Most industrial dispensing systems rely on the Luer to fit dispensing needles, dispensing tips, and other small fittings together. The Luer taper is a standardised (ISO 594) system for making leak-free connections between a male-taper fitting and its mating female part in the laboratory, industrial and medical world. Luer Slip fittings are simply held together by a friction fit; this is usually not recommended for industrial dispensing because it is not secure under pressure. Luer Lock fittings are more securely held because the hub of the female fitting (i.e. dispensing needle) has tabs or threads which screw into threads in a sleeve on the male part (dispensing barrel, dispensing syringe or dispensing valve).

All of our dispensing components rely on standard Luer Lock fittings, both for interchangeability and standardisation, and dispensing integrity and quality. Luer Slip and Luer Lock components are reasonably interchangeable. Some of our dispensing tips have more complex threads to keep them in place even when dispensing slippery customers like silicone oils.
What’s a Luer Lock?

Dispensing Needle with Luer Lock threads

We have further Top Dispensing Tips for you!

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