Cole-Parmer® Luer Union

Cleanroom Fittings

Cole-Parmer®

Quickly and easily transition from one luer connection to another. Luer fittings are a standardized system comprised of a male taper and a female mating part that provides a leak-free connection.

Cleanroom packed fittings are manufactured, double bagged, and sealed in an ISO Class 7 cleanroom to ensure that the integrity is not compromised. An ISO Class 7 cleanroom utilizes HEPA filtration systems to maintain air cleanliness levels of less than 10,000 particles of 0.5 µm or larger per cubic foot.

APPLICATIONS

- Chromatography, microfluidics, and syringe pumping processes
- General-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Quick and easy assembly without tools
- Manufactured in an ISO Class 7 cleanroom to minimize contamination by pollutants
- PVC-Free

CERTIFICATION

Cole-Parmer will provide a certificate of compliance FREE at your request where applicable.

WARNING: This product is not approved or intended for, and should not be used for, medical, clinical, surgical, or other patient-oriented applications.

USA	+1.800.323.4340	UK	+44 (0) 1480.272279
	+1.847.549.7600		+33 (0) 1.87.170142*
Canada	+1.800.363.5900		+49 (0) 937.792030*
China	86.21.5109.9909	Italy	+39.02.84349215
India	+1.800.266.1244	All others	+1.847.549.7600

Cole-Parmer®

coleparmer.com

*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Materials

PVDF (Kynar®)

- Excellent chemical resistance
- Temperature range: -35 to 135 °C (-31 to 275 °F)
- Sterilize by ethylene oxide (EtO) or autoclave

Its trade name, Kynar, often refers to PVDF (polyvinylidene fluoride). PVDF is a high-purity engineering thermoplastic with excellent chemical resistance, abrasion resistance, flame resistance, and UV stability. PVDF is used for chemical tank liners and semiconductor components.

Polypropylene (PP)

- Very good chemical resistance
- Temperature range: -23 to 66 °C (-9 to 150 °F)
- Sterilize by ethylene oxide (EtO) or gamma irradiation

Polypropylene is resistant to weak inorganic acids, organic acids, alcohols, ammonia, and oxidizing salts and has limited resistance to aliphatic hydrocarbons, esters, ketones, and ethers.

Nylon

- Good chemical resistance
- Temperature range: -46 to 121 °C (-50 to 250 °F)
- Sterilize by ethylene oxide (EtO)

Nylon is resistant to aliphatic and aromatic hydrocarbons, alkalis, greases, fuels, lubricants, and ketones. White nylon fittings are made from the same resin as natural nylon, but with FDA-compliant white coloring. They offer good tensile strength, stiffness, and impact resistance.

CrystalVu™

- Good chemical resistance
- Max temperature: 180 °C (356 °F)
- Sterilize by ethylene oxide (EtO), gamma irradiation, or autoclave

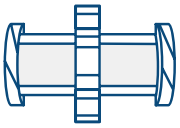
An alternative to polycarbonate that is free from Bisphenol-A (BPA). This alternative is boasts improved features compared to polycarbonate, such as superior chemical resistance and resilience against deformation after multiple sterilization cycles.

Fittings

For additional options and complete offering, visit coleparmer.com.

90° Elbow

Straight



Luer Fitting

Cole-Parmer®

Specification and Ordering Table

Flow Pattern	Luer Connection Port 1	Luer Connection Port 2	Material	Color	Item Number	Pack Size
Straight	Female Luer	Female Luer	CrystalVu	Clear	50114-21	10
			Nylon	White	50114-22	10
			PVDF	Natural	50114-23	10
			Nylon	Natural	50114-24	10
			Polypropylene	Translucent	50114-25	10
Elbow	Female Luer	Male Luer Slip	CrystalVu	Clear	50115-43	10
			Nylon	White	50115-44	10
			PVDF	Natural	50115-45	10
			Nylon	Natural	50115-46	10
			Polypropylene	Translucent	50115-47	10