

# UV disinfected FILTERED AIR SUPPLY SYSTEMS

Contamination Control Limited's Ultra-violet products include a wide range of standard and custom built air and surface disinfection systems. The D900 and D1600 series units are now available in three sizes of free standing modules supplying filtered, disinfected air.

The two D900 versions (D930 and D915) treat up to 30 and 15m<sup>3</sup>/min respectively, while the D1660 treats up to 60m<sup>3</sup>/min. Typical applications would be the supply of positive pressure air to packing rooms, starter rooms, sugar or yoghurt storage tanks and to filling rooms. The two main components are the wall mounted power supply and the free standing, rectangular treatment chamber. This contains the four germicidal lamps, the air filter and the externally mounted fan, which is sized to suit the application. The treatment chamber can be supplied to fit into an existing duct or pipe, without the fan. Service access is by opening a hinged panel - the filter and lamps can be removed for replacement or cleaning, without tools.

The air filter uses a minimum of EU5 (10 micron nominal) cleanable Filtalon media. HEPA filtration is an option.

## Specifications

Number of lamps:	4
Power consumption:	
D915/930:	260W
D1600:	340W
UV output at 254nm:	
D915/930:	55W
D1660:	107W
Lamp life:	9000 hours

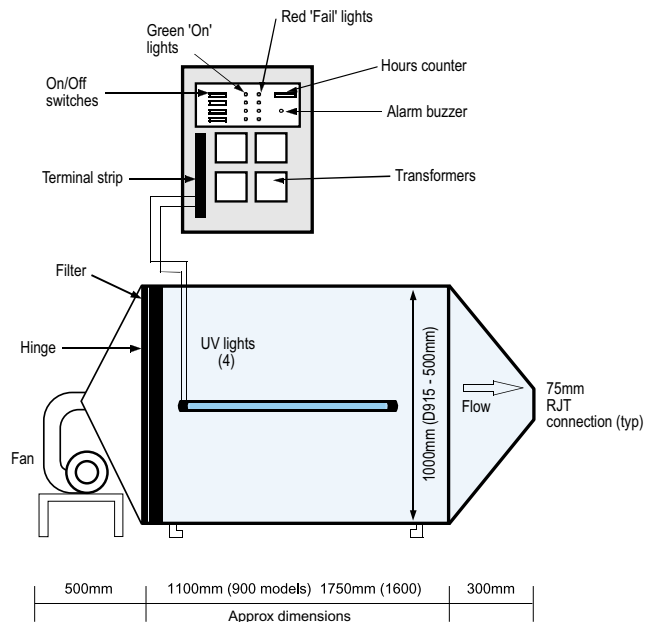
## Power Supply Dimensions

Height:	540mm
Width:	95mm
Depth:	75mm
Weight:	30kg
Fan ratings (typ.):	500W
*apply to standard model	

## System Features

- Control panel
- Lamp on indication
- Lamp fail indication
- Remote alarm contacts
- Hour counter
- Optional UV meter
- Air filter
- 304 SS treatment chamber
- Fan (where required)
- Filtration to EU5 standard
- Headloss gauge optional

Made in New Zealand  
Custom build available



## Recommended maximum flow rates\*

D1660:	60m <sup>3</sup> /min (2100cfm)
D930:	30m <sup>3</sup> /min (1050cfm)
D915:	15m <sup>3</sup> /min (525cfm)

\*Actual flows will vary with site and filtration requirements.

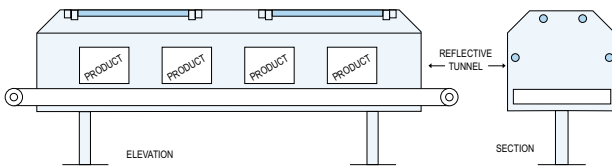
# UV LAMPS FOR AIR AND SURFACES

UV lamps and their associated controls can be supplied for use in a variety of configurations specific to a particular application. They can be used mounted in ventilation ducts, purpose built UV exposure cabinets or mounted in tunnels for irradiation of products or containers. In this kind of application lining the inside of the tunnel with reflective material (e.g. polished aluminium) makes the most use of the UV output.

In tunnel applications the lamps are usually clipped (via bulldog clips) onto the walls of the tunnel. The lamps most often used are either 40W (840mm long) or 65W (1554mm) depending on space available, conveyer speed and degree of contamination. It is often possible to conduct trials to accurately determine the number of lamps required. It is essential to design the system to prevent exposure of operators to direct or reflected UV light.

UV lamps can be installed in virtually any space or enclosure and are available in lengths from 200mm to 1554mm long. Use of UV in these applications is a surface treatment as UV does not penetrate dirt, products or some packaging films and plastics.

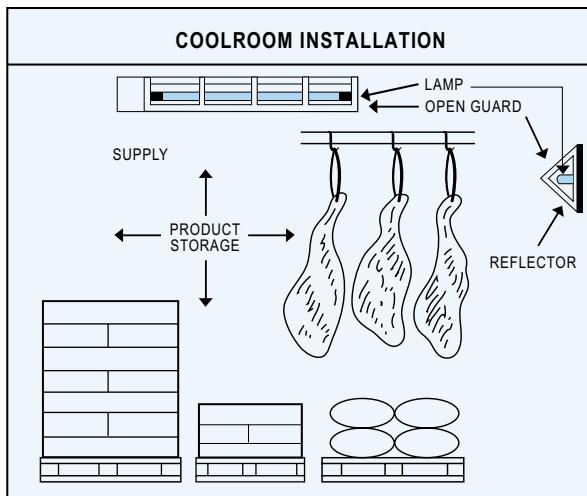
CROSS SECTIONAL REPRESENTATION - U.V. LAMP TUNNEL



Use of UV in this manner is a surface treatment and does not penetrate dirt or most wrapping materials.

## STERIBLITZ FIXTURES

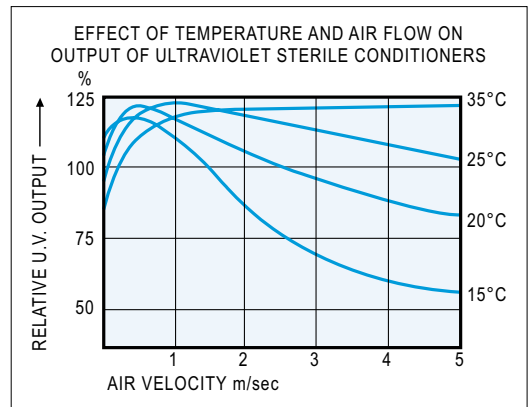
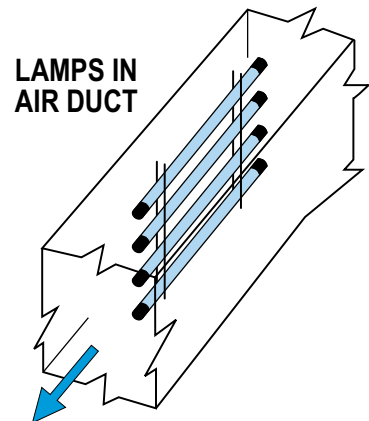
Single lamp units are available for wall or ceiling mounting. These can be used in coolrooms or cheese or meat storage, laboratories or hospital areas. These units can be mounted with reflectors to avoid accidental exposure to UV or door interlock switches to shut off the UV light when an access door is open.



- |                   |              |                                   |
|-------------------|--------------|-----------------------------------|
| IM632 (30W)       | :            | for areas up to 7m <sup>2</sup>   |
| IM900 (40W)       | :            | for areas up to 10m <sup>2</sup>  |
| <b>LAMP LIFE</b>  | :            | 17,000 hrs                        |
| <b>DIMENSIONS</b> | <b>IM632</b> | : 740mm(L) x 120mm(W) x 100mm(H)  |
|                   | <b>IM900</b> | : 1010mm(L) x 120mm(W) x 100mm(H) |

## UV FOR DUCTS

UV lamps can be mounted in existing or enlarged air ducts supplying critical production areas or positively pressurising enclosures. In existing ducts the lamps are usually mounted parallel to the air flow with a removable panel permitting access for lamp changing. Chilled air reduces the output of conventional lamps leading to the use of recently developed amalgam lamps which are not affected by temperature.



Manufactured in New Zealand by:



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