

CombiFlash Rf[®] Lumen Installation Requirements

Company:

Shipping Address:	Contact:	Phone:
		Email:

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.	

Demo/Installation Supplies Required

- Nitrogen tank, house nitrogen line, or nitrogen generator

Note

The CombiFlash system needs to be less than 20 ft away from the nitrogen source.

- Two adjustable wrenches for nitrogen line hook up
- Teflon tape
- 65 psi gas pressure regulator connected to nitrogen
- 4 inlet solvent 4 L bottles (Hexane, Ethyl Acetate, Dichloromethane, Methanol)
- Test tubes for rack ordered (18x150 mm, standard)
- 20 ml IPA to fill P-trap on ELSD
- Secondary containment for solvent and waste containers, if necessary.

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