

Technical Bulletin: Scanning Spindle Air Filters

Westwind's range of aerodynamic-bearing scanning spindles draws ambient air directly into their radial and axial bearings, and therefore do not require an independent pressurised air supply. In order to help accommodate the inevitable variability in the condition of this ambient air supply, in a wide variety of sites and installations, Westwind has introduced an upgrade to the relevant scanning spindles.

Westwind has now added a filter to the air intake as a standard feature on all new production units.

This will prevent the possibility of particle ingress, and reduce the potential for contamination problems later in the bearing life. **This filter must be periodically checked at least once every three months and should be replaced every 12 months. The filter must be replaced sooner if excessive particulate build-up is observed.** Failure to do so could result in restricted air supply to the bearing, risking damage to the product that would not be covered under the terms of Westwind's standard warranty.

The filters used are standard 11mm (0.433") diameter, 1.6mm (0.063") deep, sintered bronze, with particle retention of 1-3 microns. These are commonly available from a variety of sources, or can be purchased directly from Westwind, part number 33588.

For further information email: wwinfo@westwind-airbearings.com.