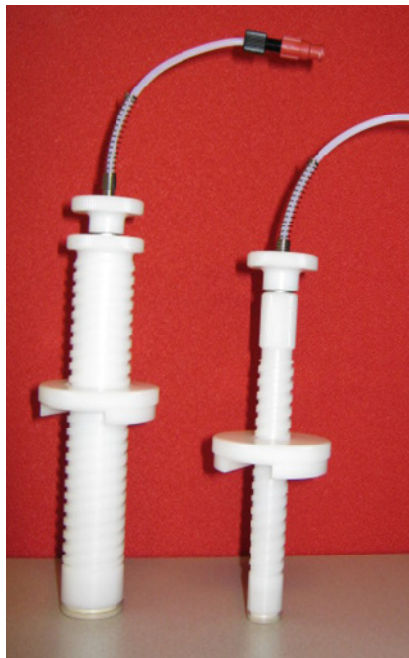


**IMPORTANT : READ BEFORE USE**

## Operating Instructions

**SiliaSep™ Plungers**



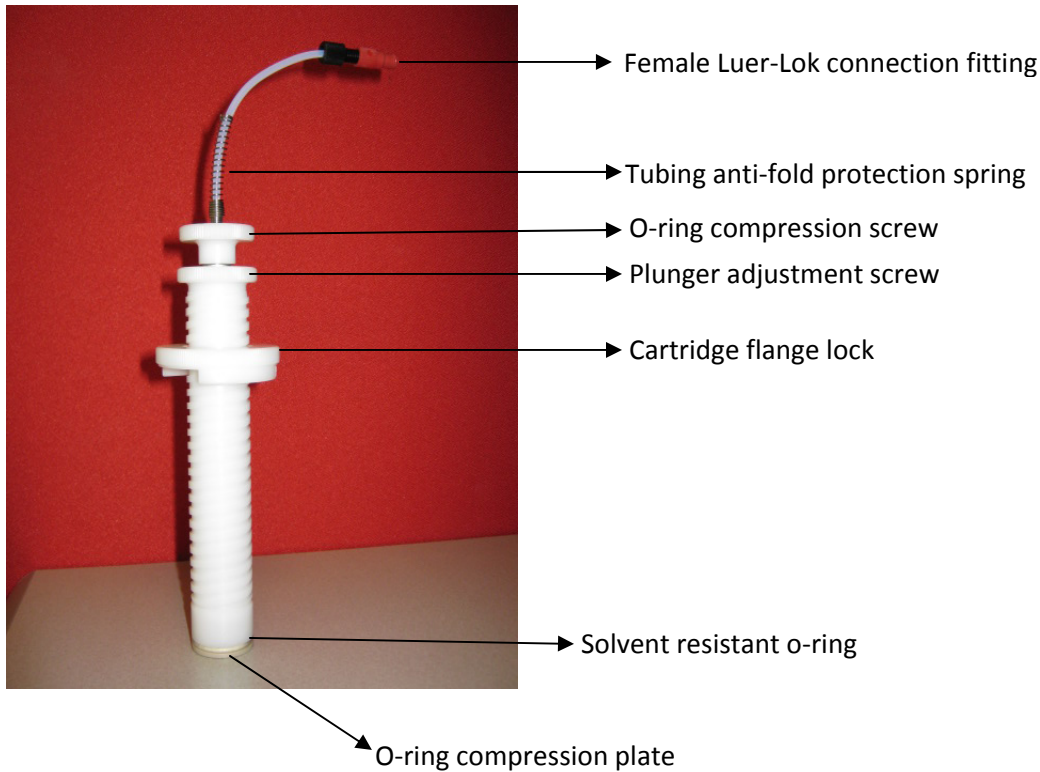
Parts number:

AUT-0060-010

AUT-0060-060



## 1. Plunger parts identification



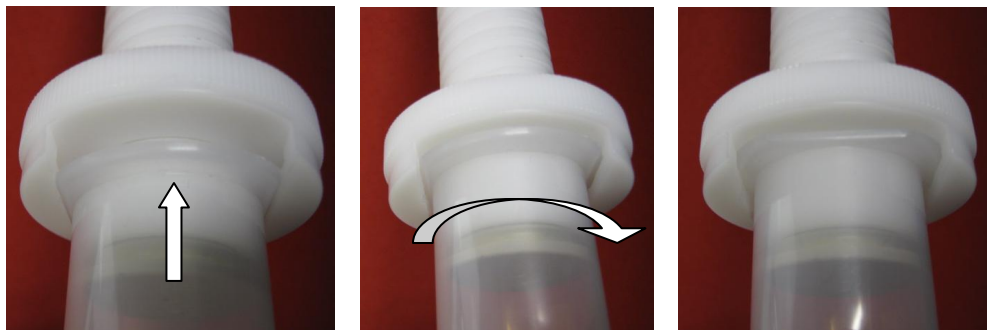
## 2. Plunger installation

### 2.1. *Locking the plunger in the cartridge*

- 1) Lower the cartridge flange lock down to the o-ring compression plate by rotation.
- 2) Unscrew slightly the o-ring compression screw to insure there is no pressure on the solvent resistant o-ring (the o-ring compression plate must stay in contact with it)

*Important: keep the o-ring compression plate in contact with the o-ring to keep the anti-rotation lock in place; in case the o-ring compression plate gets unlocked, please refer to section 3 (anti-rotation pin alignment).*

- 3) Align the cartridge's flanges in the cartridge flange lock (picture 1). Turn the cartridge by 90 degrees (picture 2) to secure the plunger into the cartridge (picture 3).



Picture 1

Picture 2

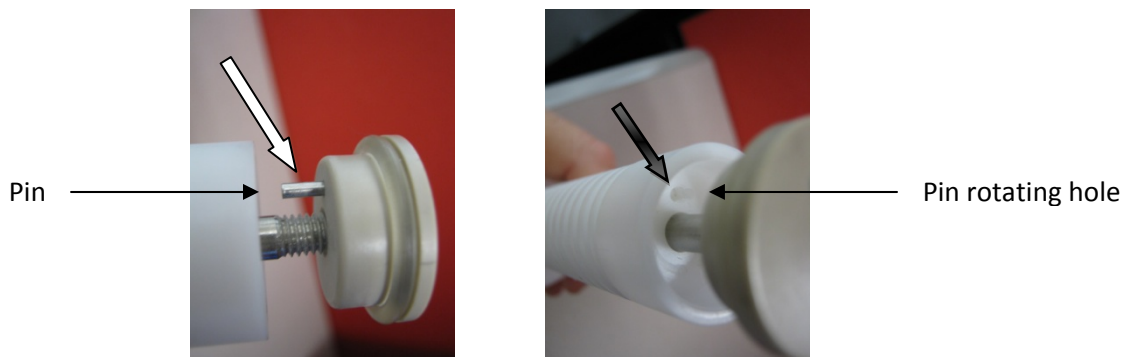
Picture 3

### **2.2. Plunger adjustment; reduction of the dead volume**

- 1) Bring the plunger head down to the frit (sor bent bed) by turning the plunger adjustment screw.
- 2) Turn the o-ring compression screw clockwise to seal the plunger (the sealing line should be visible).
- 3) Connect the plunger to the solvent line.

### **3. Anti-rotation pin alignment**

It is important for the o-ring compression plate to be locked.



Picture 4

Picture 5

***DO NOT disassemble the plunger***

In case of accidental unlocking, the following steps must be followed:

- 1) While pushing slightly the o-ring compression plate, turn it slowly until it enters the pin rotating hole.
- 2) Keep it in place and turn the o-ring compression screw clockwise until it begins compressing the o-ring.