



VERITY® 3240 High Pressure Binary Gradient Pump

INSTALLATION QUALIFICATION PROCEDURES

1. Product Identification

Manufacturer

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

Instrument Name	Serial Number*
VERITY® 3240 High Pressure Binary Gradient Pump	_____

*THE SERIAL NUMBER IS LOCATED ON THE REAR PANEL OF THE PUMP

Supplier

Organization	_____
Address	_____ _____ _____
Phone Number	_____
Name of Gilson Representative	_____

User

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

2. Pre-Installation

Instrument Description

The VERITY® 3240 High Pressure Binary Gradient Pump is a high-pressure and multi-solvent pump for preparative high performance liquid chromatography (HPLC). Composed of two reciprocating piston pumps, it accommodates flow rates from 3 mL/min up to 150 mL/min and pressure up to 420 bar (6090 psi), and allows users to perform a binary gradient with pulse-free stable solvent flow for a wide variety of liquids, including high-viscosity solvents.

Unpacking

Upon receipt of the instrument, inspect the exterior of the shipping box. It should arrive unopened and undamaged. If examination reveals that damage has occurred in shipment, notify the carrier and Gilson immediately.

 **WARNING**



Do not plug in the equipment if any damage is detected. Powering the instrument in a damaged state may result in serious injury and may damage internal components of the instrument.

The pump is delivered with most major components already assembled. Keep the original container and packing assembly so the unit may be shipped safely, if necessary.

Carefully unpack the pump and its accessories from the carton. Verify that all parts are included and undamaged. Do this now, even if the pump will not be used immediately. Many carriers must receive concealed damage claims within seven days of delivery.

CAUTION



It is necessary for two people to lift the VERITY 3240 Pump out of the box. The VERITY 3240 Pump weighs approximately 30 kg (66 lbs.) and an additional 5 kg (11 lbs.) with packaging. Casing includes two recesses on both sides for a better grip. To avoid personal injury and for general safety, if moving or lifting the instrument, always get another person to assist you. Always follow local health and safety regulations.

CAUTION

The pump is shipped with the fluid path filled with an alcoholic aqueous solution (v/v). Observe all laboratory safety precautions when handling solvents.

Wear appropriate personal protection equipment (PPE) when unloading the pump (safety shoes). Do not wear loose clothing or accessories when moving the pump.

Place the pump at suitable location, such as a lab bench or cart, and always on a flat, level surface. Do not place the PC too close to the pump in case of leakage.

NOTICE

It is recommended to operate the VERITY 3240 Pump inside a fume hood to ensure proper ventilation. Allow sufficient spacing around the pump for proper cooling and for the different connections. Free spaces of at least 20 cm must be kept around the instrument at all times to allow for proper tubing and cable connections and to provide adequate ventilation during operation.

Documents

Product user documentation is supplied on a documentation USB. For reference purposes, specify the storage location of the USB.

Part Number	Description	Storage Location
LT3240USB	VERITY® 3240 High Pressure Binary Gradient Pump Documentation USB	_____

Installation/Operating Environment

Place the pump in a suitable location that satisfies the following conditions:

- Level surface.
- Equipment is intended for use in regular laboratory environment only.

Installation Site Requirements

Specification	Definition or Value
Electrical	<p>Line Voltage 110–120 V~ (Single-Phase, ±10%) (P/N 21144001, 21144002, and 21144003) or 220–240 V~ (Single-Phase, ±10%) (P/N 21144004, 21144005, and 21144006)</p> <p>Line Frequency 50 or 60 Hz</p> <p>Power Consumption 220 W max.</p> <p>Overvoltage Category CAT II</p> <p>Electrical Protection Required at customer facility: differential circuit breaker 30 mA General: delayed action fuses 3.15A H 250V~, T-type 24VDC: delayed action fuses with different ratings, L 250V~, T-type</p>
Environmental	<p>Indoor use only</p> <p>Operating Temperature 5°C to 40°C (41°F to 104°F)</p> <p>Operating Relative Humidity Up to 80% for temperatures up to 31°C, decreasing linearly to 50% at 40°C</p> <p>Operating Altitude Up to 2000 m</p> <p>Temperature of Liquid Pumped 5°C to 40°C (41°F to 104°F)</p> <p>Pollution Degree Degree 2 (normally only nonconductive pollution occurs, temporary conductivity caused by condensation is to be expected)</p>
Physical	<p>Dimensions (W x D x H) 36 x 45.5 x 24 cm (14.2 x 17.7 x 9.4 in.)</p> <p>Weight 30 kg (66 lbs.) Shipping weight: 35 kg (77 lbs.)</p>

3. Installation

When setting up the VERITY 3240 Pump, follow the instructions provided in the *VERITY® 3240 High Pressure Binary Gradient 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 VERITY 3240 Pump (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.	