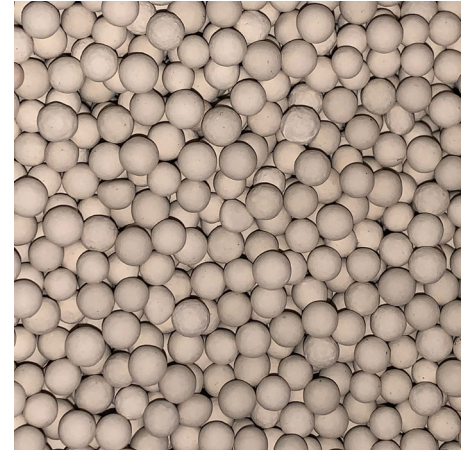


# OFAS – Oil Free Air System

OFAS HL 050 - OFAS HL 085



## Adsorption Dryers

Whether a compressed air user wants to control the growth of micro-organisms (essential for direct and in-direct contact applications in the food, beverage & pharmaceutical industries), ensure air used for critical applications / instrumentation is free from water contamination or has external piping where low ambient temperature can cause condensation, adsorption dryers are the go to dryer technology.

There are many different adsorption dryer technologies available and whilst they all reduce water from the compressed air in the same way, they differ in the way they regenerate the desiccant material.

## Heatless Adsorption Dryers

The simplest and most common method used to regenerate the adsorbent desiccant material is the 'heatless' method (so called as it does not use heat for desiccant regeneration).

Using a proportion of the clean, dry process air for regeneration, heatless dryers typically have the lowest capital costs of all adsorption dryer types (due to the simplicity of the heatless design).

Being very robust and having fewer components, they typically have the lowest maintenance cost of all the adsorption technologies.

Heatless dryers are available to suit all compressed air flow rates from small to large, whereas the more complicated regeneration methods are often only available for higher flow rates due to cost and complexity of the designs.



## Advantages

- Parker OFAS dryers provide a constant outlet dewpoint in accordance with ISO8573-1 classes 1, 2 or 3 for water vapour
- Parker OFAS dryers use clean, dry purge air for regeneration, eliminating any risk of damage to the adsorption bed or re-contamination of the downstream compressed air
- Parker OFAS dryer performance has been tested in accordance with ISO7183, the international standard for compressed air dryer testing
- The dewpoint performance of Parker OFAS dryers has been 3rd party validated by Lloyds Register to ISO8573-1 air purity classifications
- No heat is used for regeneration; therefore, no insulation is required and loss of dewpoint on column changeover due to inefficient cool down is eliminated
- Parker FBP dryers include Parker OIL-X General Purpose & High Efficiency Coalescing pre-filtration, Oil Vapour Reduction Stage and General Purpose Dry Particulate post filtration as standard
- Parker OFAS dryers provide Technically Oil Free Air to ISO8573-1 Class 0 and Class 1 for total oil due to the inclusion of an oil vapour reduction stage
- Full feature electronic control with dewpoint display and Energy Saving Technology fitted as standard



ENGINEERING YOUR SUCCESS.





