

Spring Exhaust Reel – SER

PLYMOVENT®
INTELLIGENT PROCESS VENTILATION™

Keep cumbersome exhaust hose out of your way

Today the appearance of your shop reflects the quality of your service. If you are tired of tripping over hoses or want a cleaner looking shop, the SER is the right product for you.



The four-bolt mounting system is perfect for do-it-yourself installations. Whether you mount the SER on the wall, ceiling or floor, it will give you years of trouble-free service.

The SERF combines a spark-resistant fan, in one self-contained package, just add power to the fan and you are ready to go.

You can always up-grade your SER/SERF to a motorized MHR/MHRF (see page 28) in the future by simply buying the reel motor up-grade kit.

TECHNICAL DATA

Spring Exhaust Reel – SER

Prod. no.	Drum width	Hose connection	Max hose length		Duct connection	Weight w/o hose
			on drum			
SER-650-75	650 mm/25.6"	Ø 75 mm/3"	12.5 m/41.0 ft		Ø 160 mm/6.3"	49 kg/108 lbs
SER-650-100	650 mm/25.6"	Ø 100 mm/4"	10.0 m/32.8 ft		Ø 160 mm/6.3"	49 kg/108 lbs
SER-850-100	850 mm/33.5"	Ø 100 mm/4"	13.0 m/42.6 ft		Ø 160 mm/6.3"	54 kg/119 lbs
SER-850-125	850 mm/33.5"	Ø 125 mm/5"	11.0 m/36.1 ft		Ø 160 mm/6.3"	54 kg/119 lbs
SER-850-150	850 mm/33.5"	Ø 150 mm/6"	10.0 m/32.8 ft		Ø 160 mm/6.3"	54 kg/119 lbs
SER-1050-125	1050 mm/41.3"	Ø 125 mm/5"	14.0 m/45.9 ft		Ø 160 mm/6.3"	59 kg/130 lbs
SER-1050-150	1050 mm/41.3"	Ø 150 mm/6"	12.5 m/41.0 ft		Ø 160 mm/6.3"	59 kg/130 lbs

- The SER/SERF spring cassette will lift hose/nozzle combinations up to 19 kg/42 lbs. (Hose and nozzle must be ordered separately.)
- Hose reels with fans are available in all common worldwide voltages.
- Hose reels can be integrated with PlymoVent Intelligent Control Equipment, see pages 48-54.

PlymoVent reserves the right to make design and technical changes.

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Case Study – Nissan AB, Sweden

Customer

Nissan AB, Agnesfridsvägen 190, Malmö, Sweden

Problem

Car dealerships service and bolt-on accessory business is a key profit center for successful growth. Nissan Motor group wanted to outfit their new dealership with state of the art equipment to maximize production, profitability and image. Having to breathe harmful exhaust was not in their business plan.

Solution and how we did it

After reviewing the architectural plans for the new facility, PlymoVent engineered a solution. The customer explained that he had nine proposed service bays and required all service technicians to have their own exhaust extraction, since the service volume was to be extremely high. The solution was to install nine SER-650-100 exhaust hose reels, one per work bay, with EH-100-7.5 exhaust hose and a Grabber® nozzle. A common airtight ductwork system was connected to a FA-7500 exhaust fan that was exhausted through the exterior wall. Fan controls were provided with an SA-24/microswitch controller that was installed to start the fan only when the system was in use.



PlymoVent equipment supplied:

- 9 SER-650-100 – Exhaust reel
- 9 EH-100-7.5 – Exhaust hose
- 9 GN-125-100 – Grabber® nozzle
- 1 FA-7500 – Exhaust fan
- 1 SA-24 – Microswitch Exhaust fan controller

Case Study – Frank-Nyman OY, Finland



Customer

Frank-Nyman OY, Palomiehentie 8, Espoo, Finland

Problem

The company Frank-Nyman OY is the authorized dealer for Kawasaki, Suzuki and Honda motorcycles in Espoo, Finland. The small workshop had a problem with carbon monoxide in high temperatures generated by the motorcycles when testing after repairs. The conditions had both customers and employees complaining.

Solution and how we did it

After a review of the workshop and the test procedure, PlymoVent engineered a solution. The customer explained that two service technicians work on motorcycles that will run simultaneously. The solution was to install two SER-650-75 exhaust hose reels with EF-75-7.5 exhaust hose. The tailpipe was fitted with a rubber exhaust nozzle that easily slipped over the exhaust tailpipe. The two exhaust reels were connected to an exhaust fan model FS-3000 with air tight ductwork and exhausted to the outside through the roof. The service engineer controlled the starting and stopping of the exhaust fan with a push button starter, mounted next to the service technician's tool locker.

PlymoVent equipment supplied:

- 2 SER-650-75 – Exhaust reel
- 2 EF-75-7.5 – Exhaust hose
- 2 REN-115-75 – Rubber nozzle
- 1 FS-3000 – Exhaust fan
- 1 PBS-1 – Push Button Starter