

Recommended Dispensable TIM Vessel Options for 30cc Syringes

When designing in a high viscosity dispensable thermal interface material (TIM), such as THERM-A-GAP GEL material or thermal compound, it is important to select a compatible cartridge for the application. For low volume applications, or when evaluating these materials, it is common to use a 30cc syringe.

Parker Chomerics offers two types of 30cc syringes; luer lock and tapered tip. Both options are small and portable, require no capital, and allow for immediate dispensing either manually or pneumatically.

So, which cartridge is right for your application?

Luer Lock Syringe

- Lower flow rate through smaller orifice (ID 0.100")
- Provides more precision for smaller shot size or thin beads, especially when using a standard threaded dispense tip
(Note: The largest orifice ID should be used to ensure higher throughput and minimize shear on GEL or thermal compound)

Recommended dispensing tip ID sizes: 0.060", 0.047", 0.033", and 0.025"

Dispense tip vendors include Nordson EFD, Techon, Jenson Global, and others

Parker Chomerics part number: 65-02-YYYYY*-0030

*YYYYY is the material code, ex) TC50, GEL30



Tapered Tip Syringe

- Higher flow rate through larger orifice (ID 0.130")
- Offers faster dispensing of the high viscosity compounds
- Ability to dispense large shot sizes and beads

Parker Chomerics part number: 65-00-YYYYY*-0030

*YYYYY is the material code, ex) TC50, GEL30



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