

# Upgrades From Pre-4000 Series

The 4000 Series SIRCO Samplers have been redesigned and upgraded from previous models. Most parts and upgrades are backwards-compatible, designed to retro-fit older sampling units. These are a few of the most important upgrades and replacements.

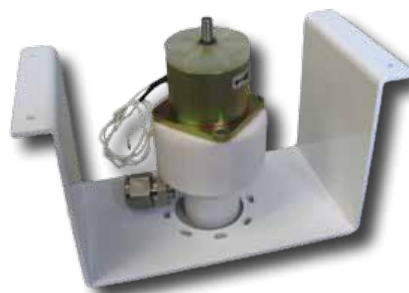


## Multi-Function Controller

Part: 30-DC-MFCB or  
30-AC-MFCB

The 4000 Series Multi-Function Controller features easy-to-use instructions, 16 key touchpad, and 2x16 character backlit LCD. Featuring a real-time clock, it is able to control sample initiation based on a number of different criteria and is programmable with a variety of different sample sequences. It also features an

internal lithium battery to maintain program settings and information in the case of power failure.



## Stepper Assembly

Part: 32-05-01  
(stepper motor);  
32-04-01 (teflon distributor)

The stepper assembly unit is the arm which distributes samples used in discrete sampling. Recent

changes and upgrades have helped prevent leaks, decrease on wear, and increase the life and performance of the unit. (Picture shown also includes stepper bracket.)



## Power Pack Upgrade Kit

Part: 15-06-78

The 4000 series power supply has gone through rigorous testing and improvements, particularly in regards to the cooling system. Whereas the previous system of cooling was convection, now the system includes both convection and forced air (fan), of particular

importance in some sampling situations with high levels of waste heat. Also the body has been upgraded from plastic to metal, increasing reliability.



## Teflon Metering Chamber Cover

Part: 50-21-06

In toxic or MISA-type sampling environments where a teflon cover is needed rather than the standard nylon, warping can occur, which will lead to leaks. This new cover for the metering chamber has a

powder-coated aluminum reinforcing ring and stainless steel fittings, preventing warping and providing an even pressure.



## Pinch Valve Assembly

Part: 50-02-13 (normally open)

Pinch valves are integral to controlling the sampling flow, releasing the sample from the metering chamber to the specified bottle(s) below. The solenoid plunger has been given an extra coating, to increase durability.



## Metering Chamber

**Acrylic:** Standard

**Glass (pyrex):** for MISA-type applications and reduced contamination of the sample

Part: 24-01-01 Acrylic, 3/8", taper style, 500cc

Part: 24-01-02 Acrylic, 5/8", tube style, 500cc

Part: 24-01-03 Acrylic, tube style, 1000cc

Part: 24-01-08 Pyrex, 3/8", 500cc

Part: 24-01-09 Pyrex, 3/8", 1000cc

Part: 24-01-10 Pyrex, 5/8", 500cc

Part: 24-01-11 Pyrex, 5/8", 1000cc