

## **REMEMBER TO SERVICE CONDENSATE DRAINS**

MCGUIRE AIR COMPRESSORS cautions companies planning APM (annual preventive maintenance) programs – to service condensate drains annually.

Drains effectively remove excess moisture that collects in the bottom of filters and forms an oily, corrosive and acidic condensate mixture that needs to be removed so that it is not re-introduced into air lines which would cause downstream equipment performance problems and quality defects.

What's more, because drains are in constant contact with aggressive condensate, over time in-built strainers become blocked resulting in a greater risk of failure to open or close.

Should they stick in the closed position drainage performance suffers as condensate collects in the bottom of filters until it reaches a level where it is re-entrained and passed downstream, where it contaminates processes.

If drains stick in the open position, valuable compressed air leaks out along with the condensate, resulting in wasted energy, reduced system pressure and inadequate air supply for the operation of essential tools and machinery.

## **CHANGE FLOAT DRAINS**

Float drains operate by continuously opening and closing to allow liquid condensate to leave the filter. As the only mechanically operated component of a filter, drains are prone to malfunction over time.

These problems can be simply avoided by replacing internal float drains once a year

## **REBUILD TIMED DRAINS**

The timed drains are in constant contact with aggressive condensate, over time in-built strainers become blocked resulting in a greater risk of failure to open or close. The aggressive condensate wears the seat & seal in the solenoid valve and the drain leaks.

Rebuilding & cleaning the timed drain valves once a year help prevent down time and avoiding more costly problems