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> [Ambach Pressure Spring GRG-70, SIE-105, SIEC-105, SIG-105 - Instruction Manual](#)

Ambach GRG-70, SIE-105, SIEC-105, SIG-105

Ambach Pressure Spring Instruction Manual

Models: GRG-70, SIE-105, SIEC-105, SIG-105

1. PRODUCT OVERVIEW

The Ambach Pressure Spring is a precision-engineered replacement component designed for use in various Ambach kitchen appliances. This spring is crucial for maintaining proper tension and functionality within the appliance's mechanical systems. It is compatible with specific models including GRG-70, SIE-105, SIEC-105, and SIG-105, and is suitable for applications in gas cookers, ceramic hobs, electric ovens, gas ovens, and hot plates.



Figure 1: An Ambach Pressure Spring. This image displays the spring's coiled structure and metallic finish, indicating its robust construction for appliance mechanisms.

2. SAFETY INSTRUCTIONS

Before attempting any installation or maintenance, please read and adhere to the following safety guidelines:

- **Disconnect Power:** Always ensure the appliance is completely disconnected from its power source (unplugged or circuit breaker off) before beginning any work.
- **Personal Protective Equipment:** Wear appropriate safety gear, such as gloves and eye protection, to prevent injury from sharp edges or unexpected spring release.
- **Handle with Care:** Springs can be under tension. Exercise caution when removing or installing to avoid

sudden release.

- **Correct Placement:** Ensure the spring is installed in its correct orientation and securely seated to prevent malfunction.
- **Professional Assistance:** If you are unsure about any step or encounter difficulties, consult a qualified technician.

3. PRODUCT COMPONENTS

The package contains one Ambach Pressure Spring. Please verify the dimensions against your appliance's requirements before installation.

- **Diameter:** 14 mm
- **Length:** 40 mm
- **Wire Thickness:** 1.15 mm

4. INSTALLATION

Follow these general steps for installing the Ambach Pressure Spring. Specific appliance disassembly and reassembly procedures may vary.

1. **Prepare Appliance:** Ensure the appliance is cool and completely disconnected from all power sources.
2. **Access Area:** Carefully disassemble the necessary parts of your appliance to gain access to the spring's location. Refer to your appliance's specific service manual if available.
3. **Remove Old Spring:** Identify the old or damaged spring. Using appropriate tools, carefully remove it, noting its exact position and orientation.
4. **Install New Spring:** Position the new Ambach Pressure Spring in the same location and orientation as the old one. Ensure it is securely seated and properly engaged with any connecting components.
5. **Reassemble:** Reassemble the appliance components in reverse order, ensuring all parts are correctly fitted and secured.
6. **Test Functionality:** Before restoring power, manually check the mechanism where the spring is installed to ensure smooth and correct movement.
7. **Restore Power:** Once confident in the installation, reconnect the appliance to its power source and test its full functionality.

5. OPERATION

The Ambach Pressure Spring operates as an internal component within your appliance. Once correctly installed, it functions automatically as part of the appliance's mechanical system. It is designed to provide consistent tension or resistance, facilitating the proper movement and positioning of other parts. No direct user interaction with the spring is required during normal appliance operation.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Ambach Pressure Spring, consider the following maintenance guidelines:

- **Regular Inspection:** Periodically inspect the spring for any visible signs of wear, corrosion, deformation, or breakage. This should be done during any routine appliance maintenance or if a malfunction is suspected.
- **Cleaning:** If accessible and necessary, gently clean the spring with a dry, soft cloth to remove any dust or debris. Avoid using harsh chemicals or abrasive materials that could damage the spring's surface.

- **Replacement:** If the spring shows any signs of damage, loss of tension, or is not functioning correctly, it should be replaced immediately with a genuine Ambach replacement part to ensure appliance safety and performance.

7. TROUBLESHOOTING

If your appliance is not functioning as expected after replacing the pressure spring, consider the following troubleshooting steps:

- **Incorrect Installation:** Double-check that the spring is installed correctly and securely in its designated position. Ensure it is not misaligned or obstructed.
- **Spring Damage:** Inspect the newly installed spring for any manufacturing defects or damage that might have occurred during installation.
- **Other Components:** Verify that other related components in the appliance mechanism are also in good working order and not causing the issue. The spring may not be the sole cause of the malfunction.
- **Professional Help:** If the problem persists after checking these points, it is recommended to consult a qualified appliance technician for diagnosis and repair.

8. SPECIFICATIONS

Feature	Detail
Brand	Ambach
Part Number (Manufacturer Reference)	4251188707663
Compatible Models	GRG-70, SIE-105, SIEC-105, SIG-105
Diameter	14 mm
Length	40 mm
Wire Thickness	1.15 mm
Applications	Gas cooker, Ceramic hob, Electric oven, Gas oven, Hot plate
Number of items in package	1

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms for this Ambach Pressure Spring is not available in the provided product data. For warranty inquiries or technical support, please refer to the documentation provided with your original appliance or contact the seller or Ambach customer service directly. Please have your product model and part number ready when seeking support.

This manual is for informational purposes only. Ambach is not responsible for any damage or injury resulting from improper installation or use.