

Exhaust Hose Reels

The complete range of hose reels that meets all requirements



The PlymoVent Exhaust Hose Reel range is designed to meet every exhaust extraction need in today's modern vehicle repair shop. The line ranges from low budget solutions to unique heavy duty applications, making PlymoVent the number one full range supplier of hose reels.

Models for every type of application along with an extensive choice of hoses, accessories and control systems provide maximum flexibility. They are the ideal solution for every situation. Easy handling and reliable design guarantees convenient use and an exhaust-free environment.

Choosing PlymoVent will provide you with many years of reliable service as well as an economical solution to indoor pollution.

PLYMOVENT®

Spring Operated Hose Reel SER

A small investment keeps cumbersome hoses away - now with up to Ø 200 mm/8 inch hose



TECHNICAL DATA

Max hose length:

10 m / 33 ft

Hose diameters:

75 mm / 3 inch

100 mm / 4 inch

125 mm / 5 inch

150 mm / 6 inch

200 mm / 8 inch (1050-200)

Duct connection:

Ø 160 mm / 6,3 inch

Ø 200 mm / 8 inch (1050-200)

Lifting capacity:

19 kg / 42 lbs -450,-650,-850

34 kg / 75 lbs -1050-200

Drum width:

450 mm / 18 inch

650 mm / 25,5 inch

850 mm / 33,5 inch

1050 mm / 41,5 inch

Weight w/o hose:

SER-450, 44 kg / 97 lbs

SER-650, 49 kg / 108 lbs

SER-850, 54 kg / 119 lbs

SER-1050-200, 68 kg / 150 lbs



Reliable power in twin-spring safety-sealed cartridge lifts up to 34 kg / 75 lbs and provides smooth, trouble free operation.

Solid, stable and maintenance free design and construction ensures long life span and economy.



PlymoVent hose reels can be installed with direct mounted fan (n/a for 1050-200) or connected to a central system and with automatic energy saving air control.

Proven reliability

Easily mounted on ceiling or wall, the SER has proven its reliability for years in auto workshops and service stations all over the world.

The spring-operated exhaust reel works smoothly and is easy to use. Pull down the hose and it locks in the desired position. Pull again and the hose rewinds to the adjustable end stop.

Maintenance free design

A sturdy twin spring cartridge provides the power for hoses up to 10 m/ 33 ft and thus gives a large covering area. The sealed drum without sharp edges means smooth operation and protection of the hose from wear and tear.

Easily mounted on wall or ceiling with just four bolts and a simple duct connection, it keeps the workshop free from exhaust.

For every budget

Installed as a single reel with fan or in a series of reels with control system, the SER, together with the wide choice of accessories, offers an efficient exhaust solution.

With a small initial investment, easy installation and maintenance-free design the SER gives economy that satisfies every budget.

Motorised Hose Reel MHR

The affordable Motorised Hose Reel

Cost efficiency

MHR is a cost-effective time-saving solution for today's auto workshops. The very favourable level of investment and the easy cost-saving installation make choosing the motorised MHR an easy decision.

Adding versatility and quick, easy handling, the MHR represents cost efficiency at its best.

No hoses hanging down

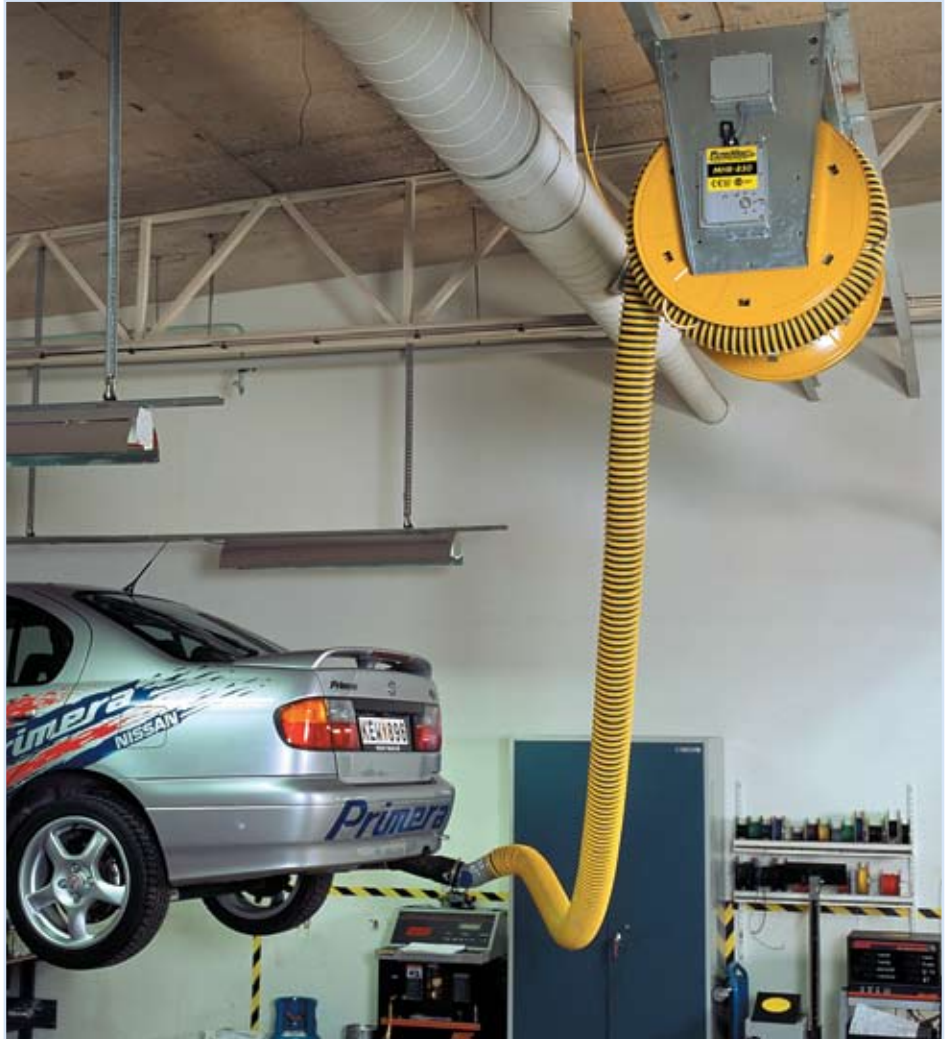
With the increasing number of high-roof vehicles in workshops, the need for hose reels that wind the hose all the way back on the reel is apparent.

Contrary to spring-operated hose reels, the MHR solves the problem of hoses hanging down, obstructing the traffic in the workshop with risk for damage to cars or accidents with personnel.

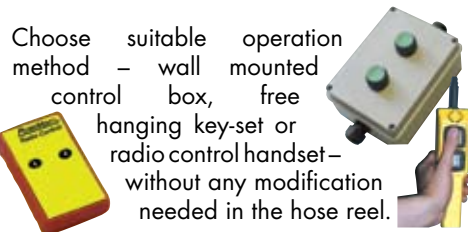
Designed for practicality

The integrated electronic control design makes installation easy. It eliminates the need for complicated wiring, thus shortening the installation time.

A standard overload protection device and hose end stops, are valuable safety features preventing accidents, damages and unexpected costs. Handling is smooth and easy with the choice of wall-mounted control, free-hanging key-set or radio control.



The standard compact motor has end position switches already pre-set to the supplied hose, easily adjusted when needed. A standard automatic overload relay protects the motor from excess strain.



Choose suitable operation method – wall mounted control box, free hanging key-set or radio control handset – without any modification needed in the hose reel.



With single-phase power supply, MHR lifts up to 23 kg / 51 lb and offers a drum width for up to 12.5 m / 41 ft length of \varnothing 150 mm / 6 inch hose. The lightweight design and simple single phase electrical connection means time and cost-saving installation.

TECHNICAL DATA

Max hose length:

12.5 m / 41 ft

Hose diameters:

75 mm / 3 inch

100 mm / 4 inch

125 mm / 5 inch

150 mm / 6 inch

Duct connection:

\varnothing 160 mm / 6,3 inch

Power Supply, Lifting capacity:

1~230 V – 50 Hz, 23 kg / 51 lb

1~120 V – 60 Hz, 15 kg / 33 lb

1~ 220 V – 60 Hz, 23 kg / 51 lb

Drum width:

650 mm / 25,5 inch

850 mm / 33,5 inch

1050 mm / 41,5 inch

Weight w/o hose:

MHR-650, 46 kg / 101 lb

MHR-850, 51 kg / 112 lb

MHR-1050, 56 kg / 123 lb

Motorised Hose Reel MER

The Heavy Duty Hose Reel - now with up to Ø 200 mm/8 inch hose

For demanding applications

The MER is the ideal solution for truck, bus and construction off-road vehicle workshops with high ceilings and heavy high temperature hoses.

The rugged strength of the MER gives an extra margin for these applications, specifically if hoses are frequently raised and lowered.

Though the MHR lifting capacity of up to 23 kg / 51 lb is fully adequate for most vehicle workshops, the MER 50 kg / 110 lb lifting capacity gives extra edge for the more demanding applications.

Trouble-free operation

Trouble-free operation is provided through the use of a gear motor drive system which allows maximum lifting capacity to handle any exhaust hose and nozzle. A standard overload relay and circuit breaker protect the mechanism from accidental strain and damage, providing long trouble-free life.

Standard end position limit switches make handling safe and uncomplicated for the operator.

Strength, safety, reliability

With built-in strength, the MER will seldom be pushed to its limits. The power margin and strong transmission serve as a guarantee for long, reliable performance without costly workshop downtime.

The strength is also a safety feature for the operator and the vehicles being serviced. It's a strength that pays off in the long run.



MER takes the weight of any hose on the market, like long high temperature hoses for heavy vehicle exhaust in high ceiling applications.

MER is delivered with a modern control box including safety devices as standard. Radio control handset or free hanging key set as accessory makes it even easier to handle the heavier hoses.



The unique power and rugged design of MER meet tough demands. Automatic safety functions, as standard, protect the mechanism from accidental overload.



TECHNICAL DATA

Max hose length:

12.5 m / 41 ft

Hose diameters:

75 mm / 3 inch

100 mm / 4 inch

125 mm / 5 inch

150 mm / 6 inch

200 mm / 8 inch (1250-200)

Duct connection:

Ø 160 mm / 6,5 inch

Ø 200 mm / 8 inch for 1250-200

Power Supply, Lifting capacity:

3~220 V – 60 Hz, 50 kg / 110 lbs

3~230/400 V – 50 Hz, 50 kg / 110 lbs

3~400 V – 50 Hz, 50 kg / 110 lbs

Drum width:

850 mm / 33,5 inch

1050 mm / 41,5 inch

1250 mm / 49,2 inch

Weight w/o hose:

MER-850, 62 kg / 137 lbs

MER-1050, 67 kg / 148 lbs

MER-1250-200, 75 kg / 165 lbs

Automatic control systems saving both energy and working time!

An extraction system with automatic control has several advantages, cutting down the pay-off time for the control system. Extraction air is used only when a reel is in operation, reducing energy costs for fan and heated air.

With a control system, the central fan can also be sized smaller, saving additional costs. Noise level is lowered and the working time becomes more productive.

Automatic controls

Suitable for small to medium sized garages (2-5 workplaces) or in workshops with low to medium frequency of use where an automated control of the exhaust system is desired. Micro switches installed on the hose reel or hose drop balancer are activated when extractors are used. The micro switches will activate the fan starter that controls the fan.



Hose reels with micro-switches MSR-24/2, fan starter SA-24 and TEV fan.

Automatic operation

The fan is switched on and off automatically when the hose drop or hose reel is used.

For small to medium sized garages

Suitable for garages with 2-5 workplaces.

Medium frequency use

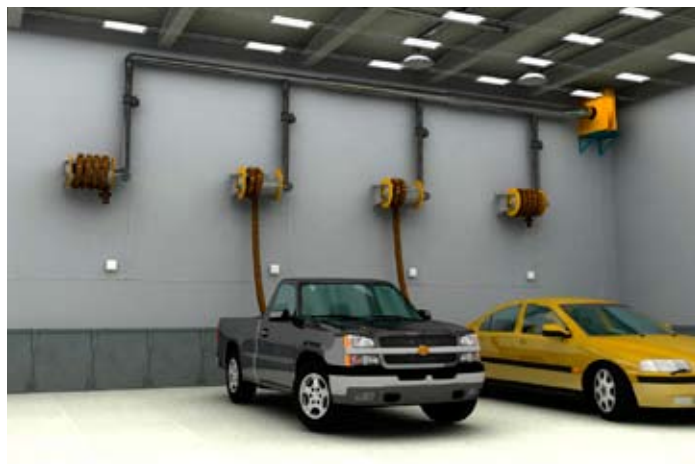
Applications where the exhaust extractors are used on a daily basis.

Cost savings

Savings on extracted heated air and fan power consumption thanks to automation.

Automatic controls with energy saving functions

Suitable for medium to big sized garages (4-10 workplaces) or in workshops with medium to high frequency of use where an automated control of the exhaust system is required. Micro-switches on the hose reels or balancers are activated when extractors are used. The micro-switch activates the local motorised damper and at the same time a fan starter will operate the central exhaust fan.



Hose reels with micro-switches MSR-24/2, motorised dampers MD-160, fan starter SA-24 and TEV fan

Automatic operation, local and central

The local damper will open and the central fan starts when the hose is pulled or run down.

When the hose is retracted, the local damper will close and the central fan will stop after the last local extractor is retracted.

For medium sized garages

Suitable for garages with 4-10 workplaces.

Medium to high frequency use

In applications where the exhaust extractors are used regularly on a daily basis.

Cost savings

Downsizing of fan and duct system.

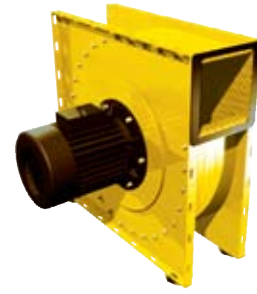
Savings on extracted heated air and fan power consumption thanks to automation.

For more information about controls, see separate leaflet.

Fans, hoses, nozzles and accessories

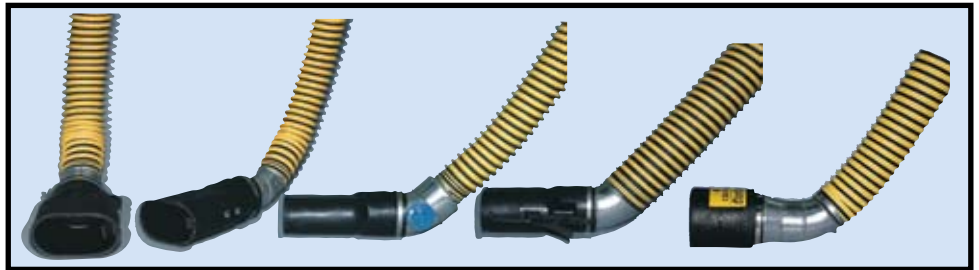
The modern, efficient fan line

The latest fan technology provides even and highest possible air-flow at a low power consumption. The very low noise level illustrates the point of efficiency in each of the fan sizes. The fan range goes from 1300 m³/h / 765 CFM to 11 000 m³/h / 6474 CFM capacity. (See separate leaflet for details).



Complete line of nozzles

A full line of rubber and metal nozzles is available to fit any type of vehicle. The oval design rubber nozzles fit modern exhaust pipes as well as traditional round ones. Hose connections from 75 mm / 3 inch to 150 mm / 6 inch and rubber nozzle sizes from 115 mm / 4,5 inch to 160 mm / 16,5 inch. Metal nozzle sizes available from 100mm/4 inch to 200mm/ 8 inch.



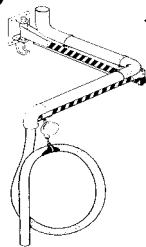
Hoses for every requirement

The wide range of diameters, lengths and temperature resistances secures the right choice for every application. Choose between 150°C / 300F up to 300°C / 570 F resistance and dimensions from Ø 75 mm / 3 inch up to Ø 150 mm / 6 inch, standard or crush resistant.



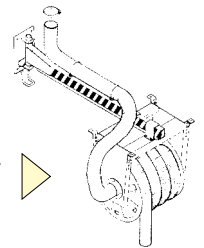
Swinging arms – complete coverage

PlymoVent's double articulated swinging arm for exhaust hose and the single arm with exhaust reel are the ideal solutions for complete coverage over a large area. These are further examples of the multitude of solutions that PlymoVent offers.



Swinging arm with suspended hose by balancer and ratchet provides reach and convenient handling.

Swinging arm with suspended hose by balancer and ratchet provides reach and convenient handling.



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