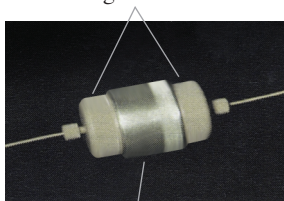


# Operating Instructions

## Advantage™ Prep Guard Cartridge

Advantage™ Prep Guard Cartridges have been designed to be used with a cartridge holder like the one pictured below. These high performance cartridges are manufactured with the same technology that makes our analytical HPLC columns and cartridges famous for their efficiency and long life. Another unique feature of Advantage Prep cartridges is the 0.5µm inlet and outlet frit. Inline filtration is built right into the cartridge.

Cartridge Holder Ends



Cartridge in Holder

### Materials:

Advantage Prep Guard Cartridges are made of stainless steel that has been passivated after machining. The stainless steel frits have a 0.5µm porosity. The acetal plastic end caps have ethylenepropylene seals.

### Solvents:

Cartridges contain 20% methanol in water.

### Cartridge Installation:

Remove the protective end caps of the cartridge. (Note: The vent screw on one protective cap must be loosened before placing the caps back on the cartridge for storage.)



Cartridge

Unscrew one of the cartridge holder ends from the metal body. With a twisting motion, press a new cartridge into the holder end that was just removed.

Wetting the end of the cartridge with water or mobile phase will reduce the seal wear and make cartridge insertion easier. Moisten the free end of the cartridge and reassemble the holder. Tighten the holder ends by hand until they are snug. **Do not use a wrench or pliers.** The black cartridge end pieces are interchangeable. The knurled end of the aluminum body facilitates opening and closing the holder and can be used as a flow direction reference after a cartridge is placed in the holder.

### Cartridge Removal:

Unscrew the plastic bushing from the holder, then unscrew the holder's end piece. If the cartridge remains in the end piece that is still attached to the metal body, unscrew the metal body and pull the cartridge from the assembly.



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