

PlymoVent Demand Control Ventilation/Pressure Transmitter (DCV/PT)

The PlymoVent Demand Control Ventilation (DCV) system will pay for itself within months, not years!



The DCV with pressure transducer is recommended when you want to save energy and reduce your systems' air volume based on demand. The DCV works with a pressure transmitter that monitors the air pressure in the duct system and adjusts the fan speed by adjusting the fan motor's frequency. When a vehicle is started, the pressure transmitter senses the change in the ductwork pressure and increases the air volume based on the number of vehicles running. This system guarantees that the proper air volume is always provided and eliminates excess air that will waste energy. DCV controllers are available to modulate motors from 0.75 - 55 kW/1 - 75 HP.



TECHNICAL DATA

Prod. no. DCV Controller	Motor	Max Amperage	Weight
FO-007	0.75-1.1 kW / 1.0-1.5 HP	3.4	12.0 kg / 26.4 lbs
FO-022	2.2 kW / 3.0 HP	6.5	11.0 kg / 24.2 lbs
FO-040	4.0 kW / 5.0 HP	9.0	22.0 kg / 48.4 lbs
FO-055	5.5 kW / 7.5 HP	14.8	57.0 kg / 59.4 lbs
FO-075	7.5 kW / 10.0 HP	18.0	27.0 kg / 59.4 lbs
FO-110	11.0 kW / 15.0 HP	24.0	52.0 kg / 114.4 lbs
FO-150	15.0 kW / 20.0 HP	31.0	58.0 kg / 127.6 lbs
FO-185	18.5 kW / 25.0 HP	39.0	58.0 kg / 127.6 lbs
FO-225	22.5 kW / 30.0 HP	45.0	80.0 kg / 176.0 lbs
FO-300	30.0 kW / 40.0 HP	60.0	80.0 kg / 176.0 lbs
FO-370	37.0 kW / 50.0 HP	75.0	105.0 kg / 231.0 lbs
FO-450	45.0 kW / 60.0 HP	91.0	105.0 kg / 231.0 lbs
FO-550	55.0 kW / 75.0 HP	112.0	105.0 kg / 231.0 lbs

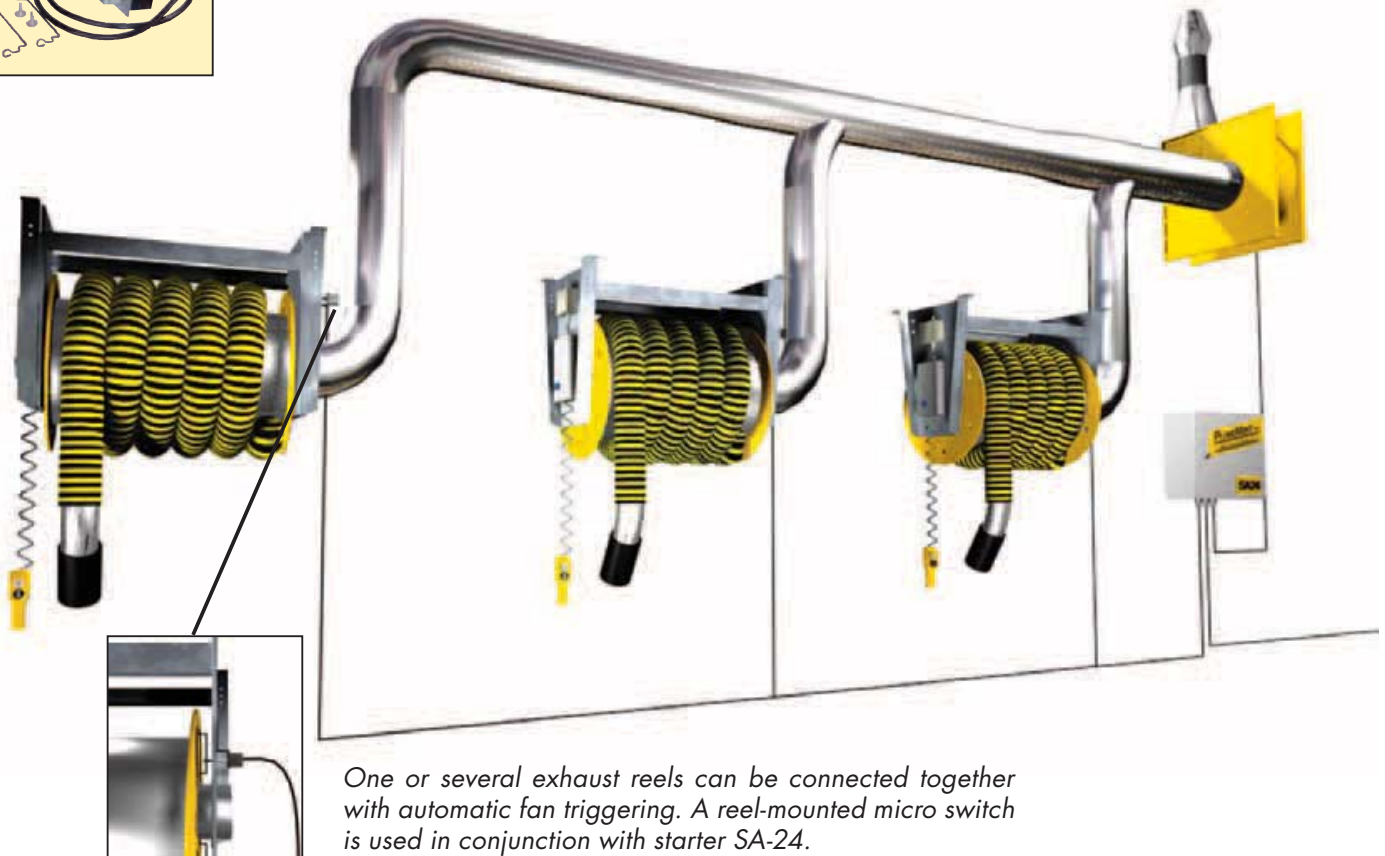
PlymoVent Starter SA-24 / Micro Switch MSR-24

The PlymoVent starter, SA-24, enables you to operate the fan in connection with a micro switch.



The SA-24 is recommended when you require a magnetic motor starter to control the fan for multiple exhaust reels or drops. The SA-24 is ordered to match the fan motor KW/HP, voltage and phase. The controller comes complete with a step-down transformer that will reduce the line voltage to 24 V control voltage.

This allows connection to remote start/stop devices. The hose reel micro switch is one that automatically starts the fan when the hose is pulled down. When the hose is retracted, the fan will stop. The SA-24 is available with motor voltages from 115-600 V, single or three phase and 50 or 60 Hz.



One or several exhaust reels can be connected together with automatic fan triggering. A reel-mounted micro switch is used in conjunction with starter SA-24.

TECHNICAL DATA

Prod. no.	Description
SA-24	Starter for fan. To be combined with relevant motor overload (not included). Transformer: 24 V/75 W
MSR-24	Micro Switch

PlymoVent reserves the right to make design and technical changes.

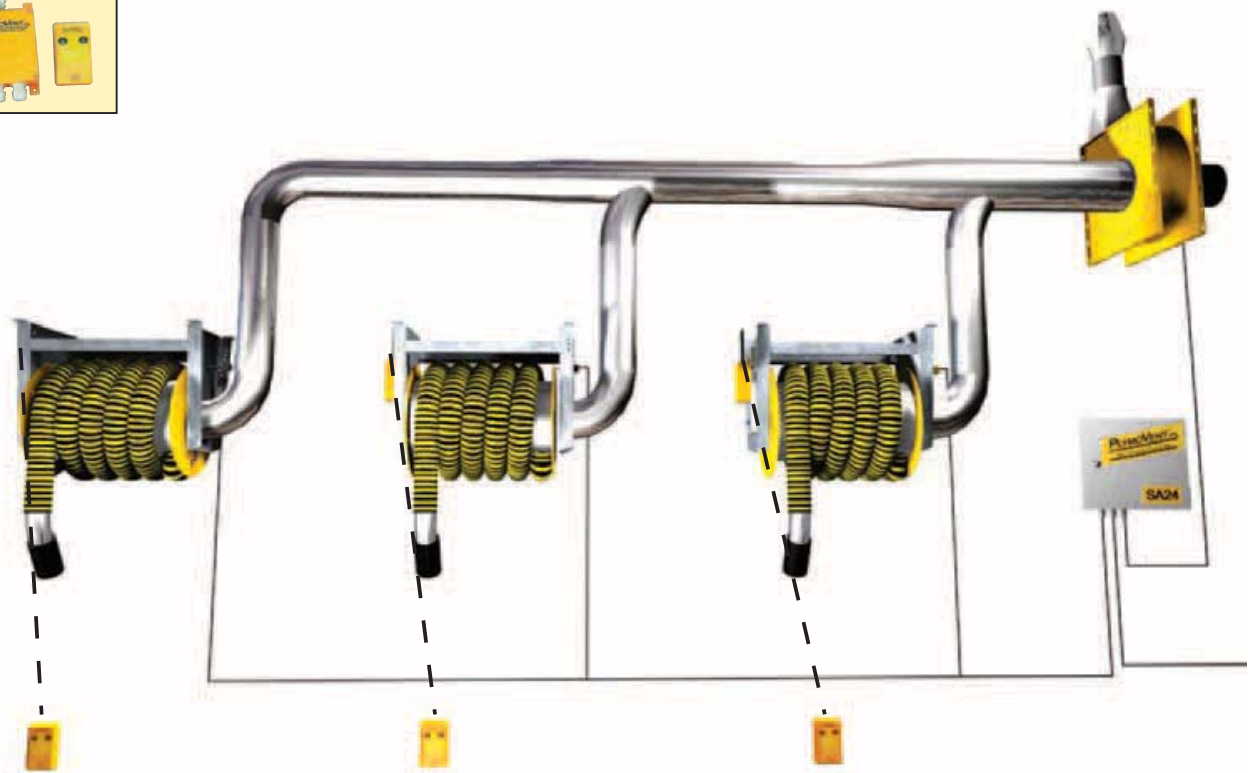
PlymoVent Starter SA-24 and Radio Transmitter

The SA-24 and radio transmitter can be combined to work together.



This system is recommended when you require that each worker has full control of their part of the system and when remote push button for starting or lowering the hose is not practical. The radio control system utilizes a hand held transmitter which controls the up/down of the hose and

starting/stopping of the fan. The hand held transmitter is small and light weight and will fit in your pocket or clip to your toolbox or belt. The radio receiver is run on 115 or 240 V, single phase, 50 or 60 Hz and will handle transmissions from up to 300 m/ 985 ft.



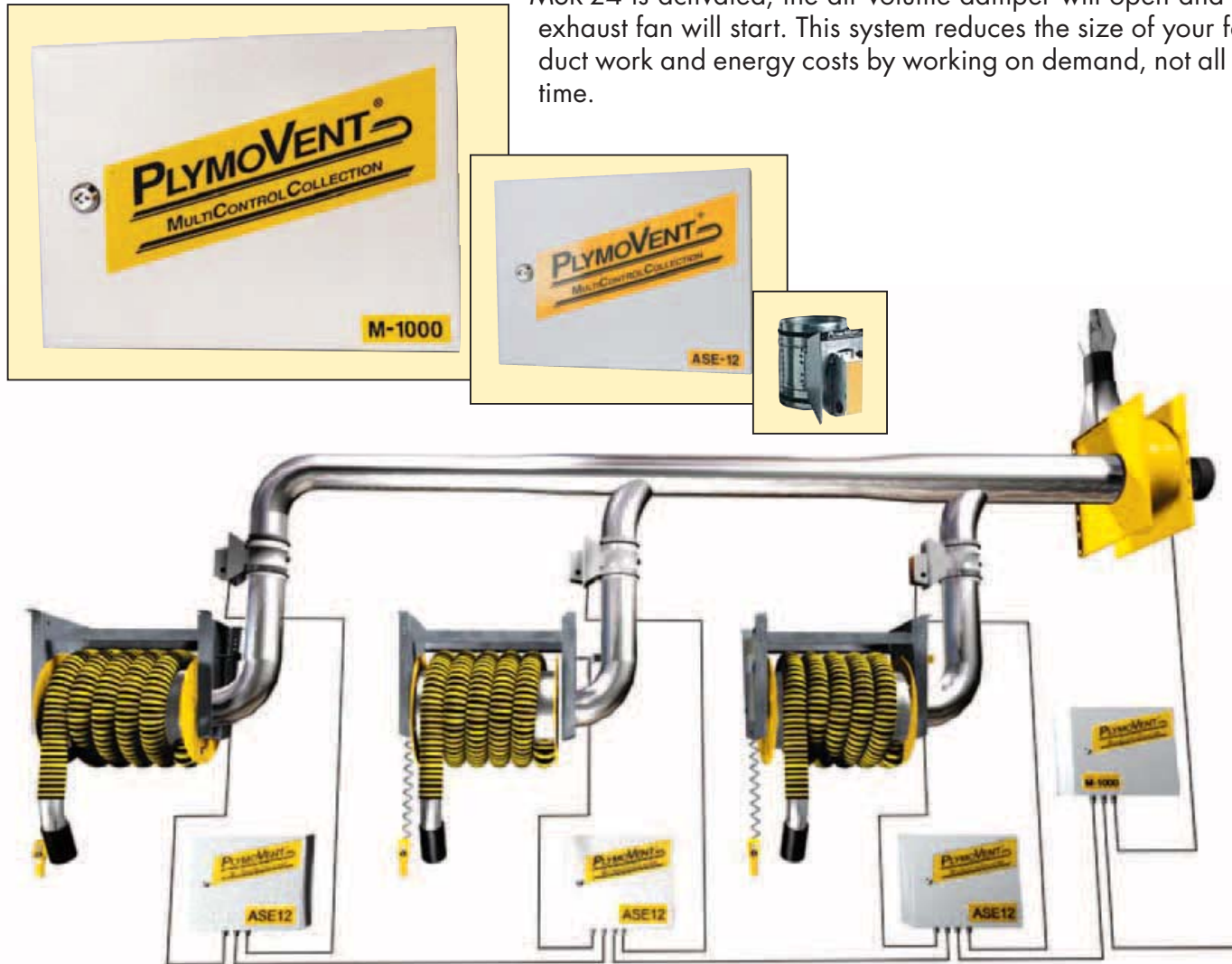
TECHNICAL DATA

Prod. no.	Description
SA-24	Starter for fan. To be combined with relevant motor overload (not included). Transformer: 24 V/75 W
939736-X	Transmitter, one per vehicle/person
10405-1011	Receiver, one per transmitter

PlymoVent Starter M-1000 / ASE-12-E

M-1000 with ASE-12-E dampers reduces system size of fan and duct work.

This control system is recommended when you require that only the exhaust drop you are using has air flow and all others are closed while not in use. When the exhaust drops senses air flow from the engine or an MSR-24 is activated, the air volume damper will open and the exhaust fan will start. This system reduces the size of your fan, duct work and energy costs by working on demand, not all the time.



By use of the automatic damper ASE-12-E, the central fan can be sized for just the number of simultaneously used hose reels.

TECHNICAL DATA

Prod. no.	Description
M-1000	Control Unit
ASE-12-E	Automatic Damper
MSR-24	Micro Switch
PC-500	Pressure Sensor

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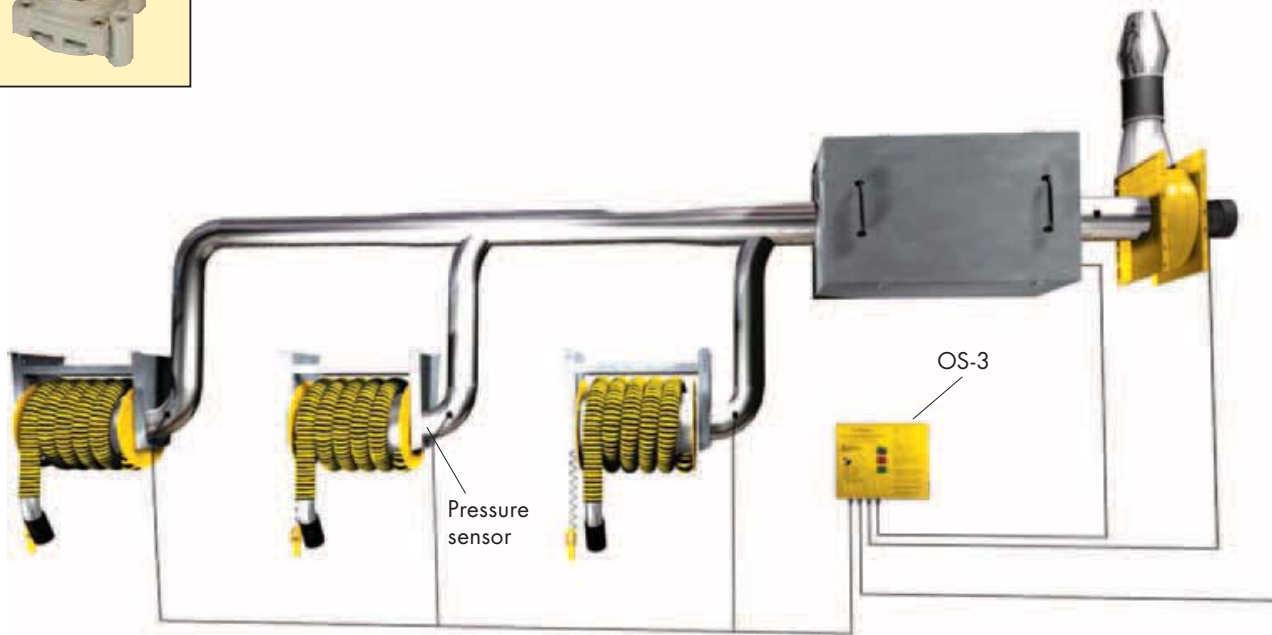
PlymoVent OS-3

The OS-3 is recommended when you are looking for a totally automatic system controller.



The OS-3 operates only when the vehicle is running on the system. When the vehicle is started, the OS-3 controller with its integrated pressure and temperature sensors automatically senses the output from the tailpipe and starts the exhaust fan. The system will stay running for as long as your

vehicle, with the use of a temperature sensor that will see the exhaust temperature and will only stop the fan after the temperature drops to 54°C/130°F. This OS-3 will also monitor the filter status of a uni-filter if you have installed one in your system.



Three hose extractors equipped with OS-3 automatic fan starter.

TECHNICAL DATA

Prod. no.	Description
OS-3	Automatic control unit for exhaust fan control. One control unit is required per fan.
PC-500	Pressure sensor for automatic exhaust fan start. Line supply: 24 V. To be used together with OS-3.
704001	Adjustable engine temperature sensor, 38-54°C/100-130°F

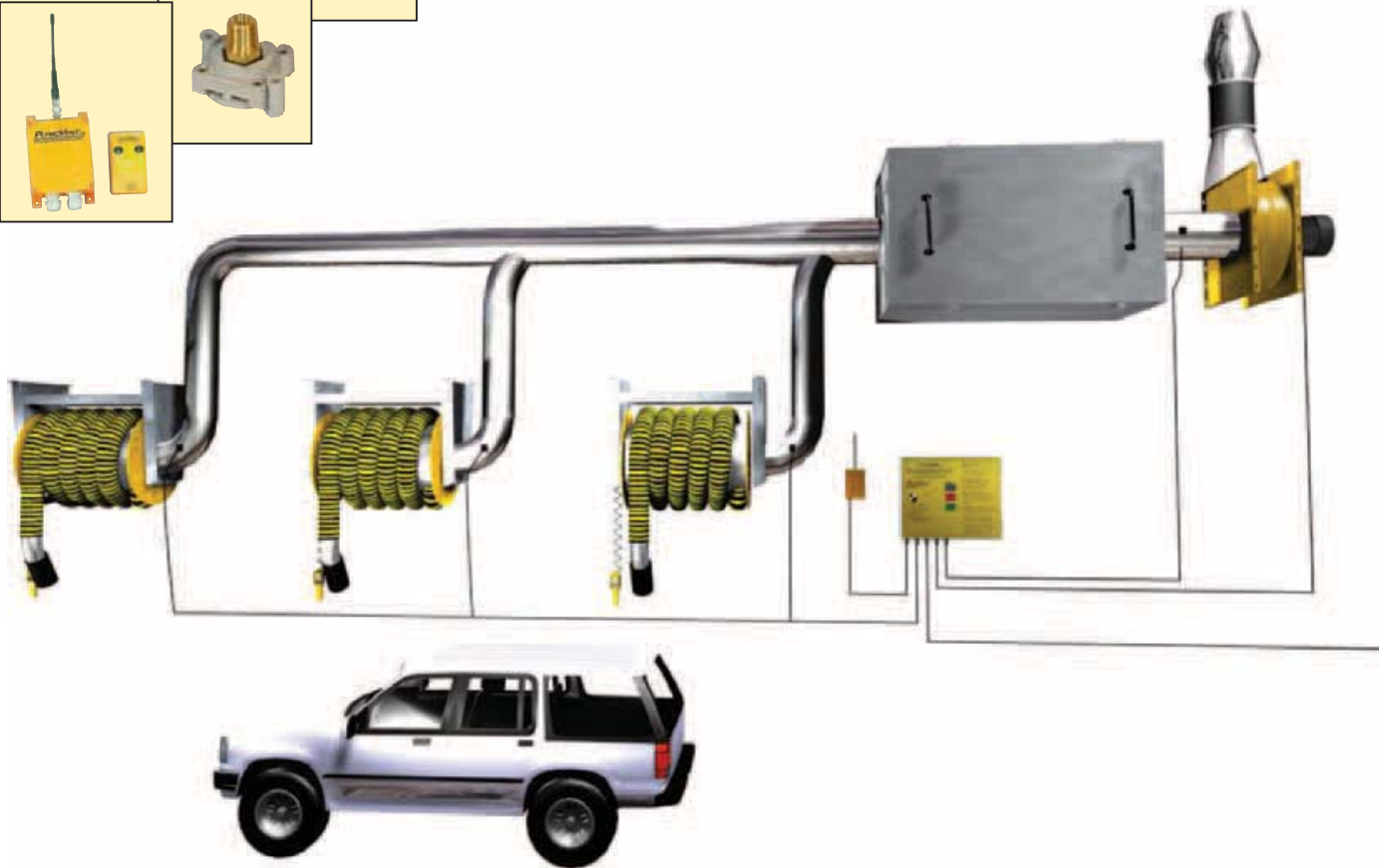
PlymoVent OS-3 – Radio transmitter

OS-3 – Radio transmitter is recommended when you require remote control of your system.



The OS-3 with pressure control will automatically start your exhaust system when the vehicle is started. By adding the PlymoVent radio transmitting system you will also be able to start your exhaust fan prior to entering the building from within your vehicle by a

hand-held transmitter. The transmitter has three channels. The first activates the exhaust fan, the second allows opening of the garage door and the third for a customer chosen accessory, such as a signal light for controlling street traffic.



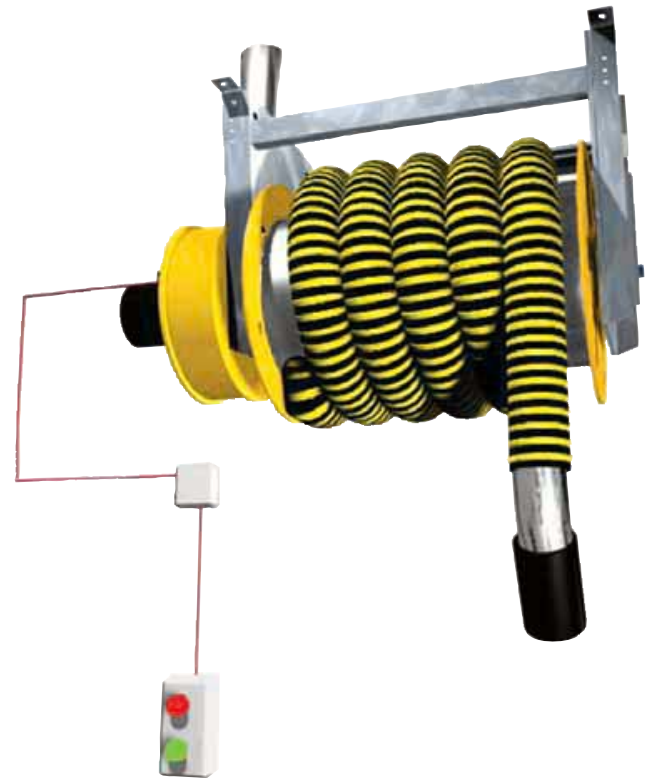
TECHNICAL DATA

Prod. no.	Description
OS-3	Control Unit, one per fan
PC-500	Pressure Switch, one per hose drop
939736-X	Transmitter, one per vehicle/person
10405-1011	Receiver, one per PCU-1000/OS-3

PlymoVent reserves the right to make design and technical changes.

PlymoVent Push Button Starter-1 – PBS-1

The push button starter is recommended when you select a direct mount fan on a hose reel (SERF) or another fan motor package you want to operate manually. This manual starter is available for fan motor voltages from 115 - 600 V, single or three phase and for 50 or 60 Hz power source.

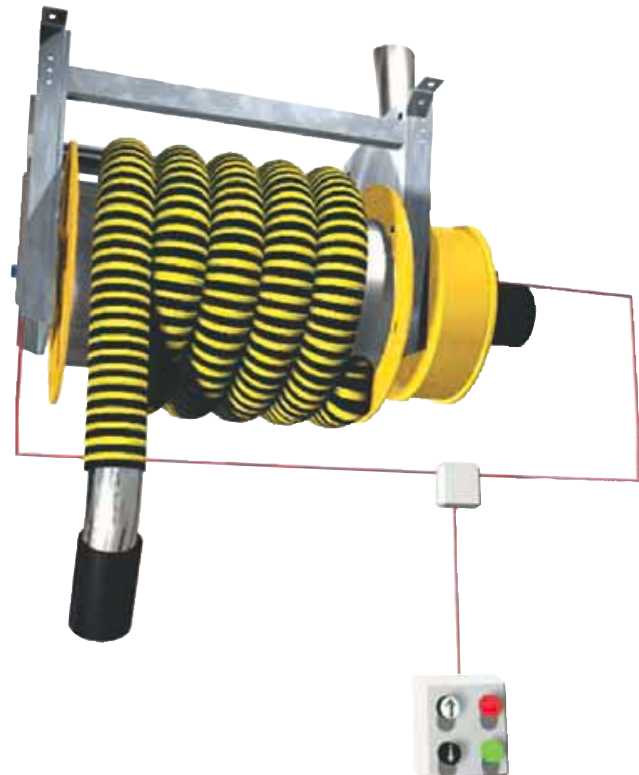


TECHNICAL DATA

Prod. no.	Description
PBS-1	Push Button Starter-1

PlymoVent Push Button Starter-2 – PBS-2

The push button starter with up and down control is recommended when you pick a direct mount fan on a motorized hose reel (MHRF) and want to manually start and stop the fan and control the hose movement up and down. The manual starter is available for fan motor voltages from 115 - 600 V, single or three phase and for 50 or 60 Hz power source. Power for the hose reel motor driver only, is available in 115 and 240 V single phase, 50 or 60 Hz.



TECHNICAL DATA

Prod. no.	Description
PBS-2	Push Button Starter-2

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