

MagnaRail Green

High quality low maintenance exhaust removal system



MagnaRail Green

- ✓ Reliability – Uses the same proven technology as the time proven Magna Series, only the magnet and release are different.
- ✓ Assisted Release – The system offers an assisted release from the vehicle and does not just pull of the truck through sheer force but also provides a lifting action providing a smoother safer release with less recoil and swing back than competitive systems.

MagnaRail Green is a high capacity system designed to handle high operation requirements. Up to two vehicles can be attached to the same rail for a drive through or back in application for vehicles with low level tail pipes. The suction rail is formed in a configuration such that the extrusion serves not only as an exhaust duct, but also as the guide rail that the extraction trolley travels in. The rail is available up to 99 ft.

The fan/duct work can be connected to the rail via either an end outlet or one/several top outlets depending on the length of the rail.

6" diameter hose – The system uses a 6" diameter hose providing up to 800 cfm, the most of any system on the market.

8" Nozzle - The 8" diameter nozzle provides greater ambient air intake providing cooling air which extends system life.



Anchor Plate – The Nederman system attaches to an anchor plate mounted on the vehicle body and uses that for the pulling force of the system, not the exhaust pipe which was never designed to pulled on by systems that attach to the exhaust pipe.

Specialty Nozzles – Nederman designs special nozzles to work with and fit the newer EPA 07 tailpipes. We do not need to change the tip of the exhaust pipe to work with the Green system which could void the manufacturer's warranty.

Auto Start System – With the Nederman Auto Start System, the exhaust fan is activated prior to the start of the vehicle's engine ensuring 100% capture of exhaust. Other styles of starting systems are unreliable and prone to failure.

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Models




| | Item no | Diameter, hose (in) |
|---|-------------------------|---------------------|
|  | 20817064 ^[1] | 160 |
|  | 20816964 ^[1] | 6 1/4 |

^[1] Including - Aluminum track (1), Mounting brackets for 2.4 m distance (2), Rubber stop (3), Sliding block (4), Balancer (5), Swivel (6), Hose connector, Exhaust hose (7), Low level nozzle, length - 2 ft, diameter - 5 in (8), Electro-magnet assembly (9), Anchor plate (10)

Accessories

| | Accessory | Item no |
|--|--|----------|
| | 920 Exhaust Rail Length = 17.5 m (57 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916620 |
| | 920 Exhaust Rail Length = 7.5 m (24 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916220 |
| | 920 Exhaust Rail Length = 10 m (33 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916320 |
| | 920 Exhaust Rail Length = 12.5 m (41 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916420 |
| | 920 Exhaust Rail Length = 15 m (50 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916520 |
| | 920 Exhaust Rail Length = 20 m (66 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916720 |
| | 920 Exhaust Rail Length = 22.5 m (74 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916820 |
| | 920 Exhaust Rail Length = 25 m (82 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20916920 |
| | 920 Exhaust Rail Length = 27.5 m (90 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20917020 |
| | 920 Exhaust Rail Length = 30 m (99 ft) - Complete with suspension parts, joint connectors, rubber seals, end covers and end stops. | 20917120 |
| | MagnaSystem Standard Nozzle Diameter = 6 in (160 mm) - Low Level (LL) | 20802164 |
| | MagnaSystem HB 600 Nozzle Diameter = 6 in (160 mm) - Low Level (LL) - Anchor plate to be mounted 23.6 in (600 mm) from Exhaust Pipe | 20802264 |
| | MagnaSystem HB 900 Nozzle Diameter = 6 in (150 mm) - Low Level (LL) - Anchor plate to be mounted 35.4 in (900 mm) from Exhaust Pipe | 20802464 |

Accessories

| | Accessory | Item no |
|---|---|----------|
|  | Anchor plate for MagnaRail/MagnaRail Green/MagnaTrack ST Green | 20372003 |
| | Top Mounted Round Exhaust Outlet for 920 and MagnaRails - Outlet Diameter = 8 in (200 mm) | 20374246 |
| | Transmitter vehicle GHz | 20376723 |
| | Receiver GHz | 20376724 |
| | Handheld transmitter GHz | 20376725 |
| | Hose protection ø130/160 (Pair) | 20374428 |
| | Twist support for Magna Systems - HL nozzle | 20374364 |
| | Extension handle/shaft for Magna Systems - HL nozzle (17) | 20374359 |
|  | Receiver Gen II US | 89116065 |
| | Rail Trolley for 920/400 Rail - Diameter = 4 in (100mm) | 20374378 |
|  | Magna-Green Earth magnet conversion kit | 86900382 |
| | Oval Nozzle for Dual Ppipe Vehicle Exhaust - 6 in (160 mm) | 86900371 |
| | Flex Nozzle ONLY - 6 in (150 mm) with 9 in (225 mm) opening 2007en | 89298061 |

Accessories

| Accessory | Item no |
|--|----------|
| Flex Nozzle ONLY - 6 in (150 mm) with 8 in (200 mm) opening 2007en | 89298064 |
| Fan Motor Starter Auto Start Control Panel - 3 HP / 208-230 V / 3 PH / 60 Hz | 89116051 |
| Fan Motor Starter Auto Start Control Panel - 3 HP / 208-230 V / 1 PH / 60 Hz | 89116050 |
| Flex Nozzle ONLY - 6 in (150 mm) with 10 in (250 mm) opening 2007en | 89298065 |

A: Pressure drop, Pa B: Airflow, m³/h C: Airflow cfm D: Pressure drop, in w.c. Top diagram: 1 = Top connection angled, Ø 200 mm 2 = End connection 3 = Exhaust rail, per metre Bottom diagram 1 = Extraction unit LL, hose 4 m, Ø130 mm 2 = Extraction unit LL, hose 4 m, Ø160 mm 3 = Extraction unit HL, hose 2 m, Ø160 mm