

SILCA SI/005008

SILCA 731 Leather Washer Instruction Manual

Model: SI/005008

1. PRODUCT OVERVIEW

The SILCA 731 Leather Washer is a replacement component designed specifically for SILCA floor pump models manufactured in 2008 and earlier, featuring a 28mm diameter barrel. This leather washer is crucial for maintaining the proper air seal within the pump's piston assembly, ensuring efficient and effective inflation.



Image 1.1: Top view of the SILCA 731 Leather Washer, showing its circular shape and central opening.

2. COMPATIBILITY

This leather washer is compatible with SILCA floor pumps produced in 2008 and prior years. It is specifically designed for pump barrels with an internal diameter of 28mm. Verify your pump's model and barrel diameter before installation to ensure proper fit and function.

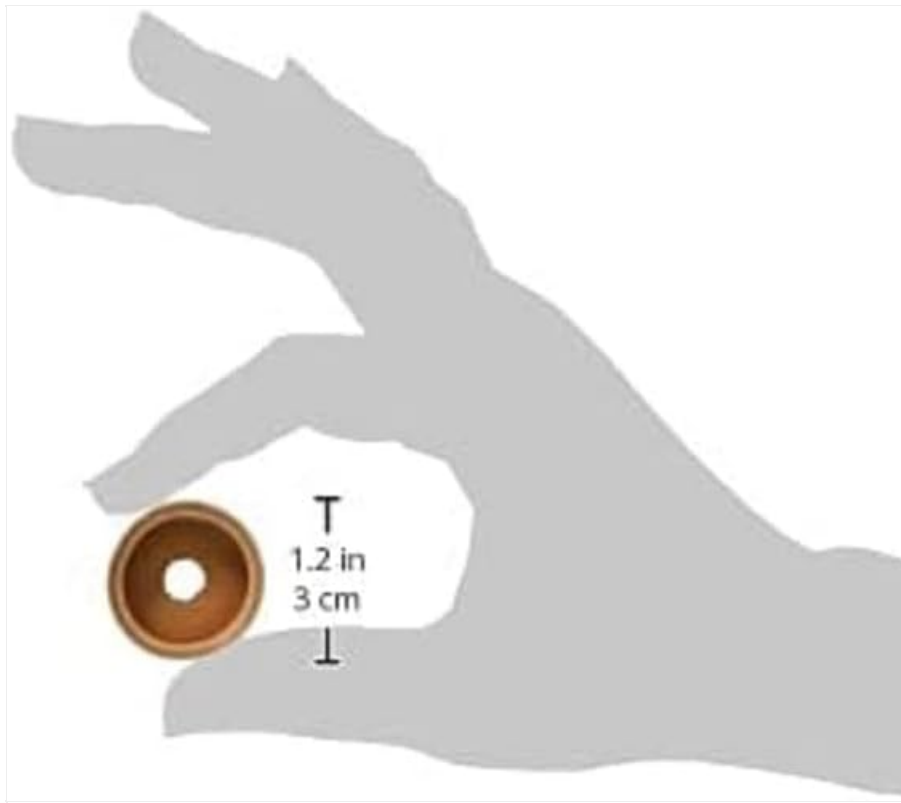


Image 2.1: The SILCA 731 Leather Washer shown with a size reference, indicating its approximate 28mm diameter.

3. INSTALLATION GUIDE

Replacing the leather washer requires careful attention to detail to ensure a proper seal and restore pump performance. Follow these steps:

1. **Disassembly:** Carefully disassemble your SILCA floor pump to access the piston assembly. Refer to your specific pump model's diagram or previous service instructions if available.
2. **Remove Old Washer:** Once the piston is accessible, remove the old or worn-out leather washer. Note its orientation for correct reassembly.
3. **Conditioning the New Washer:** Before installation, it is critical to condition the new leather washer. Submerge the washer in a suitable leather conditioning oil, such as Neatsfoot oil or SILCA's "Pump Blood" oil, for several hours or overnight. This process softens the leather, allowing it to expand slightly and create a superior seal. Ensure the washer is fully saturated.
4. **Installation:** Carefully slide the conditioned leather washer onto the piston rod, ensuring it is seated correctly and facing the proper direction (typically with the flared edge facing downwards, towards the pump barrel).
5. **Reassembly:** Reassemble the pump, ensuring all components are securely fastened. Test the pump's function by performing a few strokes to check for air pressure and seal integrity.



Image 3.1: Side view of the SILCA 731 Leather Washer, illustrating its conical shape designed for sealing.

4. OPERATION

Once the new leather washer is installed, your SILCA floor pump should operate with restored efficiency. The conditioned leather creates an airtight seal against the pump barrel, allowing for effective compression of air and inflation of tires or other inflatables. Ensure the pump head is securely attached to the valve before pumping.

5. MAINTENANCE

To prolong the life of your SILCA 731 Leather Washer and maintain optimal pump performance:

- **Periodic Conditioning:** Periodically re-apply a small amount of leather conditioning oil to the washer. This helps keep the leather supple and prevents it from drying out and cracking, which can lead to air leaks.
- **Cleanliness:** Keep the pump barrel clean and free of debris that could abrade the leather washer.
- **Storage:** Store your pump in a dry environment away from extreme temperatures to prevent material degradation.

6. TROUBLESHOOTING

If you encounter issues after installing the new leather washer, consider the following:

- **Poor Seal/No Pressure:**
 - Ensure the leather washer was adequately conditioned with oil before installation. A dry washer may not expand sufficiently to create a seal.
 - Verify the washer is correctly oriented and seated on the piston.
 - Confirm the pump barrel diameter is indeed 28mm. If the barrel is slightly larger, the 28mm washer may not seal effectively. Some users have found that a slightly larger washer (e.g., 30mm) may be required for barrels slightly over 28mm to achieve a perfect seal.
- **Difficulty Pumping:**
 - Ensure the washer is not too tight or improperly installed, causing excessive friction. Re-lubricate if necessary.

7. SPECIFICATIONS

Brand	SILCA
Model Number	SI/005008 (AM-PU-GAS-COM-731)
Material	Leather
Outside Diameter	28 Millimeters
Compatible Groove Diameter	28 Millimeters
Washer Type	Flat (Piston Head Style)
Color	Brown
Item Weight	Approximately 18.14 g (0.64 ounces)
Grade Rating	High Quality
UPC	853740005008

Note: The "Number of Pieces: 28" listed in some product specifications appears to be an error and does not reflect the actual quantity of washers in a single package. This product is typically sold as a single replacement washer.

8. WARRANTY AND SUPPORT

For specific warranty information or technical support regarding your SILCA 731 Leather Washer or SILCA floor pump, please contact SILCA directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

Visit the official SILCA website for more information:www.silca.cc

