

## Controlled Ozone Specification and Installation

### CVS200 Controlled Ozone Injector

- 10-20 grams per hour (0.9 to 1.9 m<sup>3</sup>/s capacity)
- Variable output according to air flow in ducts
- Dimensions: 450 x 155 x 155mm
- Weight: 4kg
- Stainless steel casement
- Control box dimensions: 250 x 155 x 105mm
- British designed & manufactured

#### Optional Accessories

Co515: External Ozone Monitor to ensure the ozone discharge level stays within safety guidelines  
Installation Kit: 100 mm spigot, fixings and 3000 mm length of circular duct

### CVS400 Controlled Ozone Injector

- 10-40 grams per hour (0.9 to 3.8 m<sup>3</sup>/s capacity)
- Variable output according to air flow in ducts
- Injector dimensions: 2x 450 x 155 x 155mm
- Weight: 2x 4kg
- Stainless steel casement
- Control box dimensions: 250 x 155 x 105mm
- British designed & manufactured

#### Optional Accessories

Co515: External Ozone Monitor to ensure the ozone discharge level stays within safety guidelines  
Installation Kit: 2x 100 mm spigot, fixings and 3000 mm length of circular duct

#### **WARRANTY**

The system is covered by a full one-year manufacturer's warranty from the date of registration.

#### **SPARES PACK**

A full spares pack is available from Ecovery Innovations Ltd.

#### **NOTES TO OPERATOR**




A regular visual inspection should be undertaken to ensure that all operating neon lamps are working correctly.

Any concern about ozone leakage should be reported and the unit turned off immediately.



The units should only be maintained by an approved company.

Any faults should be reported to Ecovery Innovations at [info@ecoverynnovations.com](mailto:info@ecoverynnovations.com)

## INSTALLATION INSTRUCTIONS

<b>SAFETY</b>			
	Warning – Danger of electric shock	Warning – ozone is produced by this unit	

Only competent persons should undertake any work on or with these units and be familiar with all instructions prior to starting these works. Read in conjunction with technical specification sheet.

<b>CVS SYSTEM</b>	<b>CONTROL PANEL      Co INJECTOR</b>
<p>All Co systems are supplied with:</p> <ol style="list-style-type: none"> <li>1) 2m power lead</li> <li>2) 6mmØ clear plastic tube</li> <li>3) Push-on pitot tubes for connecting clear tube</li> </ol>	 

- Select where the ozone will be injected into the extraction system (canopy plenum or nearest ductwork), cut a 100mm hole and fit a 100mm spigot. Connect spigot to the ozone injector unit using 100mm tube, cut to length to prevent sagging and secure each end.
- Mount control panel unit on wall or riser duct as close to ozone injection point. Drill 6mmØ hole in extract ductwork and secure push-on pitot tube to the ductwork - position before the extract fan so that the pressure switch operates under a negative pressure. Run the clear plastic tube between the push-on pitot tube and the pressure switch connection on the unit.
- Qualified electrician to run 1 240V\1 phase power supply sited near the injector. Connect the control panel to the injectors with the cables provided, starting with socket 10\20 up to 70\80 as required.
- Turn the power on to the injectors and control panel; the injectors will be activated when the extract fan is started
- CVS models can be combined with an external Co515 ozone sensor. The sensor can be installed inside or outside the building. If mounted internally it can be secured to a wall or other suitable location – installer to select a suitable place or construct a frame to securely mount the sensor.
- Connect the sensor to the sensor lock on the controlled ozone unit using the data cable provided.
- N.B. When an external sensor is not used the bypass plug must be fitted to the sensor lock.