

THOMPSON DUKE INDUSTRIAL

MCF1 SEMI-AUTOMATIC VAPORIZER FILLING MACHINE

The American-made, patented, cETLus Certified, and GMP ready MCF1 Semi-Automatic Filling Machine is foot pedal operated and designed to fill any oil vaporizer device available on the market.

Versatile

Fill every 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. Custom adapters available for septum pierced devices.

Dispense High and Low Viscosity Oils

Automatic digital temperature control with patented heated oil dispense system regulates oil viscosity. Fill high viscosity oils with extreme accuracy, precision and repeatability. 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.

Patented and Certified

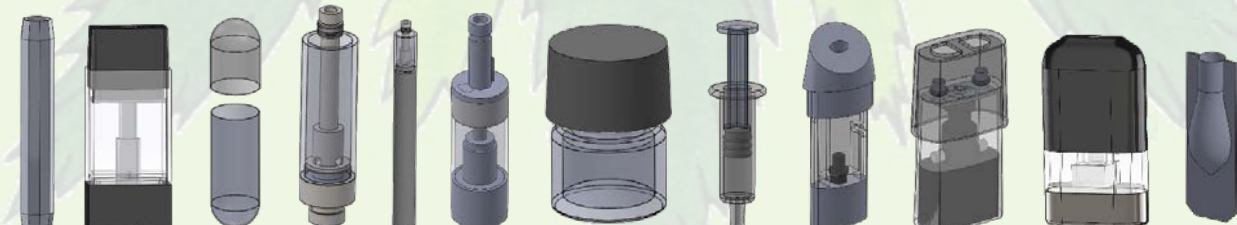
Patented and cETLus Certified for the USA and Canada (UL 61010-1, UL 61010-2, UL508, CSA C22.2, IEC 61010-1). Adheres to the rigorous Good Manufacturing Practice guidelines required for legal compliance.

American-Made

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

Portable

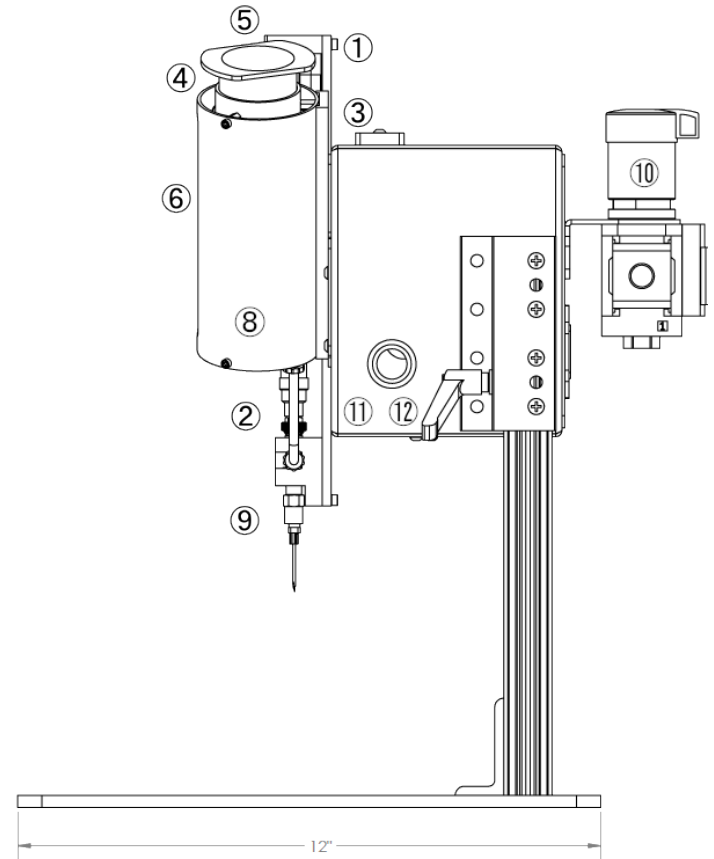
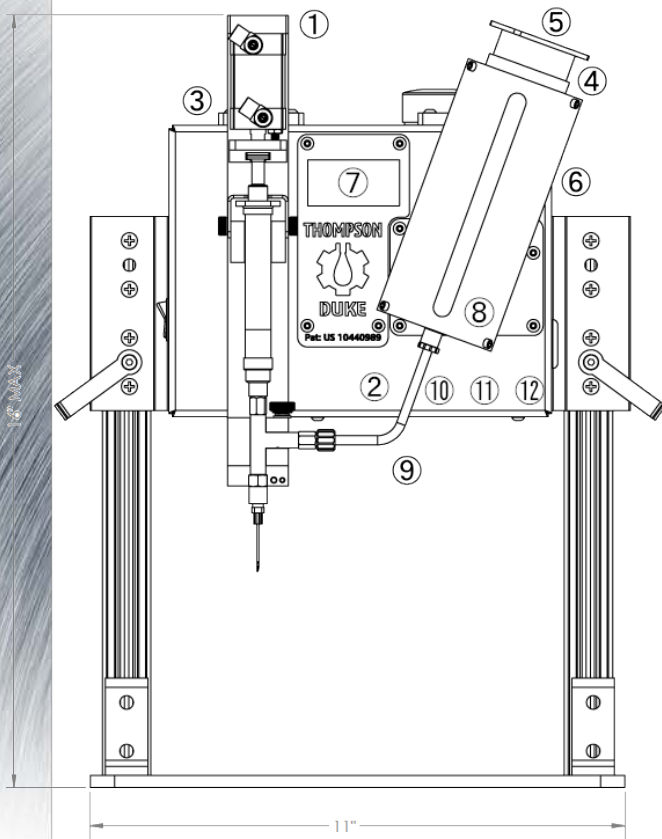
Lightweight and portable benchtop design for quick and easy setup, operation, and cleaning. Foot pedal operated dispense system. Requires 120V AC power and 40psi compressed air.



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- ① Quickly adjust the height and fill volume to accommodate any cartridge form factor
- ② Less than 1 ml loss during product changeover
- ③ Volumetric product delivery with adjustable flow rate
- ④ Switch between oils in less than one minute
- ⑤ Fill high viscosity oils and distillates with extreme accuracy, precision and repeatability
- ⑥ The 140ml glass oil reservoir can be filled during operation
- ⑦ Automatic digital temperature control
- ⑧ Heated Oil Delivery System and Product Reservoir adjustable up to 200F (93C)
- 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	16" MAX
Width	11"
Depth	12"
Weight	16 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	150W
Working Min Pneumatic Pressure	40 PSI*
Working Max Pneumatic Pressure	210 PSI*
Pneumatic Fitting Connection	Industrial 1/4" Male
Fill Rate	3000 - 5000/day
Number of Cartridges Per Tray	117
Max Cartridge Height	6.5"
Syringe Filler Connection Type	Luer Lock/Luer Slip
Product Loss	<1g

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

