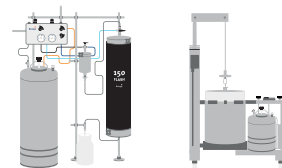


Site Requirements

Biotage® Flash 150/400 Systems



Dear Valued Customer,

The following document will assist you in the preparation of your facility for a successful installation of Biotage® Flash System. This document must be read in connection with the full engineering specification site document.

Please read and sign where indicated at the end of this document. Your signature validates that you have understood our requirements. We cannot guarantee a complete installation or demonstration if the requirements are not met. If you have any questions, please do not hesitate to contact Biotage® 1-Point Support™.

Customer Responsibility

Make sure your site meets these requirements, including the necessary ventilation, space, electric outlets, gases, and tubing required for a successful installation of the system. Users of the system should be present throughout the installation and familiarization services; otherwise, they will miss important operational, maintenance, and safety information.

Site Requirements Biotage® Flash 150

- » Oxygen free/inert gas supply between 5 and 10 bar with connection available for 1/4 inch (OD) tubing
- » A suitable ground connection
- » Mounting bars for control panel and SIM to be clamped to (clamp stand or “monkey bars”)
- » Length 35” (88 cm)
- » Width 22” (56 cm)
- » Height 42” (106 cm)

Site Requirements Biotage® Flash 400

- » Oxygen free/inert gas supply between 5 and 10 bar with connection available for 1/4 inch (OD) tubing
- » Compressed air supply between 5 and 10 bar with connection available for 1/4 inch (OD) tubing
- » A suitable ground connection
- » Length 45” (115 cm)
- » Width 30” (76 cm)
- » Height 69” (175 cm) hoist fully retracted
- » Height 95” (241 cm) hoist fully extended
- » Weight ~ 450 kg (~1000 lb) Not including solvent or column

NOTE

It is also recommended a minimum distance of 2 feet (60 cm) be maintained around the footprint of the system to allow for the various working operations (movement of the hoist, access to the control panels) and also for maintenance and service tasks.

Solvent Requirements

10 liters (minimum) of the solvent that will be used for the radial compression function on the Flash 400. (Additional solvent maybe required if the solvent pump is to be demonstrated/verified)

Power Requirements for UV Detector (Optional)

The supplied tablet is rated for ATEX use, however the UV detector, associated power supply and wifi router is not and must be sited appropriately. Fibre optic cables are available in 3 m (standard), 5 m and 10 m lengths.

ATEX Tablet, UV detector and WiFi router requires 3 x outlets, at a voltage of:

- » 115 Volts for North America
- » 230 Volts for the United Kingdom and Europe

NOTE

It is the user’s responsibility to confirm the suitability of their application with the safety regulations of their facility and ensure that adequate safety has been put in place for prevention of an ignition and spark free environment.

Training

During Installation, the Service Engineer will train up to five users on the basic operation and maintenance which will take up to four hours. Applications training is not provided during the installation.

NOTE

There are additional requirements if an IQOQ has been purchased to be performed at the installation. Please refer to the documentation provided with these services. If additional training or there are non-standard elements anticipated for the installation of your system, please contact your local sales and service team to discuss these in advance.

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Japan +81-3-5627-3123

Signature: _____ **Date:** _____

Print name: _____