

## EXTRACTION INSTALLATION

Revision: July 2019

### WHAT THIS GUIDE IS ABOUT

This guide is designed to help outline the requirements for installing the included extraction system. Your Universal Laser System has been supplied with an extraction system that is matched to the requirements set out by the manufacturer.

If you intend to use an extraction from another supplier, please contact LST Support prior to purchasing to obtain the extraction requirements of your Universal Laser System to ensure they are met.

If you have purchased a PUREX system from LST Group, please refer to the relevant guide.

If you require further help with the information contained in this guide, please contact the LST Group support department at [support@lstgroup.com.au](mailto:support@lstgroup.com.au)

### ITEMS REQUIRED

- Universal Laser System
- DC-3 Extraction system
- Ducting/Piping

### NOTE:

**EXTRACTION IS A REQUIREMENT SET OUT BY THE MANUFACTURER SO MUST BE INSTALLED AND TESTED PRIOR TO COMMENCING ANY OPERATION OF THE LASER SYSTEM.**

### POWER REQUIREMENTS

The LST extraction system runs on single phase, 230V AC, and requires its own 10 Amp circuit (7.7 Amp peak current draw). Running the extractor on an electrical circuit shared with the laser, computers or other machinery is likely to cause circuit breakers to trip and is a potential electrical hazard. If in doubt, please consult your electrician or maintenance/building manager.

### DIMENSIONS

The dimensions of the motor unit are: 600mm (wide) x 800mm (deep) x 600mm (high). The motor unit attached to the blue base is 700mm (wide) x 1000mm (deep) x 700mm (high).



## EXTRA PARTS

The system is supplied with dust collection bags and mounting apparatus. This is not suitable for the laser and should be discarded. Only the motor unit is required.

## DUCTING AND OUTSIDE VENTILATION

The extraction pump is provided with ducting to run from the laser's exhaust outlet to the inlet of the extraction. From here, ducting/piping from the extraction to a suitable outdoor venting point will be needed. As the specifics of each location are different, it is left to the individual company or institution to decide on how best to arrange this part of the installation. Please bear in mind that an excessively long ducting path can lower the air flow rate to an unsuitable level. The following photos show an ideal extraction set up.



## CONTACT US

**LST** GROUP

109 Bonds Rd Punchbowl NSW 2196  
Phone: 61 2 9584 9499 Fax: 61 2 9584 9550  
LSTGroup.com.au  
Sales: sales@lstgroup.com.au  
Support: support@lstgroup.com.au