

## SUNTEC AN67C-7233

# SUNTEC Burner Oil Pump Gear Pump Instruction Manual

Model: AN67C-7233

## 1. INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your SUNTEC Burner Oil Pump Gear Pump, Model AN67C-7233. This component is designed for use in burner systems to ensure reliable oil supply and pressure regulation. Please read this manual thoroughly before attempting any installation or operation.

## 2. SAFETY INFORMATION

- **Professional Installation Recommended:** Installation and servicing of this oil pump should only be performed by qualified and authorized personnel familiar with burner systems and oil handling procedures.
- **Electrical Safety:** Ensure all electrical connections are made according to local codes and manufacturer specifications. Disconnect power before servicing.
- **Oil Handling:** Exercise caution when handling fuel oil. Wear appropriate personal protective equipment (PPE) to prevent skin contact and inhalation of fumes.
- **Pressure Hazard:** The pump operates under pressure. Ensure all connections are secure and leak-free before operation. Do not exceed the maximum operating pressure.
- **Hot Surfaces:** The pump and surrounding components may become hot during operation. Allow to cool before handling.

## 3. PACKAGE CONTENTS

- 1 x SUNTEC Burner Oil Pump Gear Pump (Model AN67C-7233)
- *Note: Additional mounting hardware or accessories may be sold separately.*

## 4. SETUP AND INSTALLATION

Proper installation is critical for the safe and efficient operation of the oil pump. Refer to your burner system's specific installation diagrams and guidelines in conjunction with these general instructions.

1. **Mounting:** Securely mount the pump to the designated location on the burner assembly using appropriate fasteners. Ensure the pump is stable and free from vibration.

2. **Oil Line Connections:** Connect the suction and return oil lines to the pump's inlet and outlet ports. Ensure all connections are tight and sealed to prevent leaks.
3. **Pressure Regulation:** The pump features pressure adjustment capabilities. The maximum operating pressure for the main line and bypass is **2 bar max**. Adjust according to your burner system's requirements.
4. **Electrical Connections:** Connect the pump's electrical wiring to the burner control system as per the system's wiring diagram. Verify correct voltage and polarity.
5. **Priming:** After installation, the pump may need to be primed to remove air from the oil lines. Follow your burner system's priming procedure.



**Figure 1:** Front view of the SUNTEC Burner Oil Pump, Model AN67C-7233. The image displays the SUNTEC brand logo, the text "Made in France - 21600 Longvic", and indicators for pressure settings: "2 bar max" for the main line and "BY-PASS 2 bar max" for the bypass line, along with directional arrows.

## 5. OPERATING INSTRUCTIONS

Once properly installed and primed, the SUNTEC oil pump will operate in conjunction with your burner control system to deliver fuel oil at the required pressure. Monitor system pressure gauges to ensure operation within specified limits.

- **Initial Startup:** After installation, carefully follow the burner manufacturer's startup procedure.
- **Pressure Monitoring:** Regularly check the oil pressure to ensure it remains within the recommended range for your burner system. The pump is designed for a maximum pressure of 2 bar.
- **Bypass Function:** The bypass mechanism, also rated at 2 bar max, helps regulate excess oil flow back to the tank, maintaining stable system pressure.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your oil pump. Always disconnect power to the burner system before performing any maintenance.

- **Visual Inspection:** Periodically inspect the pump and connections for any signs of leaks, corrosion, or damage.
- **Filter Checks:** If your system includes an oil filter, check and clean or replace it as recommended by the burner manufacturer. A clogged filter can affect pump performance.
- **Cleaning:** Keep the exterior of the pump clean and free from dust and oil buildup.

## 7. TROUBLESHOOTING

If you encounter issues with your oil pump, consider the following common problems and solutions. For complex issues, consult a qualified technician.

- **No Oil Flow:** Check for clogged filters, air in the lines (requires priming), or a faulty motor/pump.
- **Low Oil Pressure:** Verify pressure settings, check for air leaks in the suction line, or inspect for wear in the pump components.
- **Oil Leaks:** Inspect all connections and seals. Tighten loose fittings or replace damaged gaskets/seals.
- **Unusual Noise:** May indicate air in the system, cavitation, or internal pump wear.

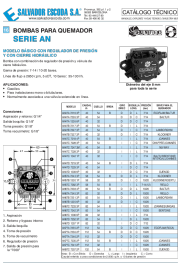
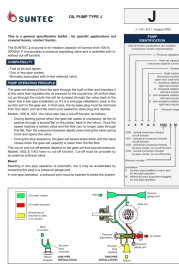
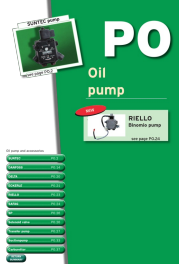
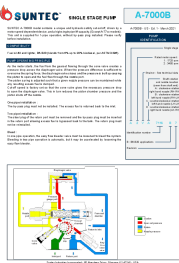
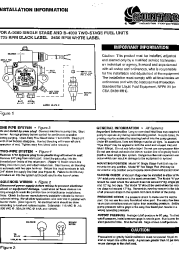

## 8. SPECIFICATIONS

Feature	Detail
Brand	SUNTEC (Manufacturer)
Model Number	AN67C-7233
Manufacturer	Original factory
Origin	Made in France (Longvic)
Item Weight	20 pounds
Product Dimensions	1 x 1 x 1 inches
Maximum Pressure	2 bar (main and bypass)
Included Components	NEW (Pump unit)
ASIN	B0DF78XZN2
Date First Available	August 26, 2024

## 9. WARRANTY AND SUPPORT

Specific warranty information for the SUNTEC Burner Oil Pump Gear Pump Model AN67C-7233 is not provided in this manual. For warranty details, technical support, or replacement parts, please contact the original seller or the manufacturer directly. Keep your purchase receipt as proof of purchase.

### Related Documents - AN67C-7233

	<p><a href="#">Catálogo Técnico: Bombas para Quemador Suntec Serie AN</a></p> <p>Catálogo técnico detallado de las bombas para quemador Suntec Serie AN. Incluye especificaciones de caudal, presión, conexiones y compatibilidad con quemadores. Ideal para aplicaciones de gasóleo en sistemas mono y bitubulares.</p>
	<p><a href="#">Suntec Oil Pump Type J Technical Specification</a></p> <p>Detailed technical specifications, operating principles, compatibility information, and installation guidance for the Suntec Oil Pump Type J series, designed for medium capacity oil burners (400-3000kW). It details pump identification, hydraulic data, performance curves, and dimensional information.</p>
	<p><a href="#">Suntec Oil Pumps Catalog and Technical Guide</a></p> <p>A comprehensive catalog and technical guide for oil pumps from various manufacturers including Suntec, Danfoss, Eckerle, Riello, and SAFAG. It details pump specifications, replacement tables, accessories, and technical data for burner applications.</p>
	<p><a href="#">Suntec A-7000B Single Stage Oil Pump: Technical Specifications and Operation</a></p> <p>Detailed information on the Suntec A-7000B single-stage oil pump, covering operating principles, installation, technical specifications, compatibility, and ratings for various models.</p>
	<p><a href="#">Suntec A-3000 and B-4000 Fuel Unit Installation Guide</a></p> <p>Installation instructions for Suntec A-3000 single-stage and B-4000 two-stage fuel units, including wiring, system setup, and line length recommendations.</p>
	<p><a href="#">Suntec Technical Manual for Low Flow Oil Pumps</a></p> <p>Comprehensive technical manual detailing the operation, installation, and maintenance of Suntec low flow oil pumps. Includes cross-reference conversion tables for ECKERLE, DANFOSS, and DELTA models, pump identification, spare parts, connections, and troubleshooting FAQs.</p>

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## 10 BOMBAS PARA QUEMADOR SERIE AN

### MODELO BÁSICO CON REGULADOR DE PRESIÓN Y CON CIERRE HIDRÁULICO

Bomba con contracción del regulador de presión y válvula de cierre hidráulico.

Gama de presión: 7-14 / 10-12 bar.

Línea de flujo: 4 de Ø280, 30, 32, 10 metros: 35-150 l/h.

#### APLICACIONES:

- Gasolina
- Pesa instantánea motor a bolidos
- Alimentación asociada a una estructura existente en línea.

#### Variantes:

Aspiración y regulación: 0"14"

Seda de bolidos: 1/2"

Temperatura: 60°C

Tiempo vacuación: 0"18"

1. Aspiración
2. Retorno y Bypass interno
3. Seda de bolidos 1/2"
4. Torno de presión
5. Torno de vacío
6. Regulador de presión
7. Seda de aspiración en 0"14"
8. Torno

Diámetro del Ø 8 mm  
para toda la serie.

Modelo	Catrol	Flujo	Linea	Pres	Aspir	Regulador	Presión	Material
AN-750	750	40	30	10	0	C	14	ESTRUTURA DE ALUMINIO
AN-750-2	750	40	30	10	0	C	14	SILICONA
AN-750-3	750	40	30	10	0	C	14	ALUMINIO
AN-750-4	750	40	30	10	0	C	14	ALUMINIO
AN-750-5	750	40	30	10	0	C	14	ALUMINIO
AN-750-6	750	40	30	10	0	C	14	ALUMINIO
AN-750-7	750	40	30	10	0	C	14	ALUMINIO
AN-750-8	750	40	30	10	0	C	14	ALUMINIO
AN-750-9	750	40	30	10	0	C	14	ALUMINIO
AN-750-10	750	40	30	10	0	C	14	ALUMINIO
AN-750-11	750	40	30	10	0	C	14	ALUMINIO
AN-750-12	750	40	30	10	0	C	14	ALUMINIO
AN-750-13	750	40	30	10	0	C	14	ALUMINIO
AN-750-14	750	40	30	10	0	C	14	ALUMINIO
AN-750-15	750	40	30	10	0	C	14	ALUMINIO
AN-750-16	750	40	30	10	0	C	14	ALUMINIO
AN-750-17	750	40	30	10	0	C	14	ALUMINIO
AN-750-18	750	40	30	10	0	C	14	ALUMINIO
AN-750-19	750	40	30	10	0	C	14	ALUMINIO
AN-750-20	750	40	30	10	0	C	14	ALUMINIO
AN-750-21	750	40	30	10	0	C	14	ALUMINIO
AN-750-22	750	40	30	10	0	C	14	ALUMINIO
AN-750-23	750	40	30	10	0	C	14	ALUMINIO
AN-750-24	750	40	30	10	0	C	14	ALUMINIO
AN-750-25	750	40	30	10	0	C	14	ALUMINIO
AN-750-26	750	40	30	10	0	C	14	ALUMINIO
AN-750-27	750	40	30	10	0	C	14	ALUMINIO
AN-750-28	750	40	30	10	0	C	14	ALUMINIO
AN-750-29	750	40	30	10	0	C	14	ALUMINIO
AN-750-30	750	40	30	10	0	C	14	ALUMINIO
AN-750-31	750	40	30	10	0	C	14	ALUMINIO
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AN-750-98	750	40	30	10	0	C	14	ALUMINIO
AN-750-99	750	40	30	10	0	C	14	ALUMINIO
AN-750-100	750	40	30	10	0	C	14	ALUMINIO

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