



AccuFill A/C Fill

Serv-I-Quip's A/C Fill Systems feature a simple, proven design that delivers an accurate, repeatable, and dependable fill process. This fill process can include a nitrogen/helium pressure test, a quality vacuum test, and a high speed refrigerant fill. A maintenance free mass flow meter, dependable but easily maintained tooling, and Allen Bradley controls deliver the industrial quality required by our customers. These systems are currently used on high speed car lines with cycle times under one minute, truck lines with cycle times between 5 and 10 minutes, to lines running large construction vehicles at three a day. This modular fill process can be easily configured as overhead track mounted with VFD motors, stop station, or even mobile systems.

Our standard AccuFill A/C Fill System is equipped with an Allen Bradley PLC and a PanelView operator interface that displays process cycle, operating status, configuration, calibration, and troubleshooting. Other PLC manufacturers and touchscreens are also available.

This system is also available as an ETL Certified, Class 1, Division 2, Group D system to meet the needs of vehicle manufacturers filling HFO-1234YF.

- Proven industrial design and components
- High speed quality test and fill process
- Available as Class 1, Div. 2, Group D Certified for HFO-1234YF



Overhead rail mounted AccuFill A/C Fill System with VFD motors



Offline AccuFill A/C Fill System

Product Detail

STANDARD FEATURES:

- Automatic process set-up, initiation, cycle completion, and return to standby
- Manual and auto connect / disconnect tooling options
- Accurate and dependable, high speed mass flow metering technology
- ± 2 grams charging accuracy
- Charging rates up to 5 oz./sec.
- 8, 16, or 25 cfm two stage vacuum pump
- Allen Bradley PLC with Allen Bradley Panelview® Touchscreen Operator Interface
- NFPA 70E Arc Flash compliant
- Electric or high flow pneumatic tooling
- Installation, Operation, Maintenance, and Troubleshooting Manual
- Spare Parts List
- PLC and HMI machine code with comments
- Electrical and mechanical drawings in AutoCAD
- One Year Warranty

OPTIONS AVAILABLE:

- Oil Fill
- Nitrogen Pressure Decay Test
- Helium Leak Test
- Allen Bradley, Mitsubishi, Toyopuc PLC Controls
- NFPA 70E compliant
- Optional Touchscreen HMI (Mitsubishi, GOT, Panelview)
- ETL Certified, Class 1, Division 2 Systems for HFO filling

CONFIGURATION AVAILABLE:

- Stop station
- Mobile station
- Base station with track mounted, vehicle towed tool console
- Base station with motorized, VFD, line synchronized, track mounted tool console

PROCESS CYCLE OPTIONS:

- **Nitrogen Pressure Test**
Initial pressure test and pressure decay test used to find large leak failures
- **Helium sniff leak test**
Precise pressure sniff test for critical or persistent leak points
- **High and low side evacuation and charge**
Efficient, quality evacuation ideal for larger volume systems
- **Refrigerant, oil and additive fill**
Address multi oil, specialty oil, or additive filling of A/C systems

OPTIONS AVAILABLE:

- Simple track mounted tool balancer
- Swinging boom and tool balancer
- Automatic, air actuated drop and retract balancers
- Multi-axis, automatic tool positioning
- Multi tool, automatic tool positioning

Serv-I-Quip, Inc.