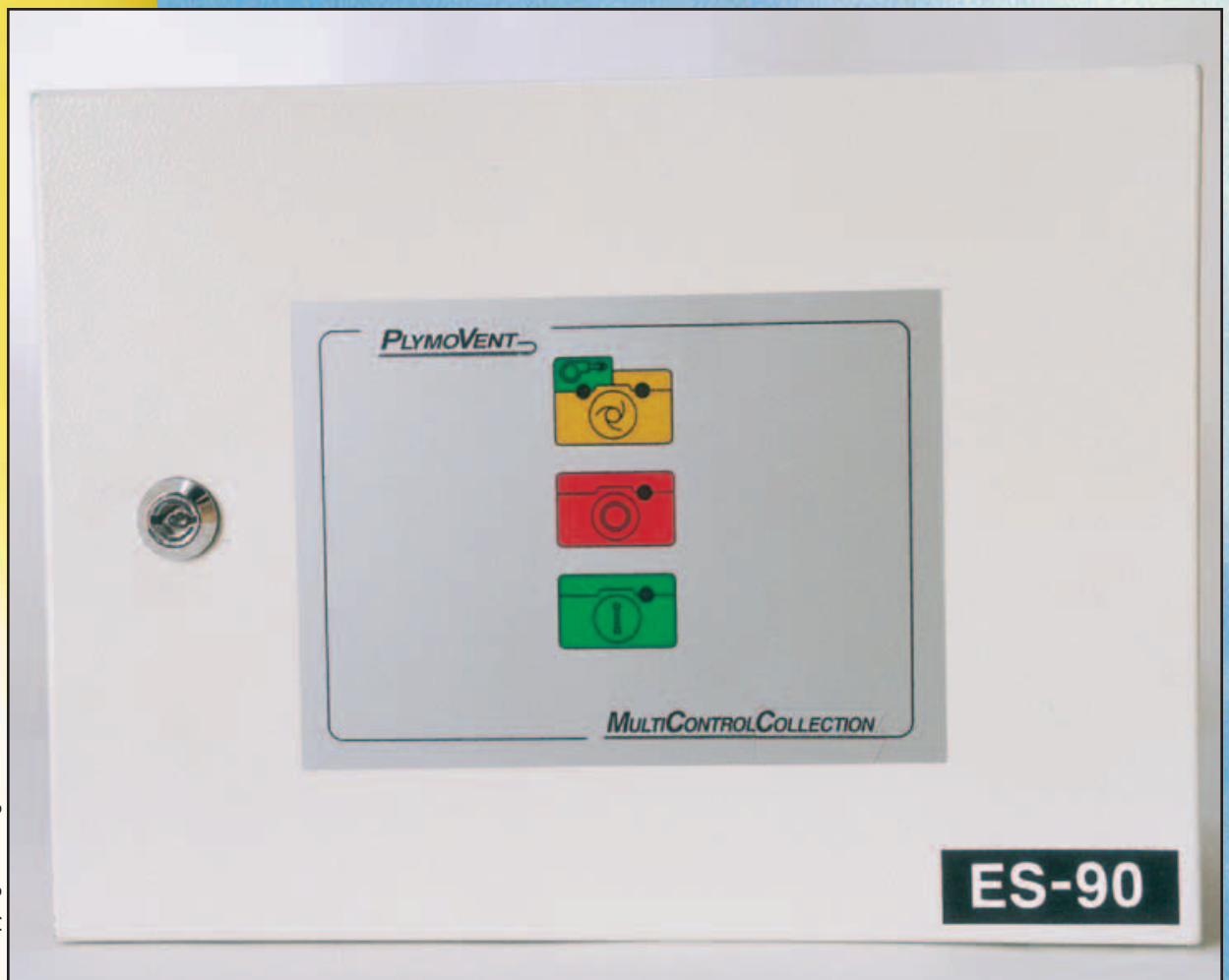


# Energy Saver ES-90



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## PLYMOVENT AB

Föreningsgatan 37, S-211 52 Malmö, Sweden  
Tel. +46 40 30 31 30, Fax +46 40 30 31 40  
www.plymovent.com, info@plymovent.se

## PLYMOVENT LTD

Marley Way, Southam Rd, Banbury OX16 2RA, England  
Tel. (01295) 25 93 11, Fax (01295) 27 17 50  
www.plymovent.com, info@plymovent.co.uk

*PlymoVent ES-90 is one of the most profitable investments you can make when it comes to welding fume extraction. You can save between 80-90% of your energy bill which means that, in many cases, the Energy Saver will have paid for itself within its first year!*

*The cost of heating extracted air is several hundred £'s per extractor. With the Energy Saver this cost will be a mere 10-20% of this sum, that is just £20-£40 per extractor per year.*

**PLYMOVENT<sup>®</sup>**  
INTELLIGENT PROCESS VENTILATION™

Saves up to 90% of heating costs on systems with individual fans

# PlymoVent Energy Saver ES-90

with new low amp sensor.

## Large volumes extracted – but only when required

The more fumes an extractor can take, the more efficient it is. A large volume of air, such as 1000 m<sup>3</sup>/h, guarantees that pollutants are effectively extracted without great concern about the exact positioning of the hood. By using PlymoVent ES-90 the total volume of air is reduced to approximately 10-20 % of the actual extracted air volume (1000 m<sup>3</sup>/h during operation gives a working day average of 100-200 m<sup>3</sup> extracted air per hour, as the fan is only running during welding.)

## Pay only for effective work time

The explanation is simple but brilliant. Using the ES-90 extraction only takes

place when welding is actually being carried out. Practical surveys have shown that actual arc-time is only 5-20% of the total working hours. The ES-90 starts the extraction fan automatically when welding starts and stops it after welding has stopped. This gives a dramatic saving of energy and therefore money! Your extractor is working at its most efficient – as you would naturally expect.

## Build your own fully-automatic system

There are no limits with the PlymoVent Energy Saver. You can size and build your own system exactly to suit the requirements of your work place. That level of freedom of choice - another

advantage of the ES-90. Just add Control Unit M-1000 for the central duct propeller fan and your system will be fully automatic.



PlymoVent offers you a clean working environment at the right price.

## TECHNICAL DATA

**Supply:** 230/400 V, 3 phase. Contactor relay for fans up to 4,0 kW is built-in. Must be fitted with relevant motor overload (not included).

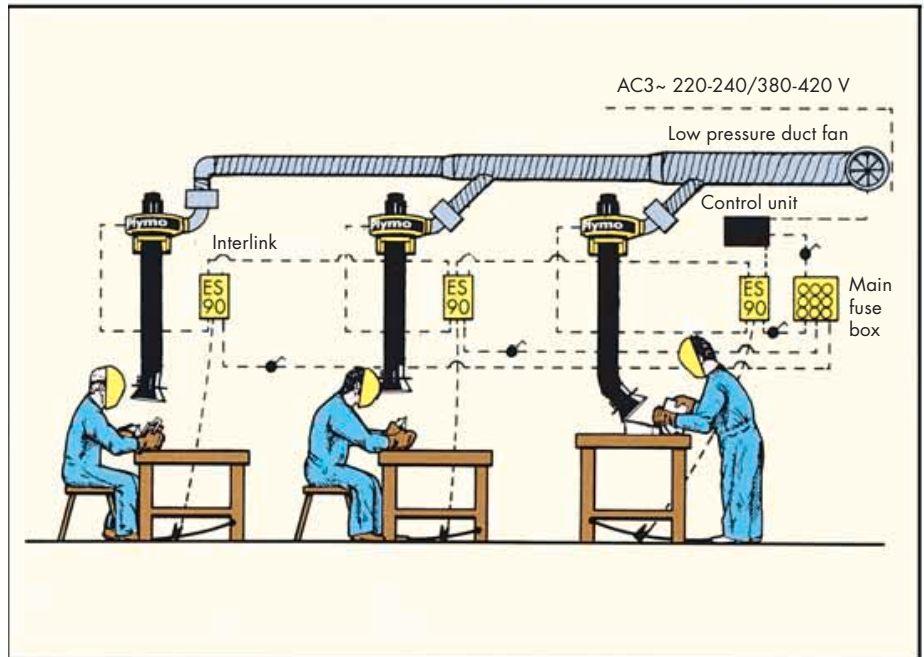
**Outlet:** 400 V 3 phase to the fan. Also works on 230 V single phase fans provided unit's supply is 230 V single phase.

**Sensitivity:** The sensor reacts to alternating current (A.C.) and direct current (D.C.) down to 15 amps – to be attached to welding cable. For gas welding, light sensor LS-12 should be used instead of the inductive sensor clamp. LS-12 is available as an accessory.

**Automation:** Adjustable over-run time - 7 seconds to 6 minutes. Has a manual override.

**Prod. no:** Energy Saver for automatic start/stop of the fan with built-in transformer 75 VA-230/24 V for halogen lamp cartridge for 1 work place.

**Motor-overloads:** Overloads for installation inside electrical control boxes like ES-90, M-1000, SA-24 and control boxes for wall mounted filters.



Central System: 3 x LM-2 with individual fans and Energy Savers connected to M-1000 Control Unit and ductwork fan.

**Prod. no:** MS-1.0/2.9  
MS-3.7/12.0  
MS-12.0/32.0

Overload, 1,0 - 2,9 Amp.  
Overload, 3,7 - 12,0 Amp.  
Overload, 12,0 - 32,0 Amp.