

Oven Safety: Precautions & Maintenance

To ensure safe oven operation, especially when handling solvent or diluent vapours, it's crucial to maintain vapor concentration well below explosive levels. This requires an effective ventilation system, either natural or forced.

Key Safety Guidelines

- **Ventilation**
Ensure continuous ventilation; exhaust vents should not be completely closed, allowing proper airflow at all times.
- **Forced Ventilation Start-Up**
For ovens with forced ventilation, do not begin heating until fresh air intake or air circulation is fully operational. Heating elements should automatically shut off when fresh air intake stops.
- **Throttle Valves**
Air duct throttle valves should remain slightly open to maintain adequate ventilation at all times.
- **Explosion Panels**
Closed drying ovens must be equipped with explosion panels. These panels should be designed to direct pressure safely away from personnel in the event of an explosion.
- **Compliance with Standards**
All ovens used for drying varnishes or similar substances must adhere to relevant safety standards and regulations.
- **Danger Indicators**
Install safety indicators, with at least one placed outside the immediate hazard zone.

Safety First!
Think Safe | Act Safe | Be Safe