

Grundfos 96402711

Grundfos 96402711 UPS 32-80 F 200 Series Circulator Pump Instruction Manual

Model: 96402711

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Grundfos UPS 32-80 F 200 Series Circulator Pump. Please read these instructions carefully before installing or operating the pump.

1.1 Safety Information

- Always disconnect power before performing any installation, maintenance, or service.
- Ensure all electrical connections are made by a qualified electrician and comply with local codes.
- The pump operates with high voltage (460V); exercise extreme caution.
- Do not operate the pump without liquid.

2. PRODUCT OVERVIEW

The Grundfos UPS 32-80 F 200 Series Circulator Pump is a canned rotor type, where the pump and motor form an integral unit without a shaft seal. Bearings are lubricated by the pumped liquid. This design minimizes maintenance and simplifies disposal.

Key characteristics include a 2-speed motor, ceramic radial bearings, carbon axial bearings, and stainless steel components for the rotor can, bearing plate, and rotor cladding. The stator housing is made of aluminum alloy, and the pump housing is cast iron. The stator includes a built-in thermal switch. This model features a 3-phase motor and is supplied with a standard module in the terminal box for connection to the main supply via an external contactor.



An image showing the Grundfos UPS 32-80 F 200 Series Circulator Pump, a red-colored unit with a motor housing and two flanged pipe connections.

3. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	96402711
Motor Type	3-phase
Rated Voltage	460V
Frequency	60 Hz
Flange Standard	USA Oval
Pipe Connection	GF 15/26
Pressure Stage	145 PSI
Max. Operating Pressure	145.04 PSI
Item Weight	35.9 pounds
Materials	Aluminum, Stainless Steel, Cast Iron

4. INSTALLATION

4.1 Pre-Installation Checks

- Verify that the pump's specifications match the system requirements.
- Inspect the pump for any visible damage from shipping.
- Ensure adequate space for installation, maintenance, and ventilation.

4.2 Mounting

- Mount the pump in a horizontal position with the motor shaft horizontal to ensure proper bearing lubrication.
- Use appropriate gaskets and ensure pipe connections (GF 15/26, USA Oval Flange) are secure and leak-free.
- Support the piping adequately to prevent strain on the pump housing.

4.3 Electrical Connection

- The pump requires a 3-phase, 460V, 60 Hz power supply.
- Connect the standard module in the terminal box to the main supply via an external contactor.
- Ensure proper grounding according to local electrical codes.
- Verify correct motor rotation direction upon initial startup.

5. OPERATION

5.1 Initial Startup

- Before starting, ensure the system is filled with liquid and vented to remove air.
- Gradually open isolation valves.
- Energize the pump via the external contactor.

- Monitor for unusual noises or vibrations.

5.2 Speed Adjustment

The pump features a 2-speed motor. Refer to the specific wiring diagram provided with your pump for instructions on how to switch between the two speeds. Adjust speed based on system flow and head requirements.

6. MAINTENANCE

The Grundfos UPS 32-80 F 200 Series pump is designed for minimal maintenance due to its canned rotor design and liquid-lubricated bearings.

6.1 Routine Checks

- Periodically check for leaks around pipe connections.
- Listen for unusual noises or vibrations, which may indicate a problem.
- Ensure the motor is not overheating (the built-in thermal switch provides protection).

6.2 Cleaning

Keep the exterior of the pump clean and free from dust and debris to ensure proper heat dissipation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start	No power supply; Thermal overload tripped; External contactor issue	Check power connections; Allow motor to cool; Inspect external contactor
Reduced flow or pressure	Air in system; Partially closed valves; Clogged impeller	Vent the system; Open valves fully; Inspect and clean impeller
Excessive noise/vibration	Air in system; Cavitation; Loose mounting; Worn bearings	Vent the system; Ensure adequate inlet pressure; Tighten mounting bolts; Contact service if bearings are suspected
Pump leaks	Loose pipe connections; Damaged gaskets	Tighten connections; Replace gaskets

For issues not listed or if problems persist, contact Grundfos technical support.

8. WARRANTY AND SUPPORT

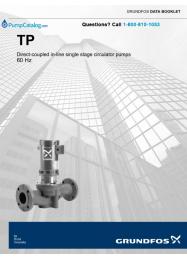
8.1 Warranty Information

Grundfos products are covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the official Grundfos website or contact your local Grundfos representative.

8.2 Technical Support

For technical assistance, spare parts, or service, please contact Grundfos customer support or an authorized service center. Have your pump model number (96402711) and serial number ready when contacting support.

Related Documents - 96402711

	<p>Grundfos UP, UPS, UPSD MEDIUM Circulator Pump Instructions and Guide Official instructions and technical specifications for Grundfos UP, UPS, UPSD MEDIUM circulator pumps, covering installation, operation, and safety guidelines.</p>
	<p>Grundfos TP Circulator Pumps Data Booklet Comprehensive data booklet for Grundfos TP series direct-coupled, in-line, single-stage circulator pumps operating at 60 Hz. Includes product introduction, overview, construction details, operating conditions, installation guidelines, product selection criteria, performance curves, dimensions, weights, accessories, motor data, and submittal information.</p>
	<p>Grundfos UP Series Circulator Pumps Technical Data Booklet Comprehensive technical data, performance curves, and cross-reference charts for Grundfos UP Series circulator pumps, covering various models for heating, hot water, and cooling systems.</p>
	<p>Grundfos UP, UPS, UPN, UPSN, UP(S) CIL2 Installation and Safety Instructions Comprehensive instructions for Grundfos UP, UPS, UPN, UPSN, and UP(S) CIL2 circulator pumps, covering safety guidelines, technical specifications, installation procedures, and disposal information.</p>
	<p>Grundfos ALPHA 15-58 Installation and Operating Instructions Comprehensive installation and operating manual for the Grundfos ALPHA 15-58 high-efficiency circulator pump. Learn about setup, control functions, troubleshooting, and technical specifications.</p>
	<p>Grundfos ALPHA2 L Model C Circulator Pump: Installation and Operating Instructions Comprehensive instructions for the Grundfos ALPHA2 L Model C circulator pump, covering installation, operation, safety, and technical specifications. Learn how to install and use your Grundfos pump efficiently.</p>

