

RULES OF USE

To assure correct functioning of the spindle, follow the instructions given below. **(Please see drawings for details).**

Operating Temperature When using the spindles concerned, refer to the normal operating temperature of the spindle as indicated on the final inspection report delivered with the spindle. During machining, an increase in temperature T, stated on the test certificate, of approx. 10°C is allowed.

Air Purge In harsh working conditions, products may be fitted with pressurized air sealing systems. In these cases, connect the inlet of the spindle with a filtered compressed air supply at a pressure of $1 \pm 0, 1$ bar. **(Please see drawings for details).**

Electrical Connections *To avoid injury, disconnect electrical power when performing ANY maintenance or service on equipment.* There are high voltage parts on the frequency converters that power the motorized spindles. Some of these are powered with direct current up to 800V and there are capacitors that discharge slowly after they have been switched off. Therefore, trained personnel should always wait a few minutes after opening of the main disconnect before opening the door of the cabinet.

The motorized spindle must be powered and used according to rating data. **(Please see drawings for details).** If a frequency converter is used to power the spindle, it must be selected according to nominal current, voltage and frequency of the spindle.

Attachments & Equipment The appliances must be fixed and permanently connected to the system or using a plug/socket for industrial purposes. **(Please see drawings for details).**

The equipment must be connected to the system in one of the following ways:

- High reliability protection conductor (with generously over scaled cross sections or with multiple cables).
- Monitoring of protection conductor continuity (using devices that cut off the power to the converter in the case of interruption of the protection conductor).
- Use of transformers. If the installation is to comply with regulations, a number of simple precautions must be taken when laying the cables.
- The power connection between the converter and the motor must consist of a shielded twisted cable with the shield connected to