C)

VACUUM NOZZLE:

Picking Head:	8'6" (2.6 m) width
Capture Velocity:	20,000 ft (6096 m) per minute
Design:	quad rotational
Lift Control:	hydraulically, inside cab raise and lower head; raises automatically when unit is in reverse
Head Support:	heavy-duty wheels for uneven surface

CONVEYING AIR / MATERIAL SEPARATION SYSTEM:

Material:	Conveyed directly into collection body
Material Separation:	99% efficient
Separator:	horizontally mounted, high efficiency liquid/air separator

VACUUM BLOWER DRIVE:

Drive Method:	belts, heavy-duty over-center clutch engagement
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MAIN COLLECTION BODY:

Design:	rectangular shape
Capacity:	1800 gal (6800 gal usable) (6800 L, (6956 L usable))
Construction:	mild steel
Discharge:	hydraulic rear dump liquid pump-off
Dump Door:	full width
Door Operation:	hydraulically opened & latched
Discharge Height:	48 in (122 cm) max grade from grade
Controls:	inside & outside of cab dumping controls located on vehicle's left hand side

HYDRAULIC PUMP-OFF SYSTEM:

Capacity:	450 gal (1700 L) per min
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EMULSIFYING SYSTEM (Optional)

(Breaks Glycol Adhesion From Road Surfaces):	
Capacity:	200 gal (757 L)
Delivery System:	front mounted spray bar
Pump Rating:	0-14 gpm @ 550 psi

PAINT:

conduit factory

WARRANTY:

one year on parts & labor

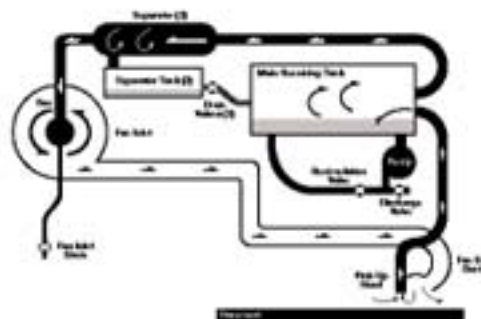
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Specifications subject to change without notice
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Powerful 325 HP engine



Wide 8' pick-up head



Materials are separated from the air stream in the main tank and in the high efficiency separator. The collected fluids are recirculated to prevent freezing between the discharge cycles.

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