

THOMPSON DUKE INDUSTRIAL

ACF1P AUTOMATIC PAX® FILLING MACHINE

The official PAX Certified, American-made, patented, cETLus Certified, GMP ready ACF1P Automatic Filling Machine is designed to fill PAX ERA Pods and virtually any oil vaporizer device available on the market.

Versatile

Automatically fill PAX ERA Pods and nearly every other type of cartridge and POD as well as capsules, syringes and jars. Refill the glass 140ml heated oil reservoir during operation. Adjust the dispense volume precisely up to 1.1 ml. Quickly configure various tray arrays for new vape devices introduced into the market. Two custom PAX Pod trays are included with a Pod eject plate.

Dispense High and Low Viscosity Oils

Actuated PAX Pod guide and guard mechanism with integrated safety permissive precisely aligns Pods, while safely keeping the sharp needle secure. Patented heated oil dispense system regulates oil viscosity. Fill high viscosity oils with extreme accuracy, precision and repeatability, and fine tune dispense speed and force for lower viscosity oils.

Rapid Oil Formula Changes and System Cleaning

Replace the food safe, laboratory grade, dispense system components in less than one minute to switch oil formulas. Rapidly clean the dispense components with less than one gram loss. Two full dispense component sets are included.

Fill Other Vaporizer Devices

Quickly remove the guide and guard mechanism to fill cartridges and other Pods. Select the new device from the control system tray configuration.

Touch Screen Controls

Control the filling operation using the simple and intuitive seven inch color touch screen. Adjust temperature and fill speed on the fly. Monitor operating parameters including cartridge tray fill status, real time diagnostics and alarms with complete alarm history.

Convert Existing ACF1 Machines

A retrofit kit is available to upgrade existing ACF1 Automatic Filling Machines to the ACF1P revision. The modifications and software upgrade can be performed at the customer's site or in the Thompson Duke Industrial manufacturing facility.

Patented and Certified

Patented and cETLus Certified for the United States of America and Canada (UL 61010-1, UL 61010-2, UL508, CSA C22.2, IEC 61010-1). Adheres to the rigorous Good Manufacturing Practice guidelines required for legal compliance.

American-Made

Designed, manufactured, distributed and patented in the United States of America. Industrial control system is made with compliant materials and dispense components. Stainless steel check valves custom designed and manufactured specifically for oil filling applications. Exceptional customer support for the lifetime of the machine.

Portable

Lightweight and portable benchtop design for quick and easy setup, operation, and cleaning. Requires 120V AC power and 40psi compressed air.

Optional Data Acquisition System

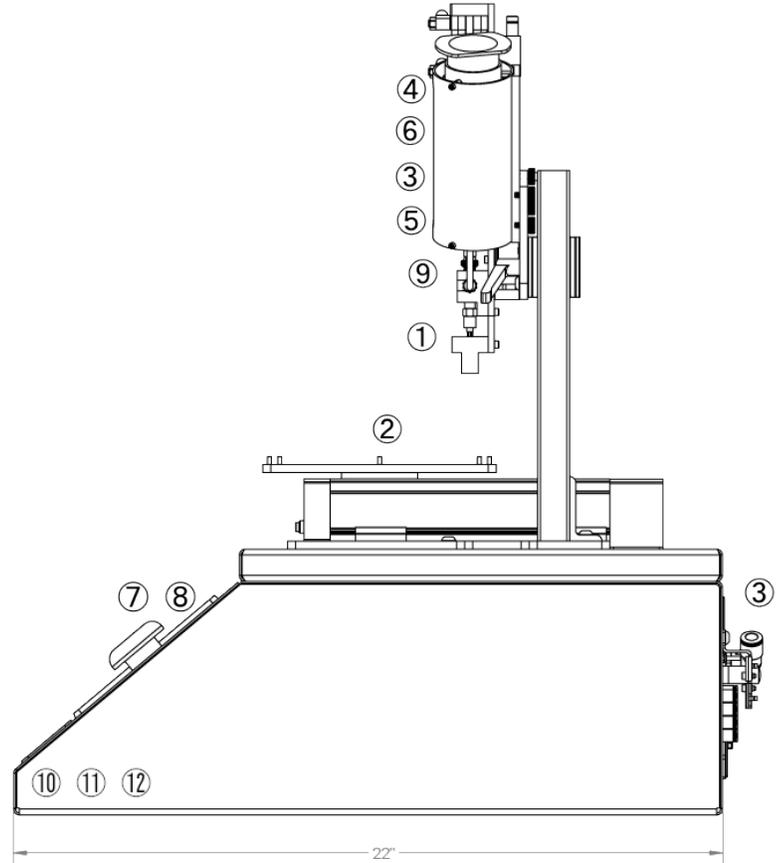
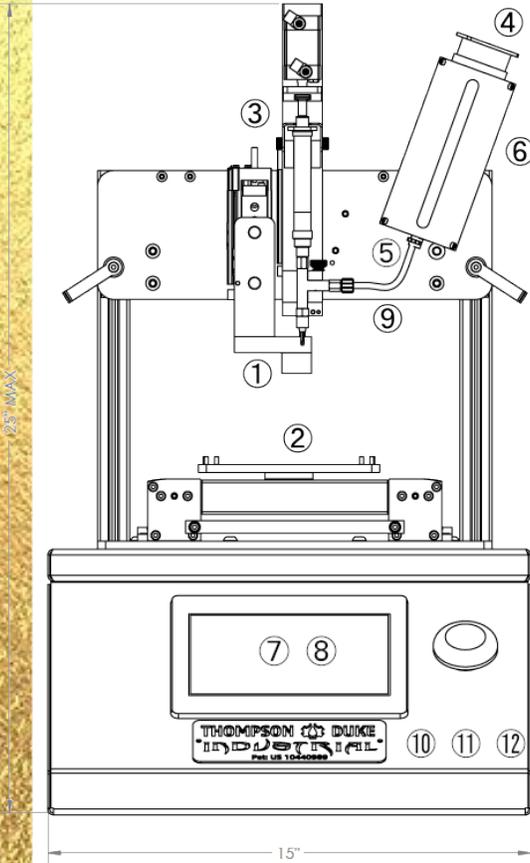
The optional ACF-DA System data historian and reporting solution permanently stores a record for all system process variables for every cartridge or POD filled. The ACF-DA connects to multiple ACF1 machines.



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- ① Automatically fill PAX ERA Pods and nearly every other type of cartridge and POD as well as capsules, syringes and jars.
- ② Cartridge trays available for filling different device form factors including cartridges, pods, jars, syringes, and capsules
- ③ The oil dispense system can be precisely adjusted to fill any volume up to 1.1mL
- ④ Fill high viscosity oils and distillates with extreme accuracy, precision and repeatability
- ⑤ Less than 1mL product loss during product changeover
- ⑥ The 140ml glass, heated oil reservoir can be filled during operation
- ⑦ Seven inch color touch screen for easy operation and total control of your filling process
- ⑧ System displays for cartridge tray, fill status and real time diagnostic alarms
- ⑨ Laboratory grade, food safe, replaceable components make switching between products quick and simple
- ⑩ Integrated pressure regulator
- ⑪ Portable benchtop design with adjustable height
- ⑫ Aluminum construction and stainless steel enclosure

Height	25" MAX
Width	15"
Depth	22"
Weight	65 LBS
Ambient Temperature	0-45 C (32-113 F)
Glass Reservoir Capacity	140mL
Temperature Range of Reservoir	0-93 C (0 - 200 F)
Working Voltage	120VAC 60Hz Single Phase
Power Consumption	400W
Working Min Pneumatic Pressure	40 PSI*
Working MaxPneumatic Pressure	210 PSI*
Pneumatic Fitting Connection	Industrial ¼" Male
Number of PAX Pods Per Tray	65
Max Cartridge Height	5.25"
Max Cartridge Diameter	N/A
Product Loss	<1g

*Air compressor sold separately; use ANSI/ISA-7.0.01-1996 Quality Standard for Instrument Air.

