

## HOSE REEL ON RAIL (HRR)

### VEHICLE EXHAUST HOSE REEL

HRR combines the Plymovent SER hose reel and unique crab/trolley system to move the hose and nozzle along the Plymovent VSR rail, so multiple bays can be served.

The trolley travels outside of the rail profile, and the trolley duct opens the rubber seal lips within the profile. Typically the exhaust fan for these systems is mounted remotely and connected to the top of the rail in one or multiple locations along the rail, using galvanized steel duct.

### APPLICATIONS

HRR is ideal for service centers in which multiple bays are positioned and storage of the hose is preferred: public works garages, auto-service centers, fleet maintenance facilities and vo-tech schools. 

### SPECIFICATIONS

#### Hose Reel lifting capacity

Maximum load (hose and nozzle):

- One Spring: 40 lbs (18 kg)
- Dual Spring: 75 lbs (34 kg) - available for 850, 1050 and 1050-200 models only

#### Installation

On ceiling or wall; SER-450, 650, 850 and 1050 can be mounted to a pivoting boom assembly (not available for the SER-1050-200)

#### Hose Reel Model Range

SER-450 SER-650, SER-850, and SER-1050: 4 to 6 in. (100 to 150 mm) hoses

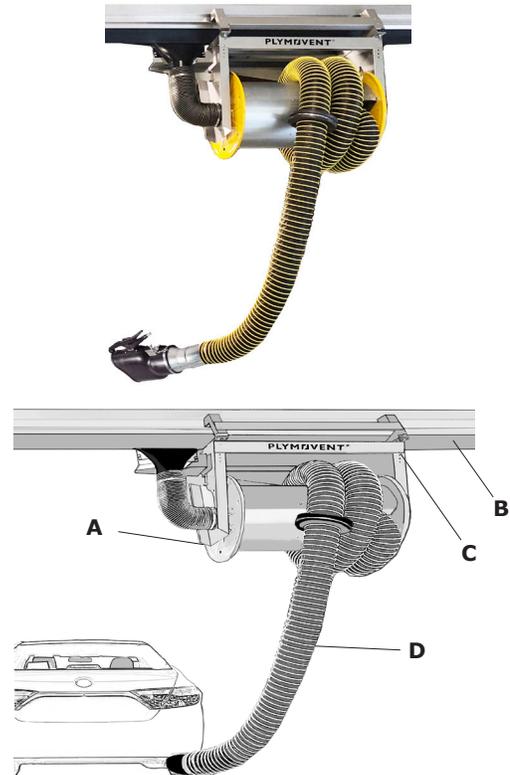
SER-1050-200 for 8 in. (200 mm) hose

**Note:** A hose mounting kit is needed for 450, 650, 850 and 1050 models, but not the 1050-200 model.

#### Hose Mounting Kits - includes hose stop, connection reducer and clamps.

MAS-100	4 in. (100 mm) hose
MAS-125	5 in. (125 mm) hose
MAS-150	6 in. (150 mm) hose

Note: SER-650 is not available in USA and Canada.



### CONSTRUCTION

- SER hose reel: smooth, zinc-plated drum on which the hose rolls; zinc-coated and powder-coated steel frame provides support and strength for longevity and robustness; A-Frame made of primed and powder-coated steel.
- Aluminum square rail length ranges from 19 to 80 ft (5,8 to 24,3 m) with 3.3 in. (84 mm) opening for crab.
- HRR crab that runs externally on rail and sealed via flexible rubber lip. Operators can slide hose reel left or right as needed.
- Plymovent exhaust hoses (must be ordered separately) can support temperatures up to 800°F. Various nozzles are available based on exhaust type and size; MAS kit contains a "hose stop" or ring that can be positioned to ensure adequate height when hose is recoiled.

The SER spring cassette is located on the outside of the hose reel assembly, simplifying spring replacement if needed.

In addition, the spring is enclosed in a sealed metal casing to prevent the spring from coming out of the enclosure and causing injury during handling.

AIRFLOW VOLUME: GENERAL GUIDELINES		
Vehicles Serviced	cfm (m <sup>3</sup> /h)	Hose Diameter
Automobile	270-300 (460-510)	4 in. (100 mm)
Motorcycle	600-650 (1020-1105)	6 in. (150 mm)
Trucks (Public Works, Rental Fleets, etc.)	500-550 (850-935)	5 in. (125 mm)
Heavy Duty Trucks	650-800 (1020-1360)	6 in. (150 mm)
Off-Road (Constr., Compressor Tests, etc.)	1100-1400 (1900-2400)	8 in. (200 mm)

**Note:** Make sure the weight of the hose, hose stop and tailpipe adapter selected do not exceed the SER lifting capacity.

**ACCESSORIES**

**Hose Types:**

**EG2** - High quality fabric composite hose designed for exhaust gas temperatures of 350°F (177°C) continuous. Spike temperature capability: 400°F (205°C). Recommended for areas that service cars and light trucks.



**EF2** - High quality fabric composite hose designed for exhaust gas temperatures of 570°F (300°C) continuous. Spike temperature capability: 660°F (350°C). Recommended for areas that service heavy trucks and off-road vehicles.



Other hoses are available. Consult Plymovent for additional data and details.

**Nozzles:**

See separate data sheet for nozzles.



**Fans:**

See separate data sheets for F-Series and TEV fans.



**Hose Mounting Kit:**

Kits includes U-clamp, hose stop, reducer and edge protection.

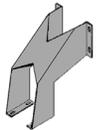


HOSE LENGTH RECOMMENDATIONS			
Prod.no.	Hose Diameter	Maximum Hose Length	Weight without Hose
SER-450-75	Ø 3 in. (75 mm)	24 ft (7,5 m)	97 lbs (44 kg)
SER-450-100	Ø 4 in. (100 mm)	20 ft (6 m)	97 lbs (44 kg)
SER-650-100*	Ø 4 in. (100 mm)	33 ft (10 m)	108 lbs (49 kg)
SER-650-125*	Ø 5 in. (125 mm)	25 ft (7,5 m)	108 lbs (49 kg)
SER-850-100	Ø 4 in. (100 mm)	32.8 ft (10 m)	119 lbs (54 kg)
SER-850-125	Ø 5 in. (125 mm)	36.1 ft (11 m)	119 lbs (54 kg)
SER-850-150	Ø 6 in. (150 mm)	32.8 ft (10 m)	119 lbs (54 kg)
SER-1050-100	Ø 4 in. (100 mm)	41 ft (12,5 m)	138 lbs (67 kg)
SER-1050-125	Ø 5 in. (125 mm)	41 ft (12,5 m)	138 lbs (67 kg)
SER-1050-150	Ø 6 in. (150 mm)	41 ft (12,5 m)	138 lbs (67 kg)
SER-1050-200	Ø 8 in. (200 mm)	32.8 ft (10 m)	190 lbs (86 kg)

\*650 models are not available in USA and Canada.

**Fan Mounting Kit:**

Direct mount fans to hose reels are available: Plymovent fans include FUA-1800 to 2700 models, selected for the required airflow and static pressure. Consult Plymovent or your authorized distributor for details.



**Micro Switch MSR-24/2:**

Hose reel triggered automatic fan/damper start/stop.



**Fan Starters:**

Allows remote start of fan triggered by the hose reel. Choose from SA-24, ES-90, and DCV, including magnetic coil contractors, overhead, transformer and fuses. UL/CE CSA Listed.



**Motor-driven Damper:**

MD-160 or 200: Motorized damper Ø 6.3 or 8 in. (Ø 160 or 200 mm). Power supply: 24 VAC. Open and close speed: 8 seconds.



**Transformer TR-24:**

Transformer 115/230 to 24 VAC to supply motor-driven dampers when no other control equipment is used.





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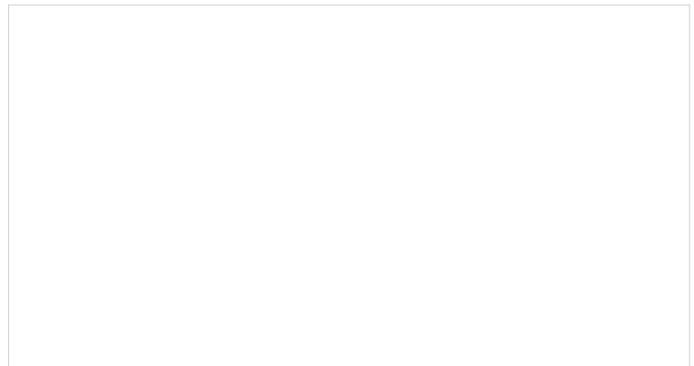
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Plymovent Corp. is ISO 9001:2015 Certified.



**Plymovent Authorized Distributor:**



Product type	<b>HRR™</b>
Article no.	see remaining specifications
Product category	hose reels
Version	051118/1

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