

SPRING OPERATED HOSE REEL

VEHICLE EXHAUST EXTRACTION REEL

The spring operated hose reel (SER) uses an enclosed spring cassette to recoil the exhaust hose. An operator can pull down the hose to the desired position and pull down again to retract the hose.

SER is recommended for small to medium-sized working areas in which the hose needs to be stored when not in use. This hose reel limits potential damage to personnel and vehicles. The SER maximum lifting capacity is 18 kg (40 lbs)*, or available with double springs for a maximum lifting capacity of 34 kg (75 lbs)*.

* at hose diameter 6 in. (150 mm)

APPLICATIONS

The SER is intended to be used for the following applications:



- To eliminate hazardous vehicle exhaust emissions with our vehicle exhaust capture and removal systems for the following segments: fire and emergency service stations as well as military facilities.

SPECIFICATIONS

Physical dimensions and properties

Material	
• frame	• textured powder coat galvanized steel
• drum	• textured powder coat galvanized steel and galvanized steel

Colour	
• frame	• iron grey (RAL 7011)
• drum sidewheels	• yellow (RAL 1004)

Ambient conditions

Operating temperature:	
• min.	• 32°F (0°C)
• nom.	• 68°F (20°C)
• max.	• 104°F (40°C)
Max. relative humidity	80%
Outdoor use allowed	no
Storage conditions	• 32 - 68°F (0 - 40°C) • relative humidity max. 80%

Options and accessories

Automatic damper | MSR-24/2 switch for automatic fan start and/or damper control | hose stop | double springs

Scope of supply

Hose reel | hose and nozzle to be ordered separately

Order information

Article no.	Refer to table SHIPPING DATA on page 3
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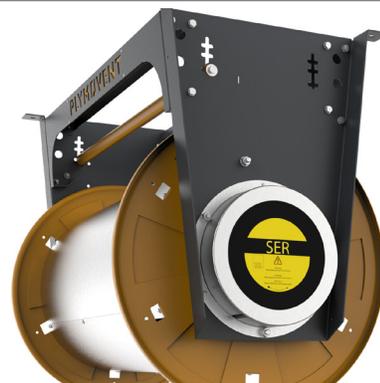
Shipping data

Gross weight	Refer to table SHIPPING DATA on page 3
Packing dimensions	Refer to table SHIPPING DATA on page 3
Harmonized Tariff Code	84219990
Country of origin	The Netherlands

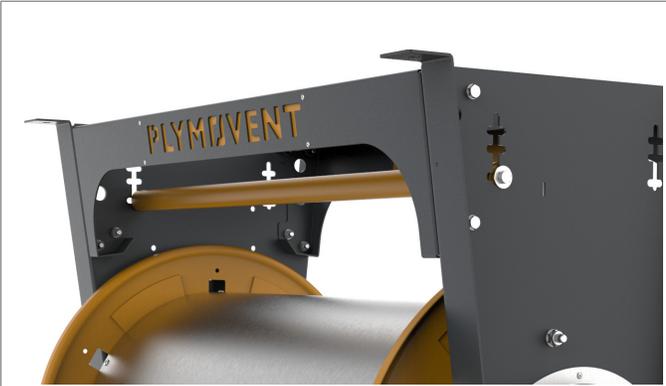
FEATURES & BENEFITS



Sturdy frame

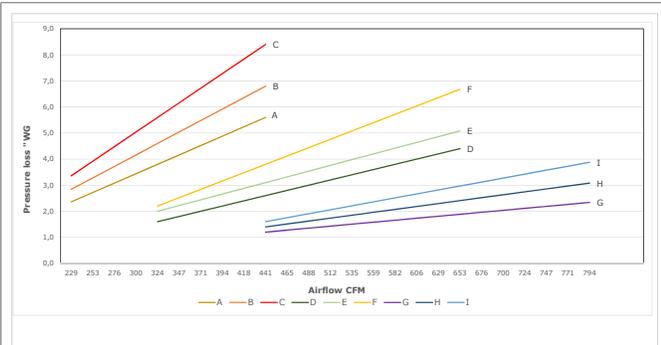


Strong spring to wind the hose up and down



Adjustable hose stop bar

PRESSURE LOSS

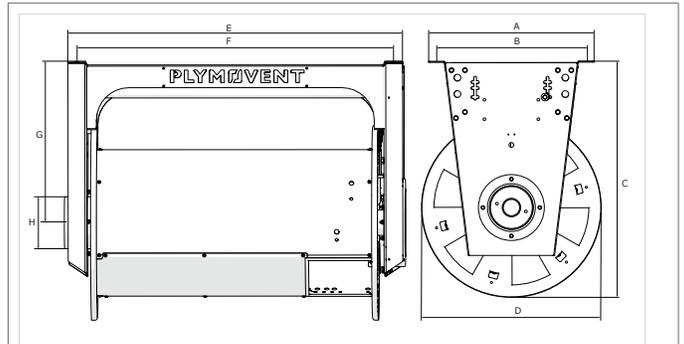


The diagram shows the pressure loss in the hose reels at different airflows in uncoiled position.

Read the diagram at the recommended airflows:
Cars 211 cfm (360 m³/h)
Trucks 635 cfm (1080 m³/h)

	Hose diameter	Hose length
A	Ø 4 in. (100 mm)	7,5 m
B	Ø 4 in. (100 mm)	10 m
C	Ø 4 in. (100 mm)	12,5 m
D	Ø 5 in. (125 mm)	7,5 m
E	Ø 5 in. (125 mm)	10 m
F	Ø 5 in. (125 mm)	12,5 m
G	Ø 6 in. (150 mm)	7,5 m
H	Ø 6 in. (150 mm)	10 m
I	Ø 6 in. (150 mm)	12,5 m

DIMENSIONS



	SER-450	SER-650
A	21.7 in. (552 mm)	21.7 in. (552 mm)
B	19.7 in. (500 mm)	19.7 in. (500 mm)
C	31 in. (789 mm)	31 in. (789 mm)
D	23.6 in. (600 mm)	23.6 in. (600 mm)
E	24.7 in. (628 mm)	32.6 in. (828 mm)
F	22.6 in. (573 mm)	30.4 in. (773 mm)
G	19.3 in. (489 mm)	19.3 in. (489 mm)
H	Ø 6.3 in. (160 mm)	Ø 6.3 in. (160 mm)

	SER-850	SER-1050
A	21.7 in. (552 mm)	21.7 in. (552 mm)
B	19.7 in. (500 mm)	19.7 in. (500 mm)
C	31 in. (789 mm)	31 in. (789 mm)
D	23.6 in. (600 mm)	23.6 in. (600 mm)
E	40.5 in. (1028 mm)	48.3 in. (1228 mm)
F	38.3 in. (973 mm)	46.2 in. (1173 mm)
G	19.3 in. (489 mm)	19.3 in. (489 mm)
H	Ø 6.3 in. (160 mm)	Ø 6.3 in. (160 mm)*

* Ø 8 in. (200 mm) for the SER-1050-200 models

SHIPPING DATA

Description	Art. no.	Gross weight*		Packing dimensions	
		lbs.	kg	inch	mm
SER-450	0000301490	154	70	31.5 x 35.4 x 43.4	800 x 900 x 1100
SER-450-AD	0000301492	159	72	31.5 x 35.4 x 43.4	800 x 900 x 1100
SER-650	0000301469	165	75	31.5 x 35.4 x 43.4	800 x 900 x 1100
SER-650-AD	0000301470	170	77	31.5 x 35.4 x 43.4	800 x 900 x 1100
SER-850	0000301475	176	80	31.5 x 47.2 x 43.4	800 x 1200 x 1100
SER-850-AD	0000301478	181	82	31.5 x 47.2 x 43.4	800 x 1200 x 1100
SER-850-DUAL SPRING	0000302677	196	89	31.5 x 47.2 x 43.4	800 x 1200 x 1100
SER-850-AD-DUAL SPRING	0000302678	201	91	31.5 x 47.2 x 43.4	800 x 1200 x 1100
SER-1050	0000301484	181	82	31.5 x 59 x 43.4	800 x 1500 x 1100
SER-1050-AD	0000301481	185	84	31.5 x 59 x 43.4	800 x 1500 x 1100
SER-1050-DUAL SPRING	0000301485	205	93	31.5 x 59 x 43.4	800 x 1500 x 1100
SER-1050-AD-DUAL SPRING	0000301488	209	95	31.5 x 59 x 43.4	800 x 1500 x 1100

*Gross weight includes packaging. The hose reel's net weight is 23 kg or 50 lbs less.

Product type

SER

Article no.

See table SHIPPING DATA

Product category

Hose reels

Version

21FEB2023/B

Always check the latest version on www.plymovent.com