



## WHAT'S GROWING IN YOUR AIR?!

**With so many contributors to creating or propagating contaminants in compressed air systems it is essential that air quality be tested regularly to prevent potentially hazardous consequences - not just for your customers but also for your business.**

Every day there is the risk of water, oil, microbiological organisms and solid particles (such as corrosion or rust from the inside of pipework) compromising your compressed air and therefore contaminating the products you make and reducing your equipment reliability.

Humidity, oil, bacteria and particles are present in the air around us. The use of oil-free compressors is no guarantee against contamination. Most compressors pump out what they draw in which can include fumes from local traffic or nearby machinery.

Filters alone are not capable of removing every contaminant. They are limited by their structure and as they fill up with contaminants they become less effective. Microscopic elements can exist beyond the filters and can be blown directly onto products or remain inside the pipes and multiply. Your pipework is an ideal breeding ground for bacteria with a mixture of moisture, heat and darkness.

Most facilities do not have an air quality standard and the limited few that do, set a single standard for the entire site which is based around the equipment installed at the compressor house. Each point of use will have its own contamination issues, due to the equipment installed, ambient conditions, lubrication and condition of pipework. To treat an entire system to the highest air quality required is not only unnecessary, it's impractical and expensive to maintain and operate. The "one type fits all" approach fails to recognise localised issues for contamination within each zone.

Some companies establish their own in-house air quality standards and self-regulate due to the challenges with organising samples and testing. Tube testing onsite is a common practice but sampling is inaccurate and allows human error to occur, and fails to reach the levels required by ISO8573. This leaves the site at risk of unacceptable levels of contamination or worse. New electronic technology has made the testing a lot simpler and significantly more accurate, giving more meaning to the tests taken. There is a degree of ignorance and complacency in Australia with regards to what the correct air quality standards and testing are and how they can be adhered to but, times are changing, and more and more companies regularly test their air quality and reduce their risk of product contamination issues and possible product recalls.

Here at Basil VR Greatrex we have decades of experience in the field of compressed air quality. We assist our customers in reaching an efficient and sustainable compressed air quality suitable for their sites which includes helping them to comply with the standards set out for Safe Quality Food (SQF) and HACCP.



## **So, how do you find out what's growing in your air?**

Basil VR Greatrex can test your compressed air quality using state of the art electronic equipment that measures to the levels required in ISO8573.1:2010

Our exclusive equipment, sourced from international strategic alliance partner CS-iTEC, features electronic particle counters that can measure down to 0.1 micron, oil vapour sensors that measure to 3 decimal places and dew point monitors. The equipment meets all international standards for the detection of moisture, oil, bacteria and particulates.

More than air quality testing, we offer Total Air Quality.

We demonstrate how to remove condensate efficiently...

Remove all contaminants without effecting pressure...

Achieve the appropriate dryness throughout your plant without waste...

and improve the dispose of contaminated condensate efficiently.

We detect contaminants in your system, advise you on best-practice solutions and supply high quality products to maintain ongoing cleanliness.

**For more information on finding out what's growing in your compressed air contact Richard Mort on 0418 674 042 or Warwick Rampley on 0448 138 807.**