

Argon regulator

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Types of Argon Regulators

- **Flowmeter Regulators (Most Popular):** Features a vertical tube with a floating ball. It measures actual gas volume flow rate—typically calibrated in Cubic Feet per Hour (CFH) or Litres per Minute (LPM)—making it ideal for precise TIG/MIG welding adjustments. [[1](#), [2](#), [3](#), [4](#), [5](#)]
- **Dual-Gauge Regulators:** Uses two dial gauges. One gauge shows the remaining cylinder pressure (usually up to 4000+ PSI / 300 Bar), while the second dial shows the delivery output pressure.
- **Dual-Output Flowmeters:** Features a single cylinder connection that branches into two independent flow tubes. This allows you to run two welding machines or set up a secondary backing shield (purge gas) from one tank.

Core Technical Specifications

When selecting a regulator, keep these standard connection and construction standards in mind:

- **Inlet Connection:** Most standard argon tanks in North America and general international distribution use a **CGA-580** male threaded fitting.
- **Outlet Fitting:** Typically equipped with a **5/8" x 18 RH** female or male connector, or a 1/4" barbed hose adapter.
- **Body Material:** Forged brass or stainless steel bodies are standard to handle high inlet cylinder pressures up to 3,000–4,500 PS