



CyCoil®

Oil Bath Air Cleaner

- **Continuous Self-Cleaning**
- **Easy maintenance**
- **High efficiency cleaning maintained under variable operating conditions**
- **Economical operation, requires no external power source**



AAF's CyCoil® Oil Bath Air Cleaners have been cleaning engine and compressor intake air for over fifty years. Proven under virtually all operating conditions throughout the world, from the sands of the Sahara to wet, rainy, and snow-laden environments; the CyCoil air cleaner was designed for high efficiency even under the most severe operating conditions.

High efficiency

High efficiency, averaging more than 92%, is maintained over the CyCoil's operating range. Even at partial loads, clean air is provided.

The cleaning efficiency of the CyCoil has been determined by tests conducted in accordance with AFI test procedures using Arizona Road Dust Fine.

World class Quality

During the entire production process, our operations are governed by our ISO 9001 certified system.

Broad range of sizes and two models to meet your application requirements

CyCoil air cleaners are manufactured in 15 sizes to handle air volumes from 195 m³/h to 85000 m³/h. Type W CyCoils are manufactured for applications requiring up to 3400 m³/h. Type P CyCoils are manufactured for applications requiring from 1700 to 85 000 m³/h. Models designed for both smooth and pulsating airflow are available.

Better Air is Our Business®



Cycoil

Operating principle

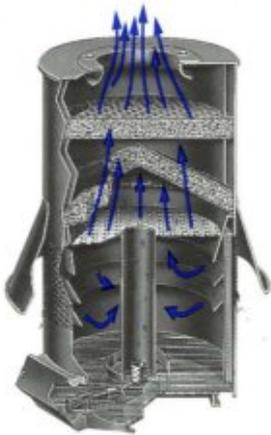
CyCoil Oil Bath Air Cleaners provide uninterrupted filtered air to engines and compressors. Dust laden air is mixed with oil inside the CyCoil and is then captured on special, self-cleaning, all metal filter pads. While the engine or compressor that the CyCoil is connected to is in operation, oil from an integral reservoir is continually circulated by negative inlet pressure.

Because the oil lift is constant during machine operation, the metal media pads are continually bathed by oil. This continual oil circulation allows the captured dirt and particulate to be washed from the pads and directed back into the reservoir. Here, the particulate settles out of the oil as sludge to be periodically removed during the maintenance process.

Easy maintenance

Maintenance consists of periodically removing the inspection plate to scrape out accumulated sludge and refilling with clean oil. Any straight-run parafin base mineral oil, without additives, of a mean viscosity of 1500SSU is acceptable.

If properly maintained, it should not be necessary to remove the filter cells for cleaning. In the event of unusual conditions, the top is removable and filter cells may be lifted out, inspected, or cleaned if necessary.



Cutaway view of the Type P CyCoil



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AAF has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice.