

Principle and Advantages of Our Connection Systems

A very large number of technical solutions exist for connecting two pipes together. Leader in industrial connection systems, Parker Legris offers a very wide range of technologies and materials to cover all requirements.

Push-In Fittings

Tube retention with gripping ring



Tube retention with collet



Tube retention with reversed collet



Principle

Connected and sealed simply by pushing the tube into the fitting.
Disconnected by pushing on the release button.

Tube retention with gripping ring:

- No damage to the tube
- Ideal for polymer tubes
- Particularly compact

Tube retention with collet:

- Robust solution for harsh environments
- Resistant to high pressure, excellent lifespan
- Ideal for grooved metal tubes

Tube retention with reversed collet:

- Protected disconnection
- Can withstand very high pressures
- Double sealing

Advantages

Allows flexible and modular systems to be produced quickly.
Provides a compact and lightweight connection solution.
Facilitates installation due to a swivelling body.
Reliability of the connection ensured through the one-piece design.
Suitable for use with a wide range of tubes.
Prolongs the lifespan of your systems.

Compression Fittings



Principle

Connection and sealing achieved by crimping a metal olive onto a tube.
The seals are metal to metal.

Advantages

Can withstand very high pressures and temperatures.
Allows all types of tube to be connected, both polymer and metal.
Increases the lifetime of the fitting.

Spigot Compression Fittings



Principle

Connection and sealing by the distortion and gripping of a plastic tube.

Advantages

Intended for the connection of very flexible or non-calibrated tubes.

Couplers



Principle

A probe with an international profile connects the circuit to the coupler. Certain couplers have a safety device which enables the circuit to be vented before releasing the probe.

Advantages

Suitable for frequent connection and disconnection.