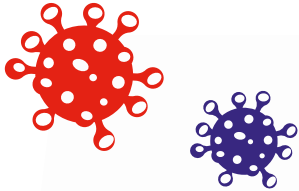
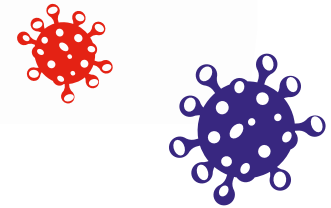


UV DISINFECTION SYSTEM

MORE EFFECTIVE PRODUCTS BROUGHT TO YOU BY



MagnaCool 2800 Supreme - UV System



METHOD OF OPERATION PER MAGNACOOLER

- The UV system is safely fitted on all Magnacool Supreme models and can also be retro-fitted to your existing Magnacooler
- The UV system provides disinfection of airflow by using germicidal ultraviolet radiation at wavelength of 254nm which disables biological contaminants such as viruses, bacteria and moulds
- The UV disinfection system consists of electronic ballasts, lamp leads and UV Torpedo lamp fixtures. The ballasts are installed in compressed air enclosure behind the 3 x airflow acrylic panels
- Number of lamp fixtures = 4 off UVTS155W-F
- Average lifetime = 12,000 hours (dependant on usage)
- Power input per lamp = 155W
- Airflow rate = 5m³/s
- 155W UVC germicidal lamp with shatterproof coating.
- Expected intensity decrease towards end of life (12,000 hrs) = 20%
- Stainless steel housing with aluminium reflector inserts
- Safety limit switches turn off UV if acrylic panels are removed
- Independent control of UV system from its own control panel
- Warning light Indicator on panel if a light fails.

‘UVC at a specific wavelength, 254 nanometers, has been successfully used to inactivate H1N1 influenza and other coronaviruses, such as severe acute respiratory virus (SARS-CoV) and Middle Eastern Respiratory Syndrome (MERS-CoV)’

Indermeet Kohli - a physicist who studies photomedicine in dermatology at Henry Ford Hospital in Detroit, told Live Science (livescience.com)

DISINFECTION PERFORMANCE AFTER 12,000. HOURS OF OPERATION

Microorganism - E.Coli (bacteria) - up to 10 passes = 99.99%

‘The Magnacool Supreme’ UV System has been specifically designed and custom developed by Dr Jaromir Bilek of Jenton International – Directors: RR Little BSc (Hons); RP Sion BEng (Hons) PhD; AC Little (Hons) PhD.

Please Note: All UV Magnacoolers are supplied with Ferro type filters for extra fine air filtration.



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