

Argon Filling Systems, Inc. (AFS) delivers state-of-the-art performance, reliability, and advanced features to enhance the gas filling process. Streamlined design and innovative program, increase efficiency while decreasing operating expense and maintenance.

With filling speeds of up to 75 lpm, and flexible probe configurations, AFS machines deliver a cost-effective solution in your manufacturing process.

Cutting Edge Gas Filling Systems

Performance

Reliable Gas Sensor

- Accurate and consistent gas fill levels
- Dual gas sensor technology
- User defined setpoints

Simple Operation

- One-button start
- Automatic stop at desired fill percentage
- Visual indication of filling progress

Flexible Design

- High speeds – up to 75 lpm fill rate
- Large touchscreen PLC
- On-screen instructions
- Auto calibration for quick, stable maintenance
- Calibration reminder ensures your filling is always accurate
- One- or two-hole filling
- Compact system and available movable cart

Safety

Balanced Flow

- Reduces the potential of glass breakage, preventing expensive and time-consuming remakes
- Increase safety by maintain consistent pressure inside IGU
- Up to 14 parameters to monitor safe and accurate operation
- Line automatically turns off and provides details of potential issues

Independent Lines

- Monitors and operates fully independent lines for improved performance and increased reliability
- Provides consistent flow rates over vacuum pump systems

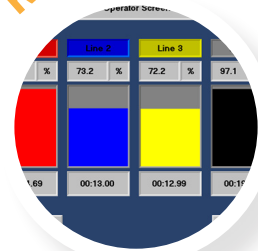
PERFORMANCE



SAFETY



RELIABILITY



Performance. Safety. Reliability.

ULTIMATE QUALITY AND PERFORMANCE. AFS Machines are designed with line-dedicated vacuum generators, so each line operates independently and efficiently to achieve maximum output and productivity. Even if one line is down for maintenance, the other lines continue operating at full-capacity, minimizing the gas-filling bottleneck that is common in the manufacturing process.

IMPROVED SAFETY. An improved simple operator screen allows for quick training and error-free operation. Multiple sensors in each line ensure an accurate fill and a balanced process, reducing any chance of glass breakage. Maintenance and calibration can be performed quickly on-site, greatly reducing maintenance and downtime. This results in years of uninterrupted services.

YEAR-AFTER-YEAR ACCURACY AND RELIABILITY. Partnering with quality and plant managers, maintenance personnel, and operators, AFS designed the most user-friendly machine on the market. With a one-button start mechanism, dynamic visual fill indicator, and user-adjustable set points, each line may be independently stopped/restarted by either the user or automatic shut-down features.

Features	Ultra-High Speed Series	High Speed Series	E-Series
Fill Rate (LPM)¹	1-75	1-50	1-50
One-Hole Filling	✓	✓	✓
Two-Hole Filling	✓	✓	✓
Krypton Compatible	✓	✓	✓
Gas Sensor	✓	✓	✓
Dual Gas Sensing*	✓	✓	
On-Site Calibration	✓	✓	✓
Auto Calibration*	✓	✓	✓
Calibration Reminder*	✓	✓	✓
Leak Detection*	✓	✓	✓
Negative Flow Detection*	✓	✓	
In-Line Vacuum Filter*	✓	✓	✓
Enhanced Safety Features			
Flow Balancing*	✓	✓	✓
Plug Detection*	✓	✓	
Loss of Argon/Vacuum Pressure	✓	✓	✓
Available Options			
Probe Push Buttons	✓	✓	✓
Ethernet/Email Option	✓	✓	✓
Daily Statistical Data Archiving	✓	✓	
Barcode Scanning & Data Archiving	✓	✓	✓
Movable Cart	✓	✓	✓
System Requirements			
Power	110-250 VAC 50/60 Hz	110-250 VAC 50/60 Hz	110-250 VAC 50/60 Hz
Plant Air Pressure	100 PSI	100 PSI	100 PSI
Argon Supply	10 PSI	10 PSI	10 PSI



¹Fill rate depends on probe type and size

*AFS exclusive features

Made in the United States of America

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