

The **PC-0806** (commonly written as **PC 8-06** or **PC 08-06**) is a standard, **straight male one-touch pneumatic fitting**. It is designed to connect an **8mm Outer Diameter (OD) pneumatic tube** directly to a **3/8" threaded port** (or a **1/8" thread** depending on regional metric/imperial manufacturer standards). [[1](#), [2](#), [3](#), [4](#), [5](#)]

Part Number Breakdown

- **PC**: Represents a **Male Straight Connector** configuration.
 - **08**: Designates the connection size for an **8mm tube OD**.
 - **06**: Represents the thread size (traditionally **3/8" NPT/BSP** in standard configurations, or **R1/8" / M6** variants based on the specific factory naming system). [[1](#), [2](#), [3](#), [4](#), [5](#), [6](#)]
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Technical Specifications

- **Fitting Type**: Straight Adapter (Tube to Male Thread).
- **Connection Mechanism**: Push-to-connect / One-touch toolless entry.
- **Working Pressure**: **0 to 150 PSI** (0 to 9.9 kgf/cm² / 1 MPa maximum).
- **Negative Pressure**: Up to **-29.5 in Hg** (-750 mmHg) for vacuum applications.
- **Temperature Range**: **32°F to 140°F** (0°C to 60°C).
- **Compatible Fluid**: Compressed Air / Vacuum.
- **Applicable Tubing**: Polyurethane (PU), Nylon, FEP, and PFA hoses. [[1](#), [2](#), [3](#), [4](#), [5](#)]