# CombiFlash Rf® Lumen Installation Requirements

## Overview
This document provides general installation requirements and site preparation for the CombiFlash Rf+ Lumen or Rf200i system.

## Specifications

### Table 1: Physical Specifications

| CombiFlash Rf+ Lumen or Rf200i | H x W x D | 61 x 36 x 43 cm | 24 x 14.1 x 17" |
| Weight | 30.75 kg | 68 lb |

### Table 2: Laboratory Requirements

**Environment**
- **Temperature**: Recommended range: 20 - 30 °C, Maximum range: 15 - 40 °C
- **Humidity**: < 90%
- Always maintain adequate ventilation to control vapors and ELSD exhaust.

**Electrical**
- **Nominal Voltage**: ± 10% (Example: 117VAC ± 11.7VAC)
- One outlet is required.

**Solvents**
- Four solvent capable.

**Gas Requirement - Nitrogen Recommended**
- **Purity**: ≥ 98%
- **Pressure**: 65± 5 psi (4.2-8.3 bar)
- **Gas Consumption**: < 2.5 l/min, max
- **System Connection**: 0.125" od, semi-rigid tubing

**Space Requirement**
- Ensure that adequate space is provided for the flash system solvent supply bottles and waste containers.

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