

## **Air Supply & Spindle Cooling**

Westwind recommend the following for spindle air supply:-

- Particulate carryover filter <1µm
- Oil vapour carryover <0.01 mg/m<sup>3</sup> at 20°C
- Dew point at running pressure <7.5°C
- Temperature similar to surrounding atmosphere

Westwind recommend the following for spindle cooling:-

- Clean (preferably distilled) water in a closed loop cooling system, water should be inspected regularly for fungal and bacterial growth
- De-ionised water should not be used
- Inlet temperature 16°C - 20°C Typ (refer to outline drawing)
- Temperature rise across the spindle < 10°C (unless otherwise stated by Westwind)
- Use of a commercial heating system additive such as "FernoX" to minimise any corrosive and calcification effects
- 25µm particle filter
- electrical ground on chiller should be at the same potential as the main machine

For further details please email: [wwinfo@westwind-airbearings.com](mailto:wwinfo@westwind-airbearings.com)