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Grundfos 96416597

Grundfos Gasket for CR32 Pump - Instruction Manual

Model: 96416597

PRODUCT OVERVIEW

This document provides essential information for the Grundfos Gasket, part number 96416597, designed specifically for use with Grundfos CR32 series pumps. This gasket is a critical component for maintaining the seal integrity of the pump, preventing leaks and ensuring efficient operation.



Figure 1: Grundfos Gasket, part number 96416597. This image displays the typical appearance of the gasket, which is designed to create a secure seal within the CR32 pump assembly.

SPECIFICATIONS

Attribute	Detail
Part Number	96416597
Compatible Pump Series	Grundfos CR32 Pumps
Material	EPDM (Ethylene Propylene Diene Monomer)
Package Dimensions	8.19 x 5.98 x 0.12 inches
Weight	1.59 ounces

Manufacturer	Grundfos Pumps Corp.
ASIN	B008FM7CSS

INSTALLATION (SETUP)

Proper installation of the gasket is crucial for preventing leaks and ensuring the longevity of your pump system. Always refer to the specific service manual for your Grundfos CR32 pump model for detailed, step-by-step instructions. The following are general guidelines:

1. **Safety First:** Before beginning any work, ensure the pump system is completely de-energized and depressurized. Isolate the pump from all power sources and fluid lines.
2. **Drain System:** Drain any fluid from the pump and associated piping to prevent spills.
3. **Disassembly:** Carefully disassemble the pump section where the gasket is to be replaced. Note the orientation and position of all components.
4. **Clean Surfaces:** Thoroughly clean all mating surfaces where the new gasket will be seated. Remove any old gasket material, dirt, or corrosion. Ensure surfaces are smooth and dry.
5. **Inspect Gasket:** Before installation, inspect the new Grundfos gasket (part 96416597) for any signs of damage, such as cuts, tears, or deformities. Do not use a damaged gasket.
6. **Position Gasket:** Carefully place the new gasket into its designated groove or position. Ensure it is seated correctly and not twisted or pinched.
7. **Reassembly:** Reassemble the pump components according to the manufacturer's torque specifications and sequence. Uneven tightening can lead to leaks.
8. **System Re-pressurization:** Slowly re-pressurize the system and check for leaks before fully restoring operation.

Note: It is recommended that installation be performed by qualified personnel familiar with pump maintenance procedures.

MAINTENANCE

The EPDM gasket itself is a passive component and does not require active maintenance. However, its performance is directly related to the overall maintenance of the pump system. Regular inspection of the pump for leaks is the primary maintenance activity related to the gasket.

- **Leak Detection:** Periodically inspect the pump and piping connections for any signs of fluid leakage. Even minor drips can indicate a failing gasket or improper seal.
- **Environmental Factors:** Ensure the pump operates within its specified temperature and pressure ranges. Extreme conditions can accelerate gasket degradation.
- **Replacement Schedule:** Gaskets are wear items. While there isn't a universal replacement schedule, consider replacing gaskets during major pump overhauls or if any signs of wear or leakage are observed. Always use genuine Grundfos replacement parts.

TROUBLESHOOTING

The primary issue related to a gasket is leakage. If you observe fluid leaking from your Grundfos CR32 pump, consider the following troubleshooting steps:

- **Identify Leak Location:** Pinpoint the exact source of the leak. If it's from a flanged or sealed joint, the gasket is a likely culprit.

- **Check Bolt Torque:** Ensure all bolts securing the pump sections or flanges are tightened to the manufacturer's specified torque. Uneven or insufficient torque can cause leaks. Do not overtighten, as this can damage the gasket or pump housing.
- **Inspect Gasket:** If the leak persists after checking torque, the gasket may be damaged, worn, or improperly installed. This requires disassembling the pump section to inspect and replace the gasket. Look for:
 - Cracks or tears
 - Compression set (gasket has lost its elasticity)
 - Signs of chemical attack or degradation
 - Improper seating or pinching
- **Surface Condition:** Ensure the mating surfaces are clean, smooth, and free from scratches or deformities that could compromise the seal.

Warning: Do not attempt to repair a leaking pump while it is under pressure or operating. Always follow proper lockout/tagout procedures.

DISPOSAL

When replacing the old gasket, dispose of it according to local environmental regulations. EPDM material is generally considered non-hazardous, but local guidelines for industrial waste should be followed.

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For further assistance, please contact Grundfos customer support or visit the official Grundfos website.

www.grundfos.com

Related Documents - 96416597

 <p>Grundfos MI 301 Notice d'installation et de fonctionnement</p>	<p>Grundfos MI 301 : Guide d'installation et de fonctionnement</p> <p>Ce document fournit des instructions essentielles pour l'installation et le fonctionnement de l'interface mobile Grundfos MI 301. Il détaille les caractéristiques du produit, les options de connectivité via Bluetooth, radio et infrarouge, et propose des conseils de dépannage pour une intégration transparente avec les équipements Grundfos.</p>
 <p>Grundfos MI 301 Installation and operating instructions</p>	<p>Grundfos MI 301: Installation and Operating Instructions</p> <p>This document provides installation and operating instructions for the Grundfos MI 301 mobile interface. Learn how to connect, control, and maintain Grundfos pumps remotely using the Grundfos GO Remote app.</p>
 <p>UPM3(K) AUTO</p>	<p>Grundfos UPM3(K) AUTO Circulation Pump - Installation and Operation Instructions</p> <p>Comprehensive instructions for the Grundfos UPM3(K) AUTO high-efficiency circulation pump, covering installation, operation, technical specifications, and safety guidelines.</p>

 <p>Grundfos UPM3 Auto L 15/70</p> <p>Grundfos UPM3 Auto L 15/70 Instructions for the Grundfos UPM3 Auto L 15/70 pump unit. This manual provides information on the installation, commissioning, and operation of the Grundfos UPM3 Auto L 15/70 pump unit. It also includes troubleshooting and maintenance instructions. The pump unit is a compact, self-priming, variable speed circulator pump designed for use in various heating and cooling systems.</p> <p>CONTENTS</p> <ul style="list-style-type: none"> 1. Introduction 2. Installation 3. Commissioning 4. Operation 5. Troubleshooting 6. Maintenance 7. Technical data 8. Appendices <p>ALPHA</p> <p>Installation and operating instructions</p> 	<p><u>Grundfos UPM3 Auto L 15/70 Asennusohjeet – Käyttö ja Asetukset</u></p> <p>Asennusohjeet Grundfos UPM3 Auto L 15/70 -kiertovesipumpulle. Opi käyttämään, säätämään ja ymmärtämään pumpun eri tiloja, käyriä ja hälytyksiä. Sisältää tekniset tiedot ja kytkenkäytöohjeet.</p>
 <p>ALPHA</p> <p>Installation and operating instructions</p>	<p><u>Grundfos ALPHA 15-58 Installation and Operating Instructions</u></p> <p>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>ALPHA2 L</p> <p>Model C</p> <p>GRUNDFOS</p>	<p><u>Grundfos ALPHA2 L Model C Circulator Pump: Installation and Operating Instructions</u></p> <p>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>