



# MagneGrip®

## EXHAUST REMOVAL SYSTEMS

Eliminate Cancer  
Causing Toxins Within  
the Fire Station.



**WINDFIELDS**  
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# STANDARD FEATURES



## ✓ HIGH-EFFICIENCY FANS

MagneGrip fans are designed solely for exhaust removal and run quieter than conventional fans. Continuously welded spark-resistant, curved blades deliver highest efficiency.



## ✓ SUPPORT CABLE

Hose has an internal support cable that transfers weight to the lifting elbow and balancer to eliminate hose stretching and increases hose life. The cable connects to the nozzle to ensure consistent and safe release every time.



## ✓ HIGH TEMPERATURE HOSE

To withstand higher vehicle exhaust temperatures, the lower two feet of hose is rated to 1000+ degrees. The handle makes connecting quick and easy from a standing position.



## ✓ AMBIENT AIR

Maximum ambient air induction dissipates heat faster, cooling the system, making it safer to the touch and increasing the life of the hose.



## ✓ PATENTED PRO TAILPIPE ADAPTER

MagneGrip PRO offers the smallest standard tailpipe adapter in the industry for greater ground clearance. The PRO tailpipe adapter can be mounted flush to the vehicle body with no protrusions.



## ✓ SEALED 100%

Our patented check valve allows ambient air to enter but keeps exhaust fumes from escaping. The entire system is sealed from the tailpipe through the overhead ductwork for the best possible protection against carcinogenic contaminants.

# MAGNETIC EXHAUST REMOVAL SYSTEM COMPARISON CHART

MagneGrip Product	Straight Suction Rail System	Sliding Balancer Track System	Sliding Flexhose Track System	Simple Drop System	Vertical Stack Rail System
Accommodates Up to Four Tandem Parked Apparatus	★				
Ideal for drive-through bays	★				★
Ideal for low ceilings	★		★		
Ideal for maintenance bays or conversions				★	
For vehicles with vertical stack exhausts					★
100% seal & exhaust removal	★	★	★	★	★
Auto-starts when engine starts and auto-releases when apparatus exits	★	★	★	★	★
No hanging hose loops	★		★		★
Standard 5" hose	★	★	★	★	
Ideal for back-in bays	★	★	★	★	★
Connects to emergency and non-emergency vehicles	★	★	★	★	★
Ideal for narrow spaces	★ <b>PRO</b>	★ <b>PRO</b>	★ <b>PRO</b>	★ <b>PRO</b>	★ <b>PRO</b>

**★PRO** NOZZLE

**THE EASIEST, MOST ADVANCED NOZZLE EVER.**

With brand new flex-magnet technology, the PRO Nozzle can connect from any angle – regardless of tailpipe height and will never come in contact with the floor. The PRO Nozzle lasts longer with less maintenance, saves space in aisle ways, and of course – it has a true 100% seal, preventing leakage of exhaust fumes from the nozzle connection.

*For stations that do not want to upgrade their nozzles – MagneGrip still offers the Original nozzle and Hazvent nozzle.*





# ELIMINATE 100% OF DIESEL EXHAUST FUMES

When it comes to eliminating firefighters' exposure to cancer causing toxins from diesel exhaust fumes, 'almost,' 'nearly,' and 'virtually' aren't good enough. MagneGrip® is the ONLY true 100% sealed magnetic system meeting the NFPA 1500 Standard for diesel exhaust removal.

## KEY FEATURES ON ALL SYSTEMS

- 100% seal & exhaust removal
- Rated up to 1,000 degrees
- Meets IMC code and NOISH recommendations
- Easily attaches from standing position
- Autostarts when the engine starts
- Auto-releases when apparatus exits
- Available in 5" and 4" hoses

## Straight Suction Rail (SSR) System

Our strongest most versatile system is designed to fit in firehouses with little space to spare. It accommodates emergency response vehicles parked in tandem (up to four vehicles) and can be used for back-in or drive-through bays. The system utilizes the least amount of hose, yet still provides complete exhaust removal coverage.

### KEY FEATURES

- Designed for drive-through, tandem drive-through or back-in or single back-in applications
- Trolley with external wheels provides door to door coverage with less maintenance than any other competitor system
- Combined with PRO nozzle, provides an extremely compact system



## Sliding Flexhose Track (SFT) System

The Sliding Flexhose Track (SFT) System is the most compact source-capture exhaust removal system available. It is ideal for firehouses with back-in bays that have low ceilings or narrow spaces between vehicles—needing only 19-24 inch aisles. The SFT system has no hanging hose loops that block access to doors or loading.

### KEY FEATURES

- Ideal for low ceilings and narrow spaces
- Most compact system available
- Designed for back-in operation
- Expandable and retractable flex hose provides coverage from parked position to door threshold



## Sliding Balancer Track (SBT) System

The MagneGrip Sliding Balancer Track (SBT) System can be installed in each bay for single parked vehicles. It can be used for back-in or drive-through bays and connects to emergency or non-emergency vehicles.

### KEY FEATURES

- Best for single parked vehicles
- Designed for back-in or drive-through bays
- Dual glide trolley and balancer provides coverage from parked position to door threshold

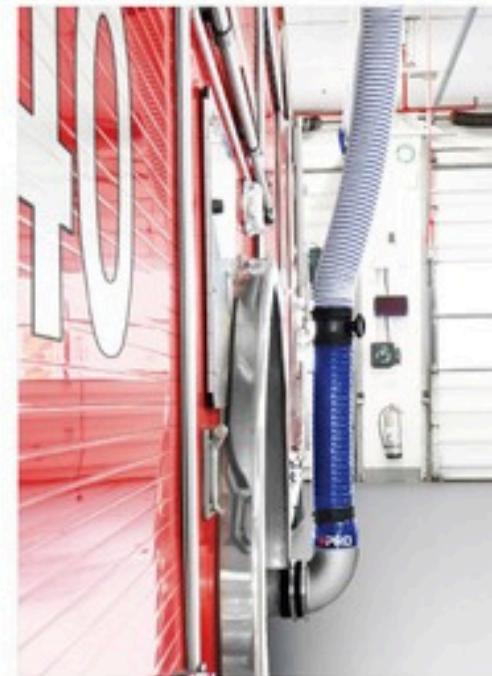
\*MagneGrip ORIGINAL nozzle pictured here

## Simple Hose Drop System

This system has the same components as the Sliding Balancer Track (SBT) System, without the track. For tight budgets, installing a Simple Hose Drop System is less expensive than a track system. It is a good option for vehicles that may be started everyday, but not used regularly for emergency runs. Later, if needs change, a track can be installed and the system converted to provide door-to-door coverage.

### KEY FEATURES

- Less expensive and budget friendly
- No track (can easily be converted to track system)
- Great choice for non-emergency connections or maintenance areas
- Can be used to convert existing pneumatic or other brand's systems



## Vertical Stack Rail (VSR) System

This hoseless system requires no manual connection for vehicles that have vertical stack exhausts. As the apparatus enters the firehouse, the stack catcher adjusts horizontally to align the suction rail with the vertical stack exhaust. MagneGrip's nine-inch rail (the industry's largest) provides maximum airflow.

### KEY FEATURES

- For vehicles with vertical stack exhausts
- No hose required



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MECHANICAL GROUP INC



*Jack Rossman, Chief Operating Officer; Maggie Rossman-Roach, President; Tom Rossman, Chief Logistics Officer*

## MAGNEGRIp IS THE EASIEST WAY TO ELIMINATE DIESEL EXHAUST FUMES

Based in Cincinnati, Ohio, MagneGrip is committed to firefighter health and safety with over 40 years of experience in the air cleaning industry. Proudly owned and operated by Midwest Ohioans, MagneGrip is ISO 9001:2015 certified, manufactured, and assembled in the USA, and all money spent with MagneGrip stays in the USA. MagneGrip is the only 100% sealed magnetic system available – let us demonstrate why more fire departments are choosing MagneGrip

# MagneGrip®

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EXHAUST REMOVAL SYSTEMS

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