MRP - MINI RAIL PROFILE

The preferred rail system for confined spaces and/or low ceilings.

REMOVE THE DANGERS OF DIESEL EXHAUST

Hazardous vehicle exhaust emissions in your facility can be the most significant cancer health risk and also a serious legal liability. Eliminate this hazard with Plymovent code compliant* vehicle exhaust capture and removal systems.

From existing, to new turn-key facilities, our totally automatic start-up and disconnect source capture systems are the recommended method for controlling exhaust emissions in your space.

*The World Health Organization (WHO) classified **diesel engine exhaust as carcinogenic to humans (Group 1),** based on sufficient evidence that exposure is associated with an increased risk for lung cancer.*

*Code compliant if properly designed, installed and/or maintained in specific facility application.

THE MINI RAIL PROFILE (MRP) SYSTEM

The MRP is a vehicle exhaust extraction system ideal for emergency response station, vehicle repair facility, or vocational trade school with confined spaces and/or low ceilings. The MRP is fully automatic, can accommodate up to two vehicles in tandem but can be engineered to accommodate more if need be. *Contact your local Plymovent dealer to find out more information.*

HOW IT WORKS

With an extruded aluminium rail and an internal crab, the MRP is installed overhead along the apparatus or service bays and is connected to an exhaust fan. The internal crab is equipped with the proven concept of lower, mid and upper hose combined with the **Plymovent Magnetic Grabber®** and can be positioned at any service bay where extraction is needed.

APPLICATIONS

VEX
- Military facilities
- Automobile plants
- Department of Transportation facilities
- Motorcycle/ATV garages
- Fleet service & repair bays
- Agricultural equipment facilities
- Bus depots

Fire & EMS
- Fire stations
- EMS stations
- ARFF stations
- Municipal fire stations
- Military fire stations

Plymovent has over 75,000 installations of its well-recognized vehicle exhaust source capture and ventilation systems across all above industries.
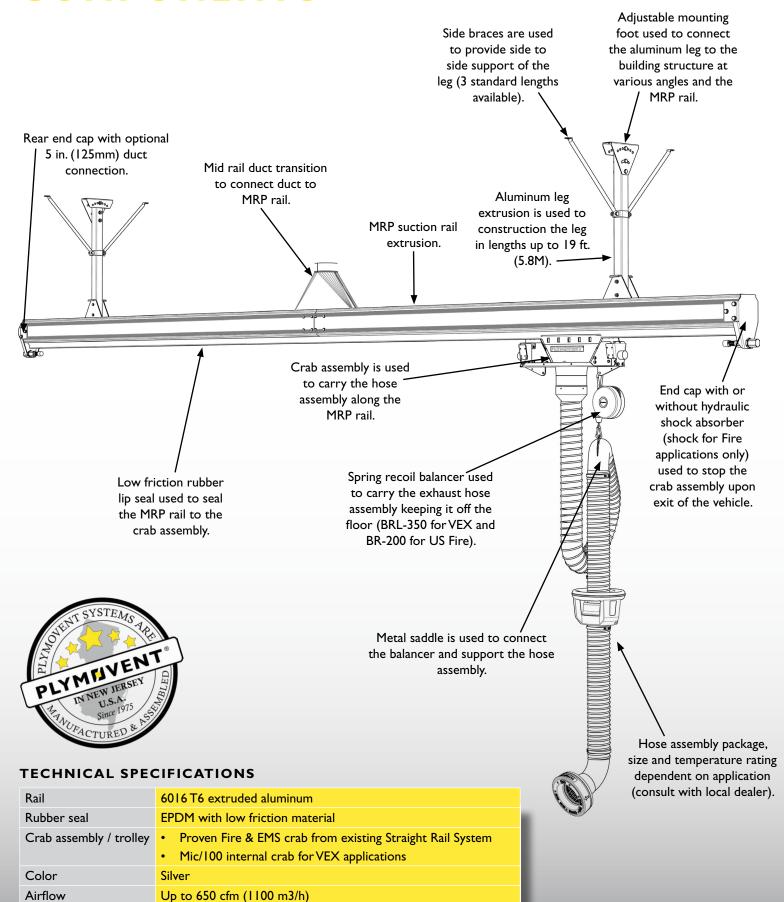
BENEFITS

Easy to use • Captures **virtually 100%** of exhaust emissions • Suitable for **confined spaces** • **Fully** automatic • Standard design accommodates **up to 2 vehicles** in tandem

COMPONENTS

Side braces are used to provide side to side support of the leg (3 standard lengths available).

Adjustable mounting foot used to connect the aluminum leg to the building structure at various angles and the MRP rail.

Rear end cap with optional 5 in. (125mm) duct connection.

Mid rail duct transition to connect duct to MRP rail.

MRP suction rail extrusion.

Aluminum leg extrusion is used to construction the leg in lengths up to 19 ft. (5.8M).

Crab assembly is used to carry the hose assembly along the MRP rail.

End cap with or without hydraulic shock absorber (shock for Fire applications only) used to stop the crab assembly upon exit of the vehicle.

Low friction rubber lip seal used to seal the MRP rail to the crab assembly.

Spring recoil balancer used to carry the exhaust hose assembly keeping it off the floor (BRL-350 for VEX and BR-200 for US Fire).

Metal saddle is used to connect the balancer and support the hose assembly.

Hose assembly package, size and temperature rating dependent on application (consult with local dealer).

PLYMOVENT SYSTEMS ARE MANUFACTURED & ASSEMBLED
PLYMOVENT®
IN NEW JERSEY U.S.A.
Since 1975

TECHNICAL SPECIFICATIONS

Rail	6016 T6 extruded aluminum
Rubber seal	EPDM with low friction material
Crab assembly / trolley	• Proven Fire & EMS crab from existing Straight Rail System • Mic/100 internal crab for VEX applications
Color	Silver
Airflow	Up to 650 cfm (1100 m3/h)
Operating Temperature	All ambient conditions allowed
Options & Accessories	Please refer to MRP Product Data Sheet (PDS)

FIRE & EMS VS. VEX

Main features*	FIRE & EMS	VEX
Perfect for both narrow bays and/or low ceilings	✓	✓
Provides an economic solution for long, back-in bays	✓	✓
Can service up to 2 apparatus per rail	✓	✓
Standard options up to 65ft (20m) in length	✓	✓
Replaces the need for horizontal hose track systems	✓	
Eliminates the need for numerous horizontal hose supports	✓	
Ergonomic design	✓	✓
Highest hose temperature ratings in the Fire & EMS industries	✓	
Hoses available to suit virtually any temperature requirement		✓
Little to no maintenance required	✓	✓
Inertia absorbing shock assembly	✓	

Ask your sales representative for the full feature list

In an emergency service application, the "crab" or trolley assembly that has served in our Straight Rail System (STR) is utilized allowing for smooth travel and easy release when exiting the apparatus bay.

In a vehicle exhaust (VEX) application other than an emergency response scenario, a more simple "crab" or trolley is used. In this application the nozzle is manually released from the vehicle tailpipe. This allows a more affordable option for garages and vocational trade and tech schools.

For more information, please contact your authorized Plymovent distributor or visit our website.

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Plymovent cares about the air you breathe. We offer products, systems and services which ensure clean air at work, anywhere in the world.

We respect the environment and we deliver high-quality products. Our expertise gained over many years and our genuine commitment to customer requirements enable us to provide precisely the solutions you need.