

PLYMOVENT[®] **Exhaust Hose Reels**

The complete range of hose reels that meets all requirements



The PlymoVent Exhaust Hose Reel Line 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[®]
We give you Clean Fresh Air

Spring Operated Hose Reel SER -650, -850

A small investment keeps cumbersome hoses away



TECHNICAL DATA

Max hose length:

10 m / 33 ft

Hose diameters:

75 mm / 3"

100 mm / 4"

125 mm / 5"

150 mm / 6"

Duct connection:

Ø 160 mm / 6,25"

Lifting capacity:

19 kg / 42 lbs

Drum width:

650 mm / 25"

850 mm / 33"

Weight w/o hose:

SER 650, 49 kg / 107 lbs

SER 850, 54 kg / 118 lbs



Reliable power in twin-spring safety-sealed cartridge lifts 19 kg/42 lbs and provides smooth, trouble free operation.

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



All PlymoVent hose reels can be installed with direct mounted fan 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 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 -650, -850, -1050

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 motorized MHR an easy decision.

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

No hoses hanging down

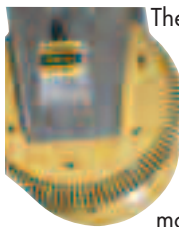
With the increasing number of high-roof vehicles in workshops, the need for hose reels that wind the hose all the way back on the reel is apparent.

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

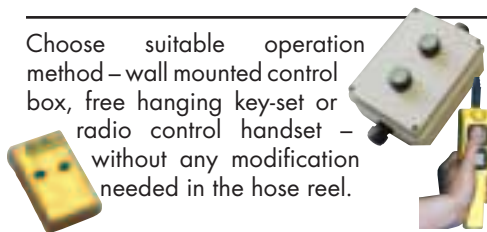
The integrated electronic control design makes installation easy. It eliminates the need for complicated wiring, thus shortening the installation time.

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.

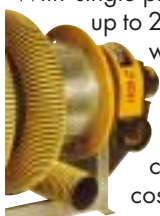


The standard compact motor has end position switches already pre-set to the supplied hose, easily adjusted when needed. A standard automatic overload relay protects the motor from excess strain.

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/50 lbs and offers a drum width for up to 12.5 m/41 ft of \varnothing 150 mm/6" hose length. 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"

100 mm / 4"

125 mm / 5"

150 mm / 6"

Duct connection:

\varnothing 160 mm / 6.25"

Power Supply, Lifting capacity:

1~230 V – 50 Hz, 23 kg / 50 lbs

1~120 V – 60 Hz, 15 kg / 33 lbs

1~ 220 V – 60 Hz, 23 kg / 50 lbs

Drum width:

650 mm / 25"

850 mm / 33"

1050 mm / 41"

Weight w/o hose:

MHR 650, 46 kg / 101 lbs

MHR 850, 51 kg / 112 lbs

MHR 1050, 56 kg / 123 lbs

Motorised Hose Reel MER -850, -1050

The Heavy Duty Hose Reel

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 or if only 120 V power supply is available.

Though the MHR lifting capacity of up to 50 lbs/23 kg is fully adequate for most vehicle workshops, the MER 30 kg lifting capacity gives 30% 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.



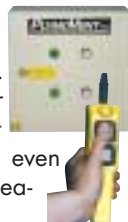
MER takes the weight of any hose on the market, like long high temperature hoses for heavy vehicle exhaust in high ceiling applications.



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"

100 mm / 4"

125 mm / 5"

150 mm / 6"

Duct connection:

Ø 160 mm / 6.25"

Power Supply, Lifting capacity:

1~115 V – 60 Hz, 30 kg / 66 lbs

3~220 V – 60 Hz, 30 kg / 66 lbs

3~230/400 V – 50 Hz, 30 kg / 66 lbs

3~400 V – 50 Hz, 30 kg / 66 lbs

Drum width:

850 mm / 33"

1050 mm / 41"

Weight w/o hose:

MER 850, 62 kg / 136 lbs

MER 1050, 67 kg / 147 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 dimensioned smaller, saving additional costs. Noise level is lowered and the working time becomes more productive.

Exhaust activated control system

This system automatically starts the fan when a car engine connected to the hose is turned on. The system opens the airflow only for the hose reel in use. When the car engine is turned off, the air extraction continues for a pre-set after-run time, between 7 sec and 6 min. The system is suitable for 3 or more hose reels, motorised or spring operated, and can also be operated manually.



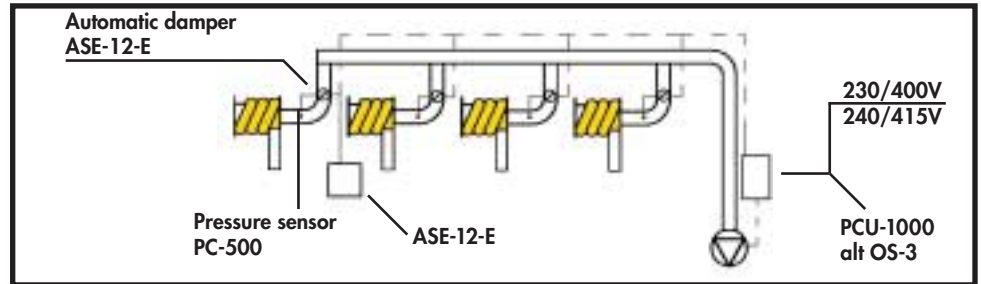
Control unit PCU-1000 (in USA OS-3)
One system control unit connects to pressure sensor PC-500 and damper ASE 12-E in each hose reel duct.

Automatic damper ASE-12-E

Motorised damper that automatically opens and cuts off airflow.

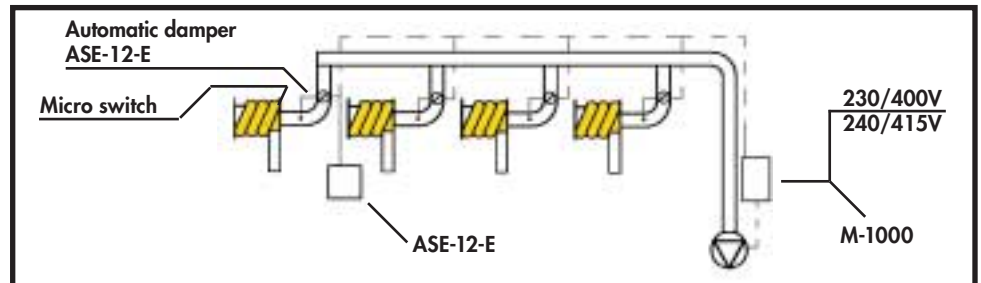


Pressure sensor PC-500
Activates the control unit, damper and fan.



Hose activated control system

This system automatically starts the fan when the hose is unwound. The system opens the airflow only for the hose reel in use. When the hose is recoiled the air extraction continues for a pre-set after-run time, between 7 sec and 6 min. The system is suitable for 3 or more hose reels, motorised or spring operated, and can also be operated manually.



Control unit M-1000

Control unit M-1000 connects to automatic damper ASE-12-E with micro switch in each hose reel duct.

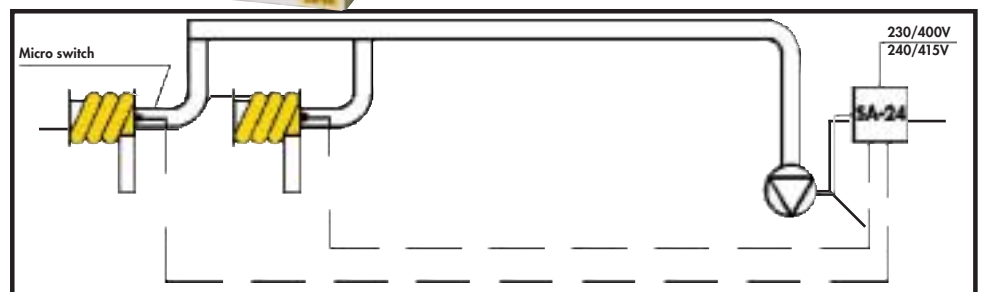
Hose activated fan start system

A convenient system that starts and stops the fan. A micro switch mounted on the hose reels activates the fan starter when the hose is unwound or recoiled. This system is designed for one or two hose reels. For more than two hose reels a damper control system is recommended.



Starter SA-24

A micro switch, MS-24, on the hose reel is used in conjunction with SA-24 starter.



Fans, hoses, nozzles and accessories

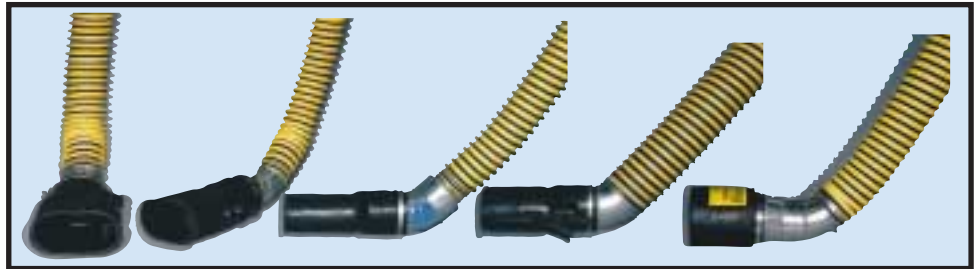
The modern, efficient fan line

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 9 fan sizes. The fan range goes from 1300 m³/h / 765 cfm to 11 000 m³/h / 6470 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", to 150 mm / 6" and rubber nozzle sizes from 115 mm / 4.5" to 160 mm / 6.3". Metal nozzle sizes available from 100 mm / 4" to 200 mm / 8".



Hoses for every requirement

The wide range of dimensions, lengths and temperature resistances secures the right choice for every application. Choose between 150°C / 300°F up to 650°C / 1200°F resistance and dimensions from Ø 75 mm / 3" up to Ø 150 mm / 6", standard or crush resistant.



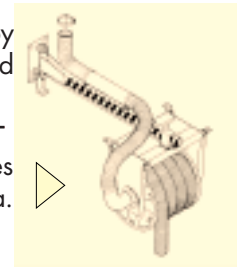
Swinging arms – complete coverage

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 exhaust reel enables coverage over a wide floor area.



PLYMOVENT®

We give you Clean Fresh Air
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