



322 HPLC Pump

INSTALLATION QUALIFICATION PROCEDURES

The installation qualification (IQ) procedures are intended for end users who are implementing good laboratory practice (GLP) requirements and can be readily incorporated into proprietary standard operating procedures (SOPs).

1. Product Identification

Manufacturer

Gilson, Inc.
3000 Parmenter Street
PO Box 620027
Middleton, WI 53562-0027 USA

		SERIAL NUMBER	FIRMWARE VERSION
322 HPLC PUMP	322 HPLC Pump	_____	_____
	<input type="checkbox"/> H1 Pump Heads	_____	_____
	OR		
	<input type="checkbox"/> H2 Pump Heads	_____	_____
	Adjustable Volume Dynamic Mixer (AVDM)		
Pressure Module	_____	_____	

The serial number is found inside the door on the right side of the pump or on a sticker on the component.

Refer to the QC Checklist for the firmware version.

Supplier

Organization	<hr/> <hr/>
Address	<hr/> <hr/> <hr/> <hr/>
Phone Number	<hr/> <hr/>
Fax Number	<hr/> <hr/>
Name of Gilson Representative	<hr/> <hr/>

User

Organization	<hr/> <hr/>
Department	<hr/> <hr/> <hr/> <hr/>
Site (Room)	<hr/> <hr/> <hr/> <hr/>
Primary Contact Name	<hr/> <hr/> <hr/> <hr/>
Phone	<hr/> <hr/> <hr/> <hr/>
Email	<hr/> <hr/> <hr/> <hr/>
Date of Installation	<hr/> <hr/> <hr/> <hr/>

2. Pre-Installation

Instrument Description

The 322 HPLC Pump is a multi-solvent pump for analytical to semi-preparative high performance liquid chromatography (HPLC). It accommodates flow rates from 0.15 mL/min up to 30 mL/min at pressures up to 8700 psi (600 bar). It includes a built-in, high-pressure adjustable volume dynamic mixer (AVDM) allowing users to perform a binary gradient with a single unit. The 322 Pump is controlled by TRILUTION® LC Software as part of an HPLC system.

For technical specifications, refer to the *322 HPLC Pump User's Guide*.

Unpacking

When unpacking the pump(s), check the contents against the information listed under the **Unpacking** heading in the *322 HPLC Pump User's Guide*.

Retain all packing material so the instrument(s) may be shipped safely in the future.

Installation Site Requirements

REQUIREMENT	DESCRIPTION
Electrical	Line Voltage 90–260 VAC Frequency 50 or 60 Hz Power Consumption 150 W
Environmental	Operating Temperature 4°C to 40°C Operating Humidity 15%–80% Operating Altitude Up to 2000 m (81 kPa or 604 mmHg)
Physical	Dimensions (W x D x H) 26 x 45.7 x 30.3 cm (10.2 x 18 x 11.9 in.) Weight 25.9 kg (57 lbs.) Shipping Weight: 30.4 kg (67 lbs.)

Documents

The following documents are provided. For reference purposes, specify the storage location for each.

PART NUMBER	DESCRIPTION	STORAGE LOCATION
LT801384USB	Documentation USB	_____
LT312851	Declaration of Conformity	_____
LQCC0017	QC Checklist	_____
LT801397	Unpacking Notice	_____
LPTR0002	Pump Test Report	_____

3. Installation

When setting up the pump(s) follow the instructions provided in the *322 HPLC Pump User's Guide*.

4. Acceptance

If no installation problems were detected or installation problems that were detected were resolved, have the local Gilson representative who installed the pump(s) (if applicable) provide the information requested below.

Gilson Representative	_____
Organization	_____
Signature	_____
Date	_____
<input type="checkbox"/> End user was provided with a copy of this document.	