

A **brass gas assembly coupling** is a heavy-duty, leak-proof metal fitting used to securely connect pipes, hoses, regulators, and burners within gas distribution networks. Commonly utilized in commercial kitchens, industrial machinery, and domestic LPG/CNG setups, brass is the preferred material because it is highly durable, spark-resistant, and manages high pressure safely. [

Key Specifications & Applications

- **Common Uses:** Connecting multi-burner manifold pipelines, commercial kitchen gas stoves, industrial gas lines, and high-pressure cylinder assemblies. [[1](#), [2](#), [3](#), [4](#), [5](#)]
- **Connection Types:** Available as standard male/female threaded connectors (BSP/NPT) or quick-release couplers (QRC) for fast, tool-free disconnects. [[1](#), [2](#), [3](#), [4](#), [5](#)]
- **Performance:** Most industrial-grade brass couplings handle standard working pressures up to 10–20 Bar, while specialised hydraulic/gas fittings can go much