

# CombiFlash<sup>®</sup> EZ Prep Lumen Installation Requirements

## Company:

Shipping Address:	Contact:	Phone:
		Email:

## Overview

This document provides general installation requirements and site preparation for the CombiFlash EZ Prep Lumen system.

## Specifications

**Table 1: Physical Specifications**

CombiFlash EZ Prep Lumen		
H x W x D	68 x 43 x 43.2 cm	26.8 x 16.9 x 17"
Weight	43.6 kg	91.6 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	<2.51 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
- 65 psi gas pressure regulator connected to nitrogen
- Teflon tape
- 4 inlet solvents in 4 L bottles (Hexane, Ethyl Acetate, Water (HPLC Grade), Acetonitrile)
- Test tubes for rack (18x150 mm standard)
- Waste container- 4 L bottle
- Sample loop waste container- 100 ml flask
- Guard column and Prep column of choice
- 1 ml and 10 ml injection syringes for sample injection and sample loop wash
- 20 ml of IPA to fill P-trap on ELSD
- Secondary containment for solvent and waste containers, if necessary.

Created August 24, 2015

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