Blue-White®

Quick Start Guide

A1

FLEXFLO® Peristaltic Chemical Feed Pump

Scan QR Code and link to Support Hub with access to complete manual, accessories, videos, spare parts and support features

A1 Support Hub

SAFETY
Safety Precautions

CAUTION

- Follow these instructions before installing your pump to avoid failure.
- The pump is designed to be installed and operated by qualified personnel only. Please note that warranty coverage does not include damage due to misuse or improper installation.
- Ensure pump is installed according to instructions and site guidelines.
- Always wear eye protection when installing or removing chemical feed pumps.
- Wear suitable PPE (Personal Protective Equipment) such as gloves, goggles, masks, protective gear, chemical resistant clothing, and proper footwear to avoid injury due to splashes, spills, and fumes.
- Confirm chemicals being used with the pump are compatible with wetted components of the pump. Review all SDS sheets prior to use or service. User is responsible for determining chemical compatibility with pump.
- Inspect equipment regularly for wear, leaks, or abnormal operation.
- Only use the pump for the purpose which it is intended.
- This pump should not be used by children and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge.
- Pump is not a toy. Do not allow children to play with the pump.

PRESSURE

- Maximum Pressure is 100 PSI (6.9 bar). Note that individual pump tube may have a lower pressure rating. Do not exceed maximum pressure. High pressure and temperature will damage the tube and pump.

WARNING

- Risk of electric shock – cords are supplied with a grounding conductor and grounding-type attachment plug. To reduce risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.
- Power cord connection is located on bottom of the pump. Power cords must be type IEC 320-C13.
- Be certain to connect the pump to the proper supply voltage. Using the incorrect voltage will damage the pump and may result in injury. The voltage requirement is printed on the pump serial label.
- Electrical connections and grounding must conform to local electrical codes.
- Use the voltage for which the cord is rated.
- To prevent electronic noise interference, electronic signal wires and AC power wires must be kept separate. Do not bundle these cables together or run within the same conduit.
- When there is a power interruption, the pump will restart (resume) in the same state as prior to power interruption.
- POWER: 115V60Hz (0.6A max.), 220V50Hz (0.3A max.), 230V60Hz (0.3A max.), 230V50Hz (0.3A max.), 240V50Hz (0.3A max.) 42 W Max.
- COVERS FOR USB CONNECTION AND M12 CONNECTIONS MUST BE IN PLACE WHEN NOT CONNECTED TO CABLES
- Serial Label is located on right side of pump. Install pump so label is visible after installation.
- Do not open the pump electrical enclosure. No serviceable parts inside.

PRE-INSTALLATION

Before you begin

In the Box

- A1 Chemical feed pump
- Mounting hardware kit
- Strainer
- Injector
- Suction/Discharge tubing with "T" style inlet/outlet connections.
- Polycarbonate display cover
- Quick Start Guide

Tools Needed

For mounting:
Drill w/ 5/32 bit
Phillips head screwdriver

For service:
Allen wrench 5/32" for pump head screws removal. Hand tighten all fittings/screws.

Download Instruction Manual

For complete instructions on installation, operation, and maintenance. Use the QR Code on front page.

Planning

Mounts and supports must be sturdy enough to support pump and tubing. Allow space around pump for maintenance. Pump can be mounted to wall or shelf. Tubing must be ordered separately. Ensure length of tubing is proper for your installation.

Wiring

Pump is provided with a removable power cord (if ordered.) If control wiring is needed (C model), access the signal wiring receptacles on the right side of the pump and remove covers. Shielded cable is recommended for signal output connections. Refer to the manual for guide on signal wiring.

Maintenance / Service / Parts

Periodic cleaning of pump head is necessary. Tube replacement will be required. frequency will depend on duty and pressure. Instructional videos on tube replacement are available.

Refer to manual for details on replacing parts or contact the factory for support.

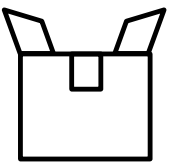
Tube Replacement Video

INSTALLATION

Step-By-Step

1 Unpacking and Inspection

Ensure all components are provided and inspected. Initially test the pump prior to site installation to ensure pump has not been damaged in transit. Contact factory or local distributor if any components are missing or damaged.



2 Chose location

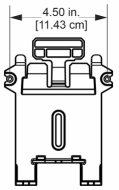
Locate the pump close to source tank and on a solid level surface. Ensure enough space for suction and discharge tubing connections and wiring, if needed. Pump should be easy to access for operators and maintenance personnel.
Install so that Serial Label is visible on right side of pump.

Continued on next page

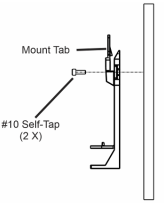
3 Install Pump / Connect Tubing

Mounting pump: Using the provided #10 self-tapping screws, or appropriate surface hardware, mount the bracket to a secure wall or shelf that is located where it can be easily serviced. Use integrated wall mount holes or shelf mount holes.

Lower the pump so that the tab on the wall mount is inserted into the slot located on the back of the pump. The pump will now be secured to the wall mount bracket. To remove pump, pull tab and lift pump.



Mount Bracket (Front View)



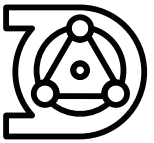
Wall Mount Bracket (Side View)

WARNING

Connect power cord to receptacle at the bottom of pump. Plug in or connect cord wiring to the proper supply voltage. Using the incorrect voltage will damage the pump and may result in injury. The voltage requirements is printed on the pump serial label.

Connect suction and discharge tubing (provided separately.) Use provided foot valve and injector. Installation of check valve and pressure relief valve is recommended.

4 Prime and Calibrate



The pump should be primed and calibrated to ensure proper flow and verify flow rate. Pump is self-priming. To prime, run pump at 100% speed until solution has reached the discharge point. Measure flow rate for 1 minute and calculate flow rate from total volume pumped. Use value to determine correct pump setting.

5 Controls and Features

After installation, the pump may need to be programmed for desired flow rate, external inputs, and output alarms. Reference Instruction Manual for details on your specific model. All pumps come equipped with TFD system (tube failure detection) which will stop pump when a leak is detected.

WARRANTY
Information

ISO 9001:2015 CERTIFIED

MADE IN THE USA

LIMITED WARRANTY

Your Blue-White product is a quality product and is warranted for a specific time from date of purchase (proof of purchase is required). The product will be repaired or replaced at our discretion. Failure must have occurred due to defect in material or workmanship and not as a result of operation of the product other than in normal operation as defined in the product manual. Warranty status is determined by the product's serial label and the sales invoice or receipt. The serial label must be on the product and legible. The warranty status of the product will be verified by Blue-White or a factory authorized service center.

FLEXFLO A1 pump is warranted for 2 years from date of purchase (proof of purchase is required). The pump will be repaired or replaced at our discretion.

FOR COMPLETE WARRANTY INFORMATION REFER TO PRODUCT MANUAL

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Have Questions? Contact us

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