

A **PC pneumatic fitting** is a straight, male-threaded, push-to-connect (one-touch) connector used to bridge flexible air tubing directly to a female threaded port. The designation "**PC**" specifically denotes a **Male Straight Thread Connector**.

Material Types

- **Thermoplastic Body with Brass Threads:** The most common, cost-effective option for standard industrial automation.
- **Full Nickel-Plated Brass:** Offers higher pressure capabilities and better temperature thresholds.
- **Stainless Steel (SUS316):** Essential for washdown, chemical, or corrosive environments.

How to Install and Remove Tubes

1. **Cut the tube flat:** Use a specialized tube cutter to make a clean, 90-degree square cut.
2. **Push to connect:** Push the tube firmly into the blue or black release ring end until it bottoms out securely.
3. **Pull to test:** Give the tube a slight tug to confirm the internal metal lock claws have gripped it.