INSTALLATION GUIDELINES

1. Ensure that compressed air lines are properly sized to keep pressure drop to a minimum. Use at least 1/4” pipe or 3/8” hose for supply line runs up to 10 feet (3 Mtrs.), 3/8” pipe or 1/2” hose for runs up to 50 feet (15 Mtrs.) and 1/2” pipe lines for longer runs. Do not use restrictive fittings such as quick couplings which will reduce the effectiveness of the cooling systems.

2. All systems come complete with a properly sized 25 micron filter with a manual drain. If oil is a problem in your air lines, use a properly sized oil removal filter with at least a 0.03 micron rating. Install all filters within 10 to 15 feet (3 – 4.6 Mtrs) of the cooling unit.

MAINTAINING OPTIMUM PERFORMANCE

Maintain a MINIMUM backpressure on the cold air exhaust end. Low back pressure, up to 2 PSIG (0.14 bar) will not significantly affect performance. However, 5 PSIG (0.35 bar) will affect performance by approximately 5°F.

Unducted vortex tubes can be quite noisy. If cold air is ducted, muffling is not normally required. However, mufflers are available for both the cold and hot ends if required.