

900 Series Piston Comparison

Pistons ensure that the pressure is evenly spread across the fluid surface to provide consistent dispensing. Wiper seal pistons prevent dripping and eliminate material waste by wiping the syringe barrel wall clean, as fluid is dispensed. Dispensing without a piston inserted can result in unreliable dispensing deposits, as the supplied air pressure can become trapped inside the fluid, resulting in void pockets. In addition, moisture found in the air can affect the properties of the fluid. Metcal is pleased to demonstrate the advantages of each piston type:



The tighter fit wiper pistons are recommended for use with low viscosity fluids and mechanical devices, such as a manual syringe gun, to prevent leakage past the double wiping edges

Typical Applications: Solvent, Alcohol, Inks, Activators, any fluid used on the 910/930/955-MSG manual rod/gun including UV fluids...



Low friction pistons are recommended for most general applications. They prevent air entrapment and eliminate material waste by wiping the syringe barrel wall clean.

Typical Applications: Solder paste, flux, Silver paste, Anaerobic, epoxy, SMA, silicone, UV...



Straight wall pistons are recommended for reduced stringing and "bouncing" when dispensing high viscosity fluids.

Typical Applications: Grease, Viscous Sealant, SMA, RTV Silicone...

WHITE	Pack of	Size 3 cc	Size 5 cc	Size 10 cc	Size 30/55 cc
Tight Fit Piston	50	903-WW	905-WW	910-WW	93055-WW
BLUE	Pack of	Size 3 cc	Size 5 cc	Size 10 cc	Size 30/55 cc
Easy Flow	50	903-EFB	905-EFB	910-EFB	93055-WW
RED	Pack of	Size 3 cc	Size 5 cc	Size 10 cc	Size 30/55 cc
Straight Wall	50	903-SWR	905-SWR	910-SWR	93055-WW