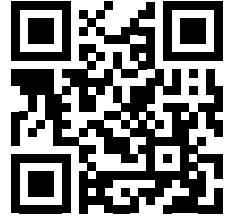




# Series e-90E Smart Pump

THE MANUAL IS AVAILABLE AT:  
<https://qr.xylemsales.com/0y5nh6>



For safety and correct product usage, read the manual before this product is used.

## 1 Introduction

**NOTICE:**



Read the installation, operation and maintenance instructions located on the Xylem website before use. Improper use of the product can cause personal injury and damage to property and may void the warranty. See e-90E Smart Pump Instruction Manual for complete Product Warranty.



**WARNING:**

Always lock out power to the driver before you perform any installation of maintenance tasks. Failure to disconnect and lock out driver power will result in serious injury.



**WARNING:**

This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**WARNING:**

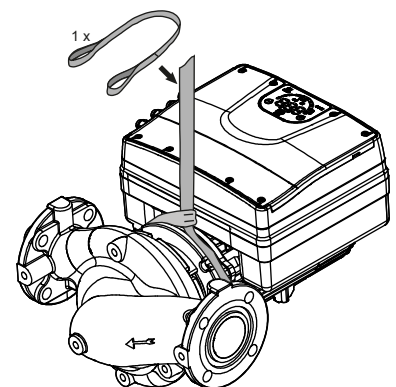
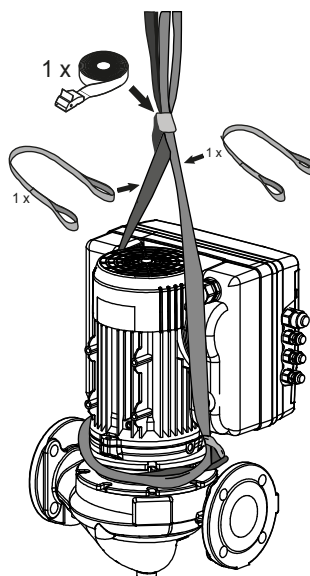
Personal protective equipment should be worn when handling this equipment. Only use properly sized certified lifting equipment & lifting devices, including slings, suitably rated for the weights to be lifted. Slings, when used, must be of identical materials to avoid differences in stretch rates. Do not use lifting devices that are frayed, kinked, unmarked, or worn.

## 2 Transportation requirements



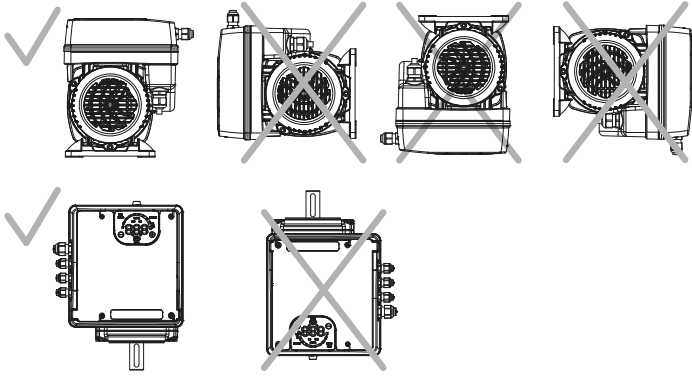
**WARNING:**

- Assembled units and their components are heavy. Failure to properly lift and support this equipment can result in serious physical injury and/or equipment damage. Lift equipment only at the specifically identified lifting points. Lifting devices such as eyebolts, slings, and spreaders must be rated, selected, and used for the entire load being lifted.
- Crush hazard. The unit and the components can be heavy. Use proper lifting methods and wear steel-toed shoes at all times.



 For safety and correct product usage, read the manual before this product is used.

### 3 Unit Installation



- Position the unit as shown.
- Install the unit according to the liquid flow of the system.
- The arrows on the pump body indicate the flow and the rotation direction.
- The standard rotation direction is clockwise (looking at the fan cover).
- Always install a backflow-prevention device on the suction side.
- Always install the pressure sensor on the delivery side, after the check valve.

### 4 Check Rotation



1. Unlock power to the driver.
2. Make sure that everyone is clear, and then jog the driver long enough to determine that the direction of rotation corresponds to the arrow on the pump. Pump rotation is clockwise when viewed from the back of the motor. An arrow is provided to show rotational direction.
3. Lock out power to the driver.

### 5 Piping Requirements

Check that a section of straight pipe, with a length that is a minimum of five times its diameter, is installed between the suction side of the pump and the first elbow, or that a B&G Suction Diffuser is installed.	Check that you have a foot valve of equal or greater area than the pump suction piping when you use in an open system with a suction lift.
Check that the suction and discharge pipes are supported independently by use of pipe hangers near the pump.	Check that a B&G Triple Duty® valve is installed in the discharge line.
Check that there is a strong, rigid support for the suction and discharge lines.	Check that the pipeline has isolation valves around the pump and has a drain valve in the suction pipe.
For pumps with flanges, check that the bolt holes in the pump flanges match the bolt holes in the pipe flanges.	Use PTFE tape sealer or a high quality thread sealant when you install the suction and discharge connections to a threaded pump housing.
Check that the suction or discharge lines are not forced into position.	On an open system, check that the end of the suction pipe is at least 3 ft. below the surface of the water in the suction well.
Check that fittings for absorbing expansion are installed in the system when considerable temperature changes are expected.	Check that new flange gaskets are installed between the flanges of the pump body suction and discharge pipes. Make sure that these gaskets are clean and grease-free.

### Xylem Product Cybersecurity

Xylem values system security and resilience. Defending against cybersecurity threats is a shared responsibility. Xylem builds products that are secure by design. Our customers have a responsibility to understand the risks inherent in their processes and take steps to operate and maintain their solutions securely. For details and updates on Xylem product cybersecurity visit [xylem.com/security](http://xylem.com/security)

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