



MIC FR-300 Barrel Filling Equipment



Mic Machinery proudly introduces the Mic Barrel Filling Equipment, designed to enhance efficiency and accuracy in industrial filling operations. Our team focuses on delivering reliable solutions, ensuring that every barrel filling machine meets the highest quality standards. Compact, robust, and easy to operate, this equipment is suitable for a variety of liquids, from food products to industrial chemicals.

Key Features of the Barrel Filling System

The barrel filling system combines advanced engineering with user-friendly design, offering precise volume control and minimal downtime.

Key advantages include:

- High Accuracy Filling: Ensures consistent results and reduces product waste.
- Durable Construction: Industrial-grade materials provide long-term reliability.
- Intuitive Operation: Simple interface allows operators to manage tasks efficiently.

Efficiency and Maintenance Benefits

Engineered for versatility, the barrel filling equipment supports multiple production needs. Automated sensors and programmable functions ensure consistent filling speeds, while easy-access components simplify maintenance. These features demonstrate Mic Machinery's commitment to practical, high-performance solutions that increase overall productivity.

Flexible Configurations for Diverse Operations

Our barrel filling machine is available in various configurations to suit different operational scales:

- 1) Single and Multi-Head Systems: Suitable for small to large batch productions.
- 2) Manual, Semi-Automatic, and Fully Automatic Options: Tailored for varying levels of automation.
- 3) Custom Features: Includes anti-drip nozzles, level detection, and safety interlocks for seamless integration.

Safety and Compliance Standards

Safety and compliance are integral to the barrel filling system. All equipment meets international safety and sanitary standards, protecting both operators and products. Ergonomic designs and automated safety measures minimize risk while maintaining smooth workflow, reflecting Mic Machinery's focus on professional, secure production solutions.

Parameter

Name	Specifications
Rated Capacity	300 barrels/hour (Pneumatic type, 5 gallons / 18.9L)
Equipment Model	FR-300
Filling Heads	2
Capping Heads	1
Filling Medium	Purified water, mineral water, spring water, etc.
Filling Accuracy	±1%
Applicable Barrel Type	5-gallon barrel (Φ270×490×Φ56)
Maximum Filling Volume	5 gallons / 18.9L
Barrel Cap	5-gallon smart cap (Φ56×39+17×8)
Rinsing Water	1 ton/hour
Filling Water	6 tons/hour
Air Pressure	0.6–0.8 MPa
Air Consumption	0.4 L/min
Rinsing Pumps	4 units
Filling Pump	1 unit
Equipment Power	5 KW