PlymoVent DCV-Controller

Demand controlled ventilation

The DCV-Controller will operate your process ventilation by monitoring the air pressure of your system.

The DCV-Controller will only run fans to meet the demand of your production and do it automatically. You will never have to oversize your air requirements or depend on staff to control your system manually.

PLYMOVENT CORP

375 Raritan Center Parkway, Edison, N.J. 08837, USA
Tel. (732) 417-0808, Fax (732) 417-1818
www.plymovent.com, info@plymoventusa.com

PLYMOVENT CANADA INC

6615 Ordan Dr, Unit #3, Mississauga, Ont. L5T 1X2, Canada
Tel. (905) 564-4748, Fax (905) 564-4609
www.plymovent.com, info@plymovent.ca

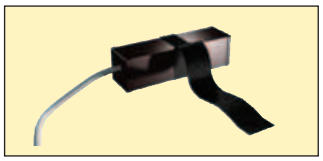
PLYMOVENT®
INTELLIGENT PROCESS VENTILATION™

Intelligent Control Equipment

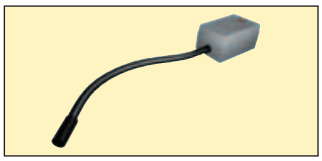
PlymoVent DCV-Controller – ensures ventilation efficiency on demand

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

Pressure transmitter
Pressure transmitter will adjust the air delivery by adjusting air volume based on duct system pressure.

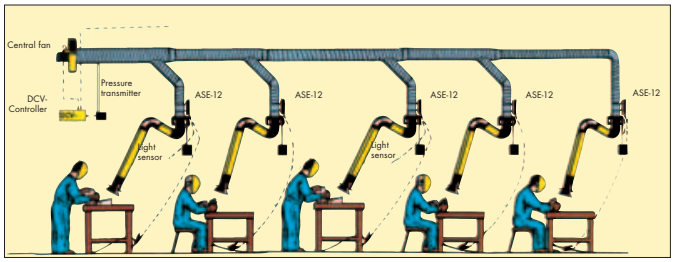


Induction sensor
Induction sensor will adjust the opening or closing of auto-dampers that control your system by magnetic or electrical impulse. I.e. power cables, magnetic field.



Light sensor
Light sensor will adjust the opening or closing of auto-dampers that control your system by light photo optics. I.e. welding arc or light source.

Invest in the most intelligent working environment and let your savings pay for all of it!



PlymoVent Automatic Damper, ASE-12, in a system complete with pressure transmitter and DCV-Controller.

The world supply of energy will continue to run in short supply. Due your part to save costly energy and reduce your operating overhead by reducing peak demand on electricity, reducing running time for process ventilation fans, reducing power consumption, reducing air delivery to your process by demand only operation, reducing heating and cooling costs.

We can save you up to 50% on energy cost, call today for details and a free energy audit of your process ventilation system.

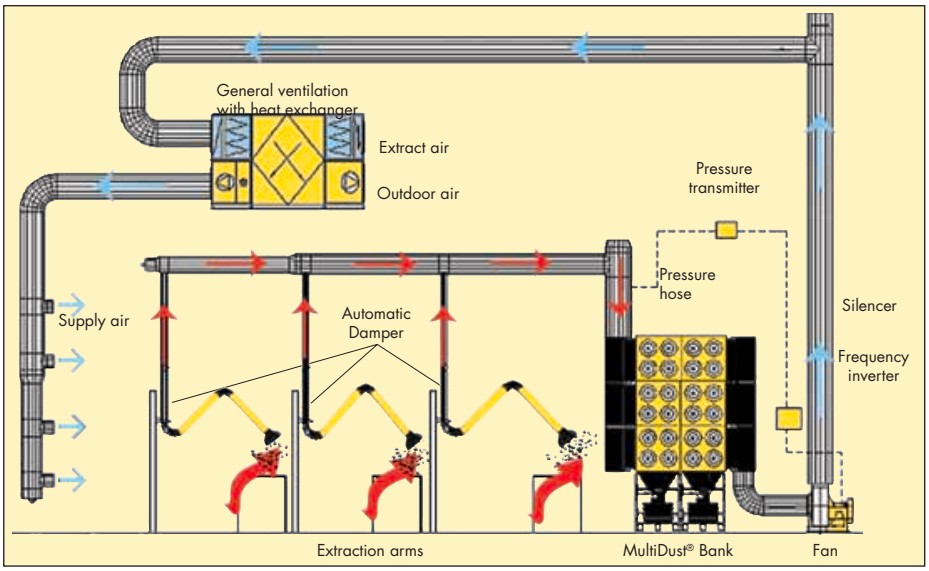
Don't let your energy provider charge you a high user sur-charge! **Call PlymoVent now!**

Lower cost – balanced ventilation

When designing a general ventilation and process ventilation system, the use of frequency inverters and heat exchangers will provide the best solution available in terms of an economical, balanced and more intelligent system.

Benefits from demand controlled general- and process ventilation:

- Lower life cycle cost (LCC) due to:
  - * Smaller filters (less filter to replace) and increased lifetime of process ventilation filter cartridges
  - * Savings on power to fans, both general- and process ventilation fans
- * Heating energy savings (to heat variable supply airflow)
- * Less maintenance hours on general ventilation (replacing filters)
- * Less cost for replacement filter for general ventilation
- Demand controlled capacity of the process ventilation
- Balanced ventilation at all time
- Very high quality indoor air
- Lower noise levels
- Very intelligent!



Central system: 3 x KUA-4 with automatic dampers ASE-12, pressure transmitter, frequency inverter, process filter and a central fan. Process ventilation incorporated into the general ventilation system including a heat exchanger.

TECHNICAL DATA

Frequency Inverter
- IP-54 Enclosure
- EMC filter
- Cooling fan
- Built-in PID-regulator
- Sizes according to fan power

Pressure transmitter
- 15 - 33 V DC supply (from inverter)
- 4 - 20 mA output signal
- 3 ranges 0-1600 Pa, 0-2500 Pa and 0-5000 Pa

Prod. no:TG-1600, TG-2500, TG-5000