

SCS-DILUTER SYSTEM



A standalone general
welding fume filtration system



DO YOU CONTROL DUST AND WELDING FUMES?

We do. Controlling welding fumes in a welding workshop significantly contributes to a better work environment. Simply by keeping the background concentration of welding fumes as low as possible. This can be realised by using the right welding processes and by using a high-quality welding fume extraction and filtration system that prevents the accumulation of welding fumes in your workshop.

As a specialist in air cleaning technology, Plymovent offers various solutions to control welding fumes in the metal-working industry, like source extraction, extraction hoods and general ventilation and filtration systems. All designed to remove and control welding fumes as best as possible.

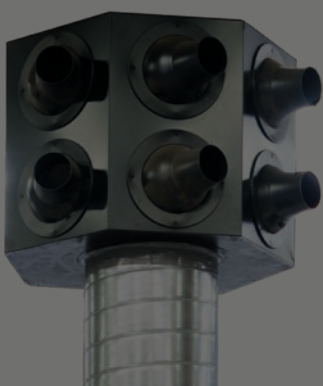
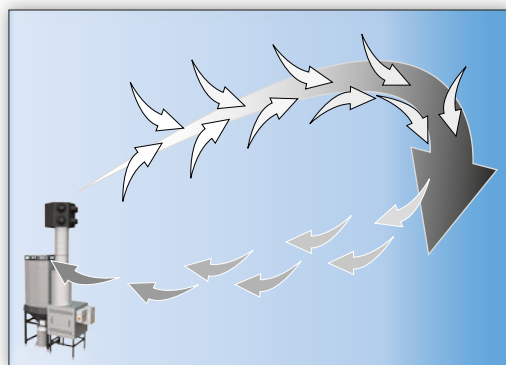
SCS-DILUTER SYSTEM

The SCS-Diluter system is a stand alone general filtration system, developed to reduce and control the background concentration of welding fumes in a workshop. It makes sure that legal limits for welding fumes are not exceeded.

SCS-Diluter systems are designed for infrequent to regular dry welding activities with light to medium dust load and the ideal solution if source extraction and hoods are not an option, for example when large work pieces are being fabricated, various welding processes take place at changing locations or when ductwork is difficult to install.

HOW DOES IT WORK

- The blue haze of welding fumes, caused by the risen fumes that concentrate between four and six meters above the floor, is continuously mixed with clean air injected by nozzles.
- You and your personnel immediately see that the blue haze disappears.
- The injection of clean air is done by filtered air from the workshop, completely adaptable in volume and direction to your situation.
- The background concentration is kept under control by continuously cleaning workshop air.
- Filter is cleaned automatically and residue is collected in a dustbin.
- The fan speed is controlled and adaptable to need by a frequency inverter. This saves energy, expands filter life and ensures a constant and reliable performance.



BENEFITS

- Energy saving; a re-circulation concept (expensive heated or cooled air stays within the workshop)
- Stand-alone without fixed duct work, less installation costs
- Flexible
- Relatively small investment for controlling welding fume
- Designed for infrequent to regular dry welding activities with light to medium dust load
- Also available as a W3 compliant version
- The fan speed is pressure controlled by a frequency inverter
- Healthier and cleaner working environment as a result of continuous filtration of polluted air
- Healthier and cleaner working environment
- It isn't just about the welder; welders and other people will notice the difference immediately

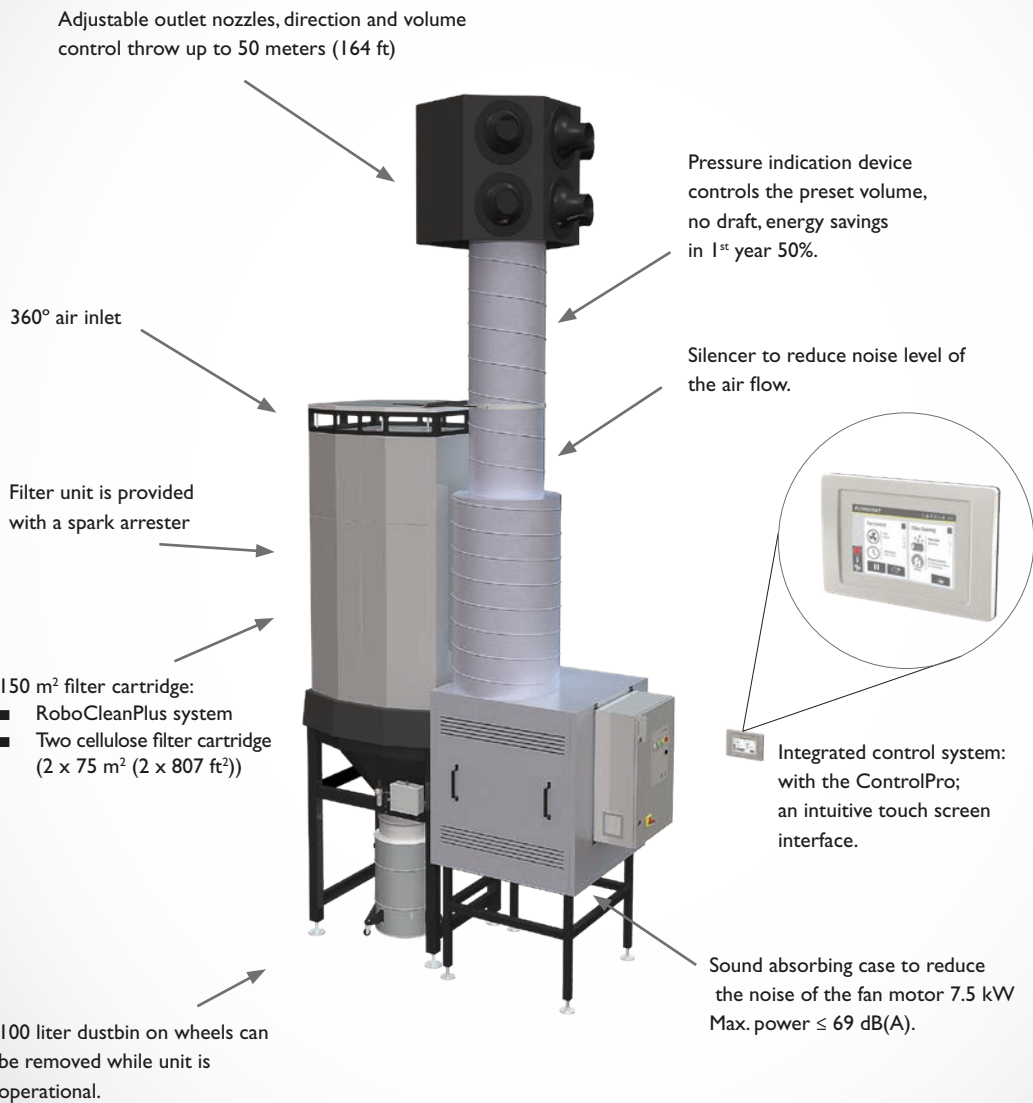


Image: SCS-Diluter-PRO

TWO VERSIONS OF FILTER CONTROLS AND FILTER CARTRIDGES

The **SCS-Diluter** will be available with the new filter controls of Plymovent; the ControlPro and the ControlGo. The **SCS-Diluter PRO** is fitted with the ControlPro. This version has a control with an intuitive touchscreen interface that shows at a glance how the system is performing, what the system is doing now, will do next and how to keep it in shape. An extensive and very accessible menu allows full adaptability in an easy way. ControlPro uses ethernet communication for a wide variety of connectivity options. ControlPro is the control that meets the full needs of the professional user: Simple, Insight, Connected. Beside the standard SCS-Diluter PRO with two cellulose filter cartridge is the SCS-Diluter also available with two cellulose filter cartridge with SurfacePlus treatment; the SCS-Diluter PRO W3 compliant in accordance with NEN EN-ISO 15012-1:2013.

The SCS-Diluter GO has integrated the control: the ControlGo. The ControlGo is built on the same platform as the ControlPro, offering the same performance, but with preset configurations for the user with basic needs. The SCS-Diluter GO uses push buttons and indicator lights for simple interaction and meets the basic needs of any user.



Main features*	SCS-Diluter-GO	SCS-Diluter-PRO
Intelligent filter cleaning	✓	✓
Connection for external devices	✓	✓
Software updates	✓	✓
7" touch display		✓
Data logging		✓
Auto start/stop by weekly timer		✓
Network connection		✓

TECHNICAL SPECIFICATIONS

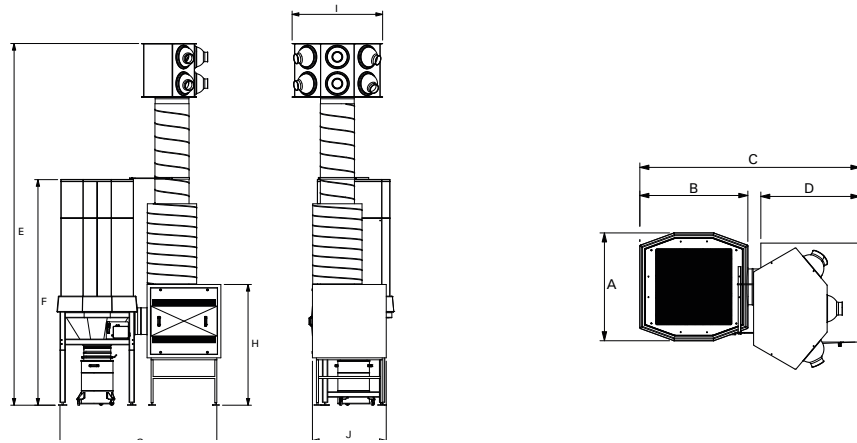
Filter area	2x 75 m ² (2x807 ft ²)
Power consumption fan	7,5 kW (10 HP)
Power connection	400-690V/3 phase / 50Hz
Nominal current	13,9 A
Weight (net)	800 kg (1764 lbs)
Fan type	radial
Filter control	ControlGo ControlPro with the ControlPro; an intuitive touch screen interface.
Fan control	VFD

VERSIONS AVAILABLE

SCS-Diluter GO	including ControlGo, two filter cartridges FCC-I50 not W3 compliant
SCS-Diluter PRO	including ControlPro, two filter cartridges FCC-I50 not W3 compliant
SCS-Diluter PRO W3	including ControlPro, two filter cartridges FCC-I50 and W3 compliant (NEN EN-ISO 15012-1:2013)

DIMENSIONS

	mm	inch
A	1200	47.2
B	1200	47.2
C	2440	96.1
D	1100	43.3
E	4186	164.8
	5425	213.6
F	3385	133.3
G	2340	92.1
H	1810	71.3
I	1350	53.2
J	1100	43.3



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clean air at work

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PLYMOVENT OFFERS TOTAL SOLUTIONS FOR AIR CLEANING

For over 45 years, Plymovent has been gaining experience in the field of air cleaning. We not only have extensive knowledge of the extraction and filtration of welding fumes and oil mist in metalworking industries, we are also specialised in the removal of vehicle exhaust fumes.

Your authorised Plymovent distributor:

Plymovent cares about the air you breathe. We offer products, systems and services which ensure clean air at work, anywhere in the world.

We respect the environment and we deliver high-quality products. Our expertise gained over many years and our genuine commitment to customer requirements enable us to provide precisely the solutions you need.

Plymovent reserves the right to make design changes.

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