

### 3. Location

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Selection of proper operating environment will maintain the power supply in top operating condition. Location of your power supply is determined by:

- 1 > How the unit is cooled: air or water.
- 2 > Direct or Remote Control.
- 3 > AC power source and DC bus to the tank.
- 4 > Space available on the production line.

The power supply should be located in a clean, dry, ventilated location with enough clearance from the walls for removal of all panels. Minimum of 3' clearance is recommended.

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#### Location suggestions for air-cooled power supplies.

**Do not** locate power supply close to heat generating equipment such as boilers, furnaces, etc.

**Do not** locate where subject to dripping or splashing

**Do not** locate next to wall or areas preventing full freedom of air movement or where air exhaust may be restricted.

**Do not** locate in areas where intake suction may pull in excessive dust, moisture or corrosive fumes.

**Do not** locate where atmosphere may be subject to combustible fumes.

**Do not** install power supply units in a location where they are subject to moving lint. Lint may clog filters and cooling fins causing a reduction in airflow and subsequent overheating.

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- **Note:**  
**Corrosive fumes and high ambient temperature reduces the life of the power supply.**

***ALDONEX recommends installation site AWAY from the direct processing area.***

In many cases the power supply can be located in an adjacent room, thus isolating the unit from the poor environmental conditions. When installing in a separate room, particularly if the room is small, ample ventilation should be provided to keep the room temperature from rising excessively.